

Annual Report Format

National Pollutant Discharge Elimination System Stormwater Program MS4 Annual Report Format



Check box if you are submitting an individual Annual Report with one or more cooperative program elements.

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

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

1. MS4(s) Information

NMR04A014 City of Albuquerque

Name of MS4

Shellie Eaton PE, Section Manager

Name of Contact Person (First)

(Last)

(Title)

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Telephone (including area code)

E-mail

PO Box 1293, City of Albuquerque, Dept of Municipal Development, Attn: Shellie Eaton

Mailing Address

Albuquerque

NM

87103

City

State

ZIP code

What size population does your MS4 (s) serve? 561000

NPDES number NMR04A014

What is the reporting period for this report? (mm/dd/yyyy) From 2022-07-01 to 2023-06-30

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	
Middle Rio Grande	E-coli	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Middle Rio Grande	Temperature	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Middle Rio Grande	Polychlorinated Biphenyls in Fis	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Middle Rio Grande	Dissolved Oxygen	<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	
Middle Rio Grande	Mercury	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
		<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
		<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
		<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input 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, household hazardous waste, trash and debris (including natural vegetation), sediments, automotive fluids and detergents. A "floatables study" and microbial source testing have been performed. Birds are primary source of E-coli. See Item 10.

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?

Our public education program targets pet waste, household hazardous waste, trash and debris (including natural vegetation), sediments, automotive fluids, detergents, fertilizers, pesticides.

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.

Survey showed that over 90% of individuals understood the importance of pollution prevention and valued improved stormwater quality. One household hazardous recycling event resulted in the participation of 585 residents. See details in Item 10.

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.

Once every 6 months for sites with no violations, weekly for follow-up inspections

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

If Yes, based on what criteria?

Sites that have violations of CGP are weekly

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:

- | | | | | |
|---|-----------------------|---|--------------|-------------------------------------|
| <input checked="" type="checkbox"/> Yes | Notice of violation | <input type="text" value="33"/> | No Authority | <input type="checkbox"/> |
| <input checked="" type="checkbox"/> Yes | Administrative fines | <input type="text" value="15"/> | No Authority | <input type="checkbox"/> |
| <input type="checkbox"/> Yes | Stop Work Orders | <input type="text"/> | No Authority | <input checked="" type="checkbox"/> |
| <input type="checkbox"/> Yes | Civil penalties | <input type="text"/> | No Authority | <input checked="" type="checkbox"/> |
| <input type="checkbox"/> Yes | Criminal actions | <input type="text"/> | No Authority | <input checked="" type="checkbox"/> |
| <input type="checkbox"/> Yes | Administrative orders | <input type="text"/> | No Authority | <input checked="" type="checkbox"/> |
| <input type="checkbox"/> Yes | Other | <input type="text" value="Second notice of violation"/> | | |

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?

SWPPP Violations (unavailable, out-of-date), BMPs (missing, maintenance/repair), Permit Coverage Posting (Missing)

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

Annually

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.

Complaints regarding spills are investigated immediately (see item 10). The 40 Dry Weather Screening outfalls are screened annually during the Dry Season--typically November through March (see item 10 for more information).

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.

<https://codelibrary.amlegal.com/codes/albuquerque/latest/overview> (cut and paste address into browser, code 14-5-2-1)

- 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="G.O. Bonds (NPDES, Water Quality Compliance)"/> | Amount \$ | <input type="text" value="0.65 Millio"/> | OR % | <input type="text"/> |
| Source: | <input type="text" value="General Funds (Arroyo and Street Maintenance)"/> | Amount \$ | <input type="text" value="3.3 Millio"/> | OR % | <input type="text"/> |
| Source: | <input type="text" value="Customer Billing (Household Hazardous Waste, Clea"/> | Amount \$ | <input type="text" value="3.5 Millio"/> | 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
AMAFCA, SCAFCA	Sampling and Monitoring Wet Weather	Memo of Understanding
AMAFCA, SCAFCA	Education and Outreach	Memo of Understanding
AMAFCA, SCAFCA	General Watershed Based Permit Implem	Memo of Understanding

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
311 Complaint System Responses to IDDE	2003	As reported; number varies per year	Varies
Student and General Public Education and Outreach	2006	Reporting annually; events held regularly	Varies
Dry Weather Screening	2003	Annually	40 locations
Good Housekeeping Inspections	2012	Quarterly to Monthly (if needed)	41 locations
City Employees Taking SWPPP or SPCC training	2020	Annually	554 employees

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.

<https://www.cabq.gov/municipaldevelopment/our-department/engineering/storm-water-management/municipal-separate-storm-sewer-system-ms4-permit>

10. **Additional Information**

Please attach any additional information on the performance of your MS4 program, including information required in Parts I.C, I.D, and III.B. If providing clarification to any of the questions above, 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.

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Name of Certifying Official, Title

Date (mm/dd/yyyy)

CITY OF ALBUQUERQUE
Annual Report for Fiscal Year 2023 (FY23)
July 1, 2022 to June 30, 2023
NPDES PERMIT NMR04A000, Effective Date December 22, 2014
eNOI Application Date June 21, 2015

ITEM 10 Additional Information

I.C. Special Conditions

1. Compliance with Water Quality Standards

d. Dissolved Oxygen (DO): The Arroyo Metropolitan Flood Control Authority (AMAFCA) has installed aeration devices in areas prone to stagnation and monitors the DO in these areas. Results collected by the Compliance Monitoring Cooperative (CMC) in the Rio Grande during the permit term and in this period of administrative continuance indicate that stormwater runoff does not contribute to low DO conditions.

e. Polychlorinated Biphenyls (PCBs): The City of Albuquerque (COA) began a sediment assessment study in FY16 which was completed in FY17 with a final letter report submitted in FY18 on July 10, 2017. Under this study, soil samples were taken from the 5 outfall locations monitored under the former Phase 1 permit NMS000101 as well as from up and down stream locations along the Rio Grande. These samples were analyzed for PCBs using the Aroclor method. Detection of PCBs at any of these locations resulted in further sampling and analysis of upstream areas. Twelve locations were ultimately screened for both PCBs and select metals in the Phase II Assessment based upon the results of the original study. The Synthetic Precipitation Leaching Procedure (SPLP) was used to analyze the following metals: aluminum, cadmium, chromium, lead, nickel, and zinc. No PCBs were found in any of the sediment samples at concentrations above the detection limits that ranged from 0.019 to 0.2 milligrams per kilogram (mg/kg) for the six aroclors analyzed. Both studies are available in the FY17 Annual Report under Attachment 1. The Phase II Assessment was also included in the FY18 Annual Report under Attachment 1. As discussed in the Progress Evaluation Report for the Sediment Pollutant Load Reduction Strategy, submitted last year in FY19 under Attachment 1, recent investigations did not identify any sources of PCBs in the Albuquerque metropolitan area that represent a continuing impact to the waters of the Rio Grande.

f. Temperature: AMAFCA continues to monitor temperature in the Rio Grande and at the North Diversion Channel through the deployment of sondes. Analysis of stormwater flows for temperature under the former Phase 1 permit indicates no contribution to temperature exceedances in the Middle Rio Grande and continues to indicate no contribution to any potential temperature exceedances. Results collected by the Compliance Monitoring Cooperative (CMC) during the permit term and in this period of

administrative continuance indicate that stormwater runoff does not contribute to low temperature conditions.

2. Discharges to Impaired Waters with and without approved TMDLs

b(i)(c)B: The Monitoring Cooperative successfully implemented the sampling plan approved in the summer of 2016 and over the course of the permit term, submitted the results of 7 storm events collected from 2 locations in the Rio Grande at the northern or upstream (Angostura Diversion Dam) and at the southern or downstream (Isleta Diversion Dam) boundaries of the watershed as required by the Watershed Based Permit (WBP). Samples from 4 events during the wet season and 3 events during the dry season were collected meeting the WBP sampling criteria of 7 samples with 3 events from the wet season and 2 events from the dry season. Results from the WBP required sampling events were provided in the FY17, FY18, and FY19 Annual reports as well as submitted electronically into EPA's NetDMR system.

The WBP expired on December 19, 2019 and has been administratively continued. A letter submitted to the EPA by the Middle Rio Grande Technical Advisory Group discusses its members' intent to continue operations under coverage of the administratively extended permit (see Attachment 1 of the FY20 Annual Report). Although no additional monitoring is required during the period of administrative continuance, agencies participating in the Monitoring Cooperative have continued to fund sampling efforts. These results are provided in Attachment 1 of each year's Annual Report.

Although an in-stream sample for both a wet season and a dry season storm event was submitted for analysis in FY23, only the wet season sample occurred during a qualifying storm event. Due to drought, no qualifying storm events occurred during the dry season in FY23. The results from the qualifying event during the wet season is provided in a memo: Wet Season Wet Weather Monitoring Results included as Attachment 1 in this year's FY23 report. Impairments to the Middle Rio Grande include E. coli bacteria, PCBs, Gross Alpha, Dissolved Oxygen and Temperature. In addition to the impairments, a list of other potential contaminants that were found in stormwater samples collected at select outfall locations in years prior to implementation of the WBP are also monitored. Of these constituents, only E. coli bacteria have an approved Total Maximum Daily Load (TMDL), a permit compliance item.

Two wet season samples taken at a location in the city and just downstream, at Alameda Bridge and South Isleta Diversion Dam, respectively, were below the water quality standards for Pueblo of Isleta primary contact. At the North Angostura Diversion Dam, the E. Coli impairment exceeded the standard. As a result, waste load allocations (WLA) for both north and south segments were acceptable. Exceedance of the WLA is noteworthy because the permit requires compliance with the TMDL rather than tribal and state water quality standards.

The COA continues its work to reduce E. coli loads through the pet waste education and outreach program. Dog waste had been estimated to contribute about 22% of the fecal coliform bacteria to the Middle Rio Grande watershed in a microbial source tracking (MST) study completed in 2004. A new MST that uses quantitative polymerase chain

reaction (qPCR) analysis and fecal indicator bacteria (FIB) by E. coli enumeration was scoped and commissioned by the COA in FY17 at cost of about \$250,000. The Quality Assurance Program Plan (QAPP) and sampling and analysis plan (SAP) were prepared in FY17 and sample collection and analysis were completed in FY19. The results of this study indicated the presence of moderate canine markers in channels, drains, and arroyos in the northeast and northwest parts of the watershed. Weak human markers were also indicated near some of the bridges as well as downstream of the sanitary reclamation facility. A copy of the finalized report was provided as Attachment 2 Completion Report for Microbial Source Tracking Program in the FY20 Annual Report.

Finally, the Middle Rio Grande Storm Water Quality Team (MRGSWQT), of which the COA is a member, funded additional years of dry weather E. coli data collection by college students as part of the Bosque Ecosystem Monitoring Program (BEMP) to better understand the baseline concentration of E.coli prior to storm events. The MRGSWQT also funded a master student's thesis that studied the variability of E. coli concentrations in a water column compared to the juxtaposed sediment. The results of this study, completed in FY19, indicate that E. coli are harbored in riverbed sediments, and that trends in sediment concentrations and corresponding loadings of E. coli in river water are irregular. The net direction of E. coli transfer (river water to sediment or sediment to water) is unknown.

b(i)(e)A,C,D,E: The COA continues to work with the Albuquerque Bernalillo County Water Utility Authority (WUA) to make improvements to its pump and lift stations. The WUA provides the COA and AMAFCA with copies of Discharge Monitoring Reports (DMRs) each month that report sanitary overflows, should any have occurred, and corresponding disinfection and clean-up efforts. During FY23, no illegal cross connections were reported.

b(i)(e)C: The Environmental Health Department continues to work with restaurants to reduce waste sources of bacteria from grease traps.

b(i)(e)D. The Storm Drainage Section continues to work with BioPark staff and perform quarterly Good Housekeeping inspections in an effort to ensure that bacteria from animal waste are not discharged to the MS4.

b(i)(e)E. The COA contributes funding to and participates as a founding member of the Storm Water Quality Team. The Team continues education and outreach efforts to educate residents on the effects of bacteria associated with improper pet waste disposal. The COA also works with both the Team and the WUA to educate the public with regards to proper oil and grease disposal and the potential for sanitary overflows due to clogged plumbing.

b(iii)(c): The COA continues to work with Bernalillo County (BernCo) and the NM Department of Transportation (NMDOT) on a joint sampling program in the Tijeras Arroyo. A total maximum daily load for nutrients was approved by the Water Quality Control Commission on September 12, 2017. As a result, the COA has begun to develop Best Management Practices (BMPs) to minimize impacts, if any, due to potential contributions from the urbanized area that makes up about 1% of the watershed.

In addition, during the late spring of FY18, the COA began work on a joint funding agreement (JFA) with the Ciudad Soil Water and Conservation District for the preparation

of a Watershed Based Plan (WBP) for the Upper Tijeras Arroyo. The JFA was signed in September 2018 and a request for proposals to prepare the WBP was issued in early 2019. The winning proposal was selected in February 2019 and was provided in the FY19 Annual Report under Attachment 5. A draft WBP was submitted to the New Mexico Environment Department Surface Water Quality Bureau for comment in July 2021 and was finalized in late December 2021.

The COA Open Space Division (OSD) created a Tijeras Arroyo Bio-Zone Resource Management Plan for a 3.7 mile stretch of the arroyo along Tijeras Creek in 2014 with a goal of conserving native vegetation and wildlife habitat and restoring vegetation and wildlife where feasible. The COA is actively working on purchasing property in the arroyo for this purpose. In addition, the OSD and partners (Carnuel Land Grand, Village of Tijeras, Bernalillo County Open Space) are preparing the Tijeras Creek Cultural Corridor Plan that will help the COA and its partners identify cultural and biological themes and assist in planning natural resource objectives.

3. Endangered Species Act (ESA) Requirements

a(i) AMAFCA has filled in the low-lying area between the discharge point of the North Diversion Channel (NDC) and the Rio Grande. This area was prone to stagnation and had the potential to develop low DO which could be flushed into the Rio Grande during storm events. AMAFCA continues to monitor this area for DO. The COA continues to install water quality features, such as trash racks and water quality manholes in efforts to collect and reduce trash and debris that contribute to the DO problem.

a(ii) AMAFCA has submitted a revised strategy for reduction of pollutants contributed by the embayment. As stated above, the embayment has been filled in. Annual Incident Take Reports are submitted by AMAFCA to the EPA and Fish and Wildlife Service (FWS).

b(i) See also item 1.e. The COA performed two Sediment Assessment Studies that included an analysis of PCBs and SPLP metals in soils. The first, finalized in October 2016 assessed sediments from 5 major outfall locations. The second, completed in July 2017, further examined potential upstream sources, if any. No PCBs were reported. Metals in general, with the exceptions of Aluminum (Al) and Zinc (Zn) were present at concentrations below detection limits. Detected Al concentrations ranged from 1.9 to 11 mg/L. Detected Zn concentrations ranged from 0.022 to 0.048 mg/L. The Phase II assessment was provided in the FY18 Annual Report under Attachment 1. The Phase I Assessment was included in the FY17 Annual Report under Attachment 1.

b(iv) A Progress Evaluation Report for the Sediment Pollutant Load Reduction Strategy was submitted in the FY19 Annual Report under Attachment 1. This report was prepared using the results of several previous studies submitted by the COA including data from the Sediment Assessments as well as the USGS Summary of Urban Stormwater Quality in Albuquerque, 2003-2012. Additional data, provided by Bernalillo County, Southern Sandoval County Arroyo Flood Control Authority (SSAFCA) and AMAFCA, was used to provide baseline sediment loading and relative potential for contamination by these sediments from urban activities for areas draining to the Rio Grande. The results of this study pinpointed areas of highest sediment discharge into the Rio Grande during the permit period, which included the North Diversion Channel and

Tijeras Arroyo. Although many BMPs, such as ponds, trash racks, and other water quality structures are already in place to reduce pollutants and sediment loads to these drainages, additional projects to improve water quality will continue to be implemented.

I.D. Stormwater Management Program (SWMP)

A copy of the updated SWMP adapted for compliance under NMR04A000 was included with the first full Annual Report on December 1, 2016. A subsequent update was prepared and submitted in FY19, year 4 of the permit cycle, per requirements (page 7 of Part III, Section B). A copy of the SWMP is available on the COA's DMD MS4 webpage: <http://www.cabq.gov/municipaldevelopment/documents/swmp-11-24-2019-submitted.pdf>. Copies are also available on compact disks that can be mailed to regulators, stakeholders, and others upon request.

5b. Post-Construction Stormwater Management in New Development and Redevelopment

(i) and 7.E (Annual Report Format) The COA's Planning Hydrology Department reviews plans for new development and redevelopment projects that address storm water runoff when one acre or more are disturbed. The allowable discharge is determined on a site-by-site basis and is determined by the COA's and AMAFCA's Drainage Management Plans that freely discharge in some locations and 0.1 cubic foot per second per acre (cfs/ac) in others based upon downstream capacity, not on historic flows.

(ii)(a) Twenty structural stormwater quality features have been installed since the WBP effective date of December 22, 2014. A listing, map, and description of all of the COA's water quality features have been included in this report as Attachment 3. No new features were installed in FY23. Information regarding the COA's ponds, dams, and cattle guards, which also serve to capture trash, debris, and sediment is available upon request.

(ii)(b) An ordinance increasing the volume of capture of the 80th and 90th percentile storm events and supplying provisions for inspection of post construction stormwater controls and enforcement to ensure compliance was introduced to City Council on January 3, 2018, passed on September 17, 2018, and sent to the Mayor for signature on September 25, 2018. Click on the following link for an electronic copy of the ordinance https://codelibrary.amlegal.com/codes/albuquerque/latest/albuquerque_nm/0-0-0-19774#JD_Chapter14Article5Part2.

(ii)(c) Prior to private development construction, Planning Hydrology staff review and approve BMPs designed to capture the 80th and 90th percentile storm events. Planning Hydrology building construction and stormwater quality inspection staff then oversee compliance with federal and local permits during the Construction Phase. Once constructed and permitted, information regarding these features is provided to the Storm Drainage Section for follow up during the Post-Construction phase. Subsequently, Storm Drainage Section staff investigate complaints related to these features and perform inspections of them every 5 years to ensure proper maintenance. This year 789 reviews of newly constructed "first flush" water quality features were conducted by Planning Hydrology personnel and 37 inspections of features installed within the past 5 years were conducted by Storm Drainage inspections. The 5-year Post Construction inspections are required by the COA's Drainage Ordinance discussed above in (ii)(b).

(vi) Approximately 194 acres of impervious area (IA) was added to the Albuquerque Metropolitan area in FY23. See Attachment 3, Impervious Area Added for a listing. Of this area, roughly 95% drains to first flush ponds and regional features which collect dirt, debris, and trash. Therefore, the directly connected impervious area (DCIA) added in FY23 was 194 acres minus 184 acres for a total of 10 acres. The methodology for estimating impervious area is based on land use codes and was sent to EPA in the 2013 Annual Report under the former Phase 1 permit NMS000101.

(vii) The COA's Master Drainage Plan provides a ranking of MS4-owned properties for flood control projects including retrofits. In addition to those identified in the Master Drainage Plan, the COA installs retrofits during construction activities on an as-needed basis or as funding becomes available.

5c. Pollution Prevention/Good Housekeeping for Municipal/Co-permittee Operations

(i)(a) Storm Drainage Inspection staff work with COA facility maintenance personnel to ensure training regarding permit compliance requirements, site-specific best management practices, and spill response procedures is provided. This training is conducted annually and provided to all staff via online presentations. In addition, inspections of maintenance facilities are performed quarterly at a minimum. Inspection staff conducted 117 Good Housekeeping inspections at COA facilities in FY23.

5d. Industrial and High Risk Runoff

(vi) In FY23, COA in-house inspectors performed phone inspections of industrial and high-risk private facilities requiring a Multi Sector General Permit (MSGP). 17 COA facilities that are permitted under the MSGP were inspected each quarter by storm drainage inspectors during this time. Additionally, monthly inspections were performed by COA solid waste inspectors at Cerro Colorado Landfill in FY23.

5e. Illicit Discharges and Improper Disposal

(i)e, ii The COA implemented a 311 complaint system to report illicit discharges in the mid-2000s. In FY23 there were 76 reports filed. See Attachment 4 for a map showing the locations of discharges and a listing of the types of discharges. Individual reports, including more detailed descriptions, photos, and resolution are available upon request.

(iv)A,C The Storm Drainage Section of the Department of Municipal Development (DMD) coordinated with the Solid Waste Department (SWD) to host one Household Hazardous Waste (HHW) recycling event in FY23. 309 residents participated in the event, held on November 12, 2022, during which approximately 58,753 pounds (lbs) of HHW and non-regulated solid waste were collected or just over 100 lbs/customer.

In addition, 11,882 participants disposed of 345,540 lbs of HHW throughout FY23 at the HHW collection center run by a contractor on behalf of the COA SWD. Of this amount, about two-thirds were recycled (228,000 lbs) and diverted from the landfill. An additional 20,466 lbs of materials were submitted by 2076 individuals for reuse at the Material Reuse Center.

(vii) In addition to using the 311 complaint system to pinpoint illicit discharges, the COA implemented an Illicit Discharge Detection and Elimination (IDDE) inspection program in

FY16 to mitigate the influence of discharges with lower risk but higher likelihood of occurrence. At the onset of the program, a local environmental consulting firm was hired to supply staff to perform these inspections. These inspection results were summarized in a report submitted in the FY19 Annual Report as Attachment 9. The COA hired an inspector supervisor and 3 inspectors as permanent employees in FY17 to assist in IDDE inspection and data tracking efforts. In late FY18, COA inspectors took over the IDDE inspection program. 76 IDDE complaints were investigated by COA engineers and inspectors in FY23. The COA will resume inspection of businesses that do not require a MSGP but have a high potential for illicit discharges in FY24.

5f. Control of Floatables Discharges

(iii). Street Sweeping crews picked up approximately 4,760 of dirt and debris from 35,910 miles of COA Right of Way in FY23. Dirt comprises about 65% of the material picked up by street sweepers with debris making up the remaining 35%. Of the debris, roughly 70% is vegetation. The remaining waste is comprised of plastics (bottles, bags, containers/lids) at 15%, paper and cardboard at 10%, and metal at 5%.

In addition, the COA's Arroyo Maintenance Section cleaned over 1,480 cubic yards of dirt, trash, debris, and vegetation from the storm drain system during FY23.

III.A. Monitoring and Assessment

1. Wet Weather Reporting: Permit requirements called for the submission of 7 samples by the end of the permit term. To cooperatively meet this requirement, the CMC submitted a sampling and analysis plan to EPA Region 6 for approval in June 2016. The CMC collected compliance samples through the rest of the permit term and in FY19 collected the one remaining sample required by the permit. The permit expired on December 19, 2019 and no further sample collection efforts are required. However, as a good faith effort, the COA and other CMC members have continued to fund sampling efforts during this period of administrative continuance. As discussed on page 2 under "Discharges to Impaired Waters", one in-stream sample was collected during the wet season in FY23. The results are provided in Attachment 1 of this report. Results indicate that E. coli waste load allocations were acceptable in both the northern and southern segments of the Middle Rio Grande during this wet season sampling event.

2. Dry Weather Reporting: Dry weather screening is performed at 40 locations (24 direct discharge points to the Rio Grande and an additional 16 locations to assess subwatersheds). See Attachment 5 for results.

3. Floatables Reporting: See item 5f above. In addition, an estimated 93 cubic yards of floatables were removed from the Barelvas Pump Station in FY23, the COA's selected floatables monitoring location. AMAFCA provides the information on floatables monitoring in the NDC.

4a. Industrial and High Risk Reporting: The COA's landfill is located outside of the MS4 and drains to the Rio Puerco rather than the Rio Grande. Nonetheless, the landfill is permitted under the federal MSGP.

4.b COA's transfer stations, solid waste station at Pino Yards, transit stations, warehouse and streets facilities, all located within the MS4, are classed as sector P. Because of sporadic localized events that often occur during evening, weekends and other non-work

hours, it is often difficult to obtain results. Quarterly visual inspections are completed and samples are taken when possible. Copies of inspections are available upon request. Per changes in the 2021 MSGP, which went into effect on March 1, 2021, monitoring for appropriate constituents took place at all permitted facilities in FY23 and were reported in the NetDMR system. Copies of the DMRs are available upon request.

ADDITIONAL INFORMATION TO SUPPLEMENT REPORT FORM

Item 3. Public Participation and Education

C. The COA Storm Drainage staff participated in and the Storm Drainage Section contributed \$15,000 in dues to the MRGSWQT in FY23 Outreach activities performed by the 10 agencies that comprise the MRGSWQT are provided in the Outcomes Report found on their webpage at <https://keeptheriogrand.org/>. Additional COA public participation and outreach activities that pertain to watershed enhancement and improvement of stormwater quality, such as tree plantings, trash clean up, or educational walking tours conducted in the Bosque or Sandia Foothills are described below.

The COA's Open Space Division (OSD) with Parks and Recreation recorded 697 volunteers assisting with the tree and pole planting program (about 350 willow whips and 640 cottonwoods) in the bosque.

There were a number of OSD clean-up events along the trails and Rio Grande in FY23. Outreach has occurred along the trails by staff encouraging visitors to keep the areas clean and free from trash. In addition, 452 volunteers removed 35 cubic yards (cy) of trash, 31 bags of recyclables, 110 gallons of glass, and 150 pounds of dog waste from 6 trailheads during spring clean-up and National Trails Day. During the 2023 River Clean-up along the banks of the Rio Grande, 102 participants filled a dump trailer and 4 pick-up trucks with trash and large items including tires, shopping carts, and a kiddie wading pool.

The SWD Keep Albuquerque Beautiful campaign sponsors annual clean up events in each of the four quadrants of the metropolitan area over the course of the year. Neighborhood groups and individuals collect trash and drop it off at select locations to be recorded. In FY23, 1,764 residents participated in the event and collected over 115 tons of trash, yardwaste and debris.

Environmental Health Department (EHD) staff volunteer to conduct hikes in the Bosque and Sandia Foothills to promote environmental awareness. During these hikes, the importance of stormwater quality and its effect on the habitat and its interconnection and value to the freshwater supply is discussed. On the Bosque Wild hike along the Rio Grande 128 residents participated, while on the Foothills Wild hike 44 residents joined in FY23.

Item 5. Illicit Discharges

C. There are 24 direct discharge points to the Rio Grande. Assessment of industrial and commercial development within sub-watersheds of the Albuquerque Metropolitan area has led to the selection of 16 additional dry weather screening locations in channels and arroyos. In total, 40 locations are monitored per MS4 permit requirements for the COA's

dry weather screening program. See Attachment 4, Dry Weather Screening for the results.

J. During the reporting period from July 1, 2022 through June 30, 2023, 76 improper discharge related complaints were reported to the 311 system and investigated by a City storm drainage engineer or inspector. See Attachment 5 for a map indicating location and type of discharge as well as additional details on the spill response. No illegal cross connections between the sanitary and storm sewer system were reported in FY23.

Item 8. Program Resources

D. If fully staffed, 26 full time employees that perform work related to the COA's MS4 include: 16 Arroyo/Storm Drainage Maintenance personnel, 8 Storm Drainage Design/NPDES personnel (consisting of a Section Manager, 3 engineers, 1 supervisor inspector, and 3 inspectors), and 1 Stormwater Quality Engineer and 1 Construction Inspector in the Planning Hydrology Department. Since FY20, the COA has been dealing with staff shortages and is attempting to fill vacancies. In FY23, 2 engineers and 2 stormwater inspectors joined Storm Drainage Design.

In addition to FTE's employed by the COA, the Storm Drainage Section budgets and spends approximately \$255,000 per year on consultants hired solely to perform NPDES permit compliance tasks. This is the equivalent of 2.5 FTE's. The Clean City Solid Waste program also employs 70 FTEs and uses 80 contractor positions to collect and dispose of trash that would otherwise make its way into the COA's MS4. Additionally, 20 employees in Street Maintenance perform street sweeping in support of dirt and debris removal efforts.

Finally, Parks and Open Space personnel conduct restoration projects, host citizen clean up days, and perform education and outreach related to stormwater quality. Also, Parks design project managers continue to work on the installation of green stormwater infrastructure in our COA parks, such as native plantings, permeable paving, and bioswales.

Attachment 1

Wet Weather Monitoring Results

Waste Load Allocation Results

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MEMORANDUM

DATE: December 29, 2022

TO: Patrick Chavez, PE, AMAFCA

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

SUBJECT: CMC Wet Season, Wet Weather Stormwater Monitoring Data Verification, Analysis Results Database, and Reporting Memo FY 2023 Wet Season (July 1, 2022 to October 31, 2022)

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 2023 wet season had results that exceeded applicable water quality standards (WQSs) for one or more samples: E. coli, polychlorinated biphenyls (PCBs), and gross alpha, adjusted. Table 1 summarizes the samples with exceedances and the applicable WQS that was exceeded. Additional details on the sampling results are provided in this memo.

**Table 1: Parameters Detected Above Applicable Water Quality Standards
CMC FY 2023 Wet Season Monitoring**

Sampling Date Location	Parameters, Applicable Water Quality Standard (WQS), and Results Exceeding Applicable WQS		
	E. coli	PCBs	Gross Alpha, Adjusted
	WQS: 88 MPN (CFU/100 mL) Pueblo of Isleta Primary Contact Ceremonial & Recreational	WQS: 0.00017 ug/L Pueblo of Isleta Human Health Criteria (based on fish consumption only)	WQS: 0.00017 ug/L Pueblo of Isleta Human Health Criteria (based on fish consumption only)
10/5/2022 Rio Grande North Angostura Diversion Dam Pre-Storm Sample – E. coli Only	135 MPN (CFU/100mL)	No Exceedance	No Exceedance

Table 1 (continued).

Sampling Date Location	Parameters, Applicable Water Quality Standard (WQS), and Results Exceeding Applicable WQS		
	E. coli	PCBs	Gross Alpha, Adjusted
	WQS: 88 MPN (CFU/100 mL) Pueblo of Isleta Primary Contact Ceremonial & Recreational	WQS: 0.00017 ug/L Pueblo of Isleta Human Health Criteria (based on fish consumption only)	WQS: 0.00017 ug/L Pueblo of Isleta Human Health Criteria (based on fish consumption only)
10/5/2022 Rio Grande at Alameda Bridge E. coli Only	No Exceedance	Not Tested	Not Tested
10/6/2022 Rio Grande South Isleta Diversion Dam	No Exceedance	0.0011 ug/L	22.98 pCi/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 Wet Weather Stormwater Quality Monitoring Program for Fiscal Year (FY) 2023 (July 1, 2022 to June 30, 2023). 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 the qualifying storm events. The stormwater compliance monitoring is conducted separately by Daniel B. Stephens & Associates, Inc. (DBS&A) and is not a part of this 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 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 Permit term. Until a new MS4 Permit is issued, there are no compliance monitoring requirements for the CMC in the Rio Grande. As identified in the 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 Permit required samples have been obtained by the CMC, as well as two (2) samples obtained in FY 2021, one

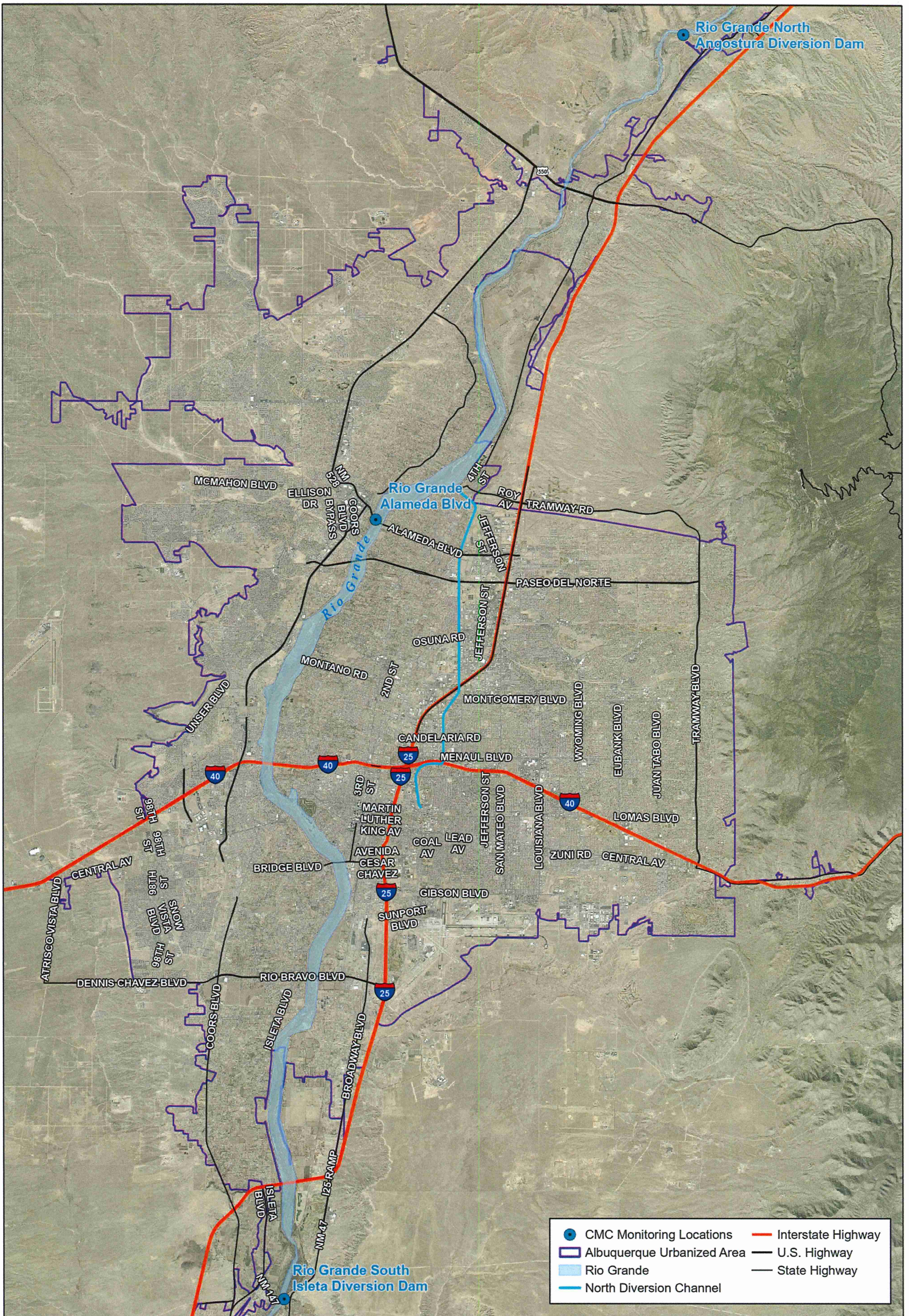
(1) sample obtained in FY 2022 wet season, and one (1) sample obtained in FY 2023 wet season during Administrative Continuance; all 11 CMC samples are summarized in Table 2 below.

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

No. of 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)

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 MS4 Permit compliance. This memo reports on the wet weather stormwater monitoring activity for the FY 2023 wet season (July 1, 2022 to October 31, 2022).

The CMC Excel database was updated with the FY 2023 wet season, wet weather monitoring data as results were received. The database contains sample location, sample date, analyses conducted, methods used, applicable surface WQSS, WSB MS4 Permit required Minimum Qualification Levels (MQL) and results.



Bohannon & Huston
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0 6,000 12,000 24,000 Feet
1 inch = 12,205 feet

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 plus Organic Nitrogen (Nitrogen, Ammonia and Nitrogen, Total)
- 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)
- Copper – Dissolved
- Lead – Dissolved
- Bis (2-ethylhexyl) phthalate
- Conductivity
- Temperature

Hardness (as CaCO₃) was added to the parameter list to allow dissolved metal results to be compared to the applicable WQSs. DO, pH, conductivity, and temperature are required by the WSB MS4 Permit 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.

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 2023 wet season, an E. coli sample was collected within the Rio Grande at Alameda Blvd. This is the location of the NMED defined stream segment divide (refer to Figure 6). This sample point was added after discussion with NMED in February 2017 regarding potential refinements to E. coli loading calculations.

Sample Collection:

As mentioned previously, sample collection for the CMC is being 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 2023 wet season sampling. AMAFCA provided BHI the completed laboratory analysis reports from Hall Environmental Analysis Laboratory (HEAL) 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 2023 wet season from July 2022 through October 2022. One (1) qualifying storm event was sampled and analyzed during the FY 2023 wet season.

- **October 5-6, 2022 – Qualifying Storm Event – Full Analysis of Samples.** Samples were collected at the Rio Grande North and Alameda Blvd locations beginning at 11:25 a.m. and 1:30 p.m., respectively. These samples were sent to the laboratory for an E. coli test. The CMC determined that the storm event beginning October 5 was a qualifying storm event. A Rio Grande South sample was collected beginning at 8:15 a.m. on October 6. The samples from the North (collected October 5) and South (collected October 6) locations were taken to HEAL for full parameter testing.

Stormwater Quality Database for CMC

As stated previously, there was one (1) qualifying storm event during the FY 2023 wet season, wet weather monitoring sampled by the CMC, which occurred October 5-6, 2022. 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 HEAL 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 2023 wet season, wet weather monitoring data. The database contains sample locations, sample date, analyses conducted, methods used, applicable surface water quality standards (WQS), 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 HEAL 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 WQS. 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 2023 wet season data met the appropriate QA/QC requirements. If there were any data that did not meet the appropriate QA/QC requirements, it would have been assigned an appropriate laboratory qualifier or validation codes. A summary of validation codes is provided in the QAPP.

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 2023 Wet Season Assessment and Evaluation of Monitoring Results

The EPA approved WSB MS4 CMC Monitoring Plan, May 5, 2016, has 33 parameters to monitor at the Rio Grande North and Rio Grande South monitoring locations. Of these 33 parameters, 19 parameters were not detected in the FY 2023 wet season samples at either the Rio Grande North or South locations. Refer to Table 3 for a list of the parameters that were not detected.

**Table 3: Parameters Not Detected
 CMC FY 2023 Wet Season Monitoring**

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

For the remaining 14 parameters on the CMC monitoring parameter list, only three (3) parameters (E. coli, PCBs, and gross alpha, adjusted) 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 2023 wet season. These exceedances are summarized on Table 1, pages 1-2, and discussed below in further detail.

E. coli:

The E. coli results collected during the FY 2023 wet season are summarized in Table 4.

**Table 4: E. coli Results
CMC FY 2023 Wet Season Monitoring**

Date – Rio Grande Location	E. coli Results MPN (CFU/100 mL)
October 5, 2022 – North	135
October 5, 2022 – Alameda	52
October 6, 2022 – South	<1

At the Rio Grande North location (upstream of the Albuquerque UA, at the Angostura Diversion Dam), one (1) sample was collected and tested for E. coli. This E. coli result exceeded Pueblo of Isleta and Pueblo of Sandia's primary contact-single sample WQS of 88 CFU/100 mL. This October 5 sample was below NMAC's primary contact-single sample WQS of 410 CFU/100 mL. At the Rio Grande South location (downstream of the MS4 UA), one (1) sample was collected and tested for E. coli. This sample did not exceed any WQSs. This E. coli lab result at the Rio Grande South location is the lowest value that the CMC has seen reported in the Rio Grande at this location. AMAFCA called HEAL to discuss this result and verify that the reported result was correct.

In addition, the CMC collected one (1) E. coli sample in the Rio Grande at Alameda Blvd. during the FY 2023 wet season. The Alameda Blvd. analysis point was based on discussions with NMED in February 2017 on collecting actual E. coli data at the stream segment divide verses using an area percentage (as defined in the 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).

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 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 October 2022.

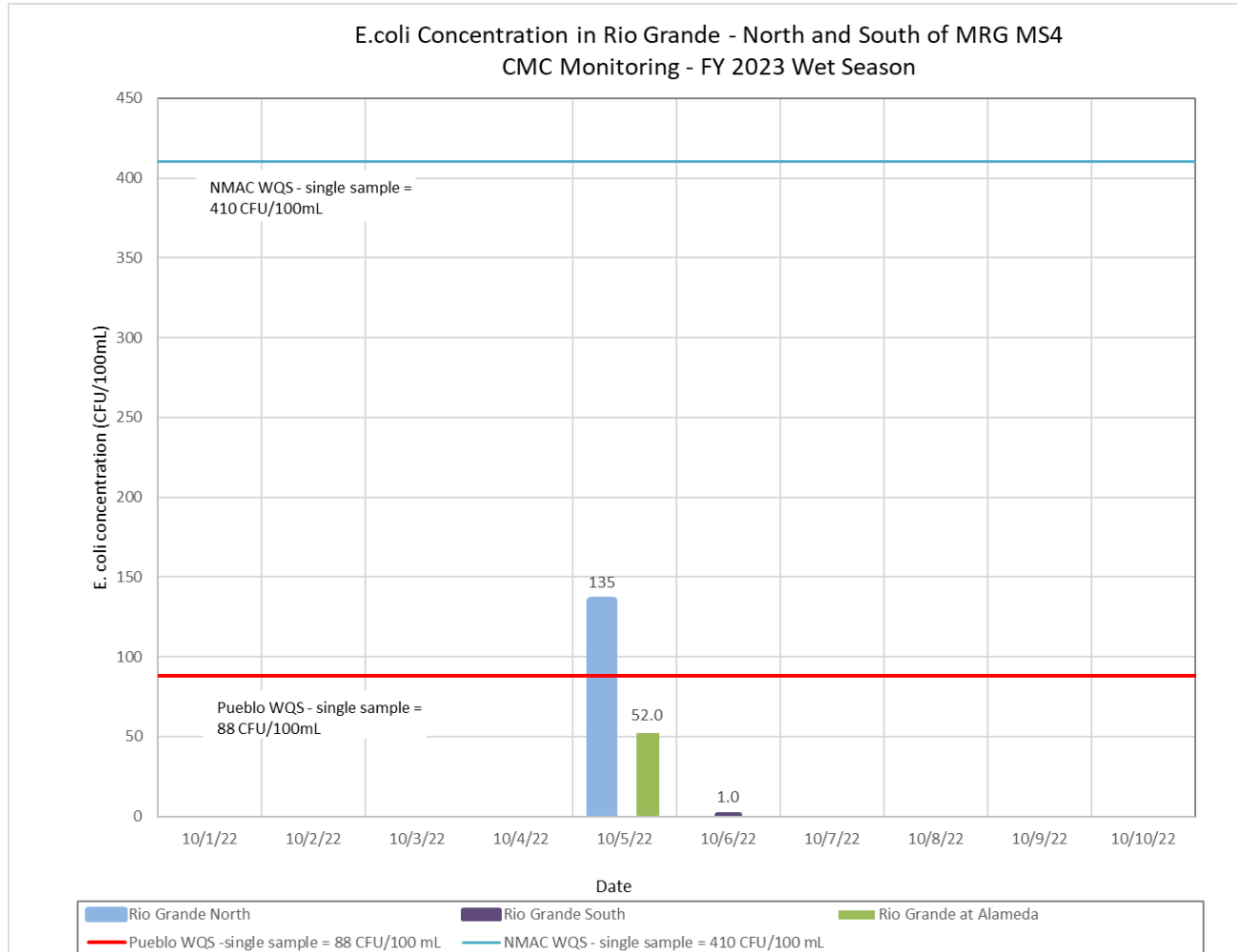


Figure 2: E. coli Results in Rio Grande CMC Monitoring – FY 2023 Wet Season

PCBs:

There are multiple surface WQS values listed for PCBs in both the Pueblo of Isleta and the State of New Mexico standards for the various designated uses. The PCB results for samples collected from the Rio Grande during the FY 2023 wet season stormwater event were below the minimum quantification level (MQL) established in EPA standards for the MS4 NPDES Permit (Appendix F, 0.2 ug/L for PCBs). The PCB results for the Rio Grande North sample were also well below the New Mexico Surface WQSs and Pueblo of Isleta Surface WQSs for designated uses including drinking water (0.5 ug/L) and wildlife habitat, acute aquatic life, and chronic aquatic life (0.014 ug/L). However, the CMC sample from the Rio Grande South location was 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 2022 are shown in Figure 3 relative to several of the WQSs for PCBs.

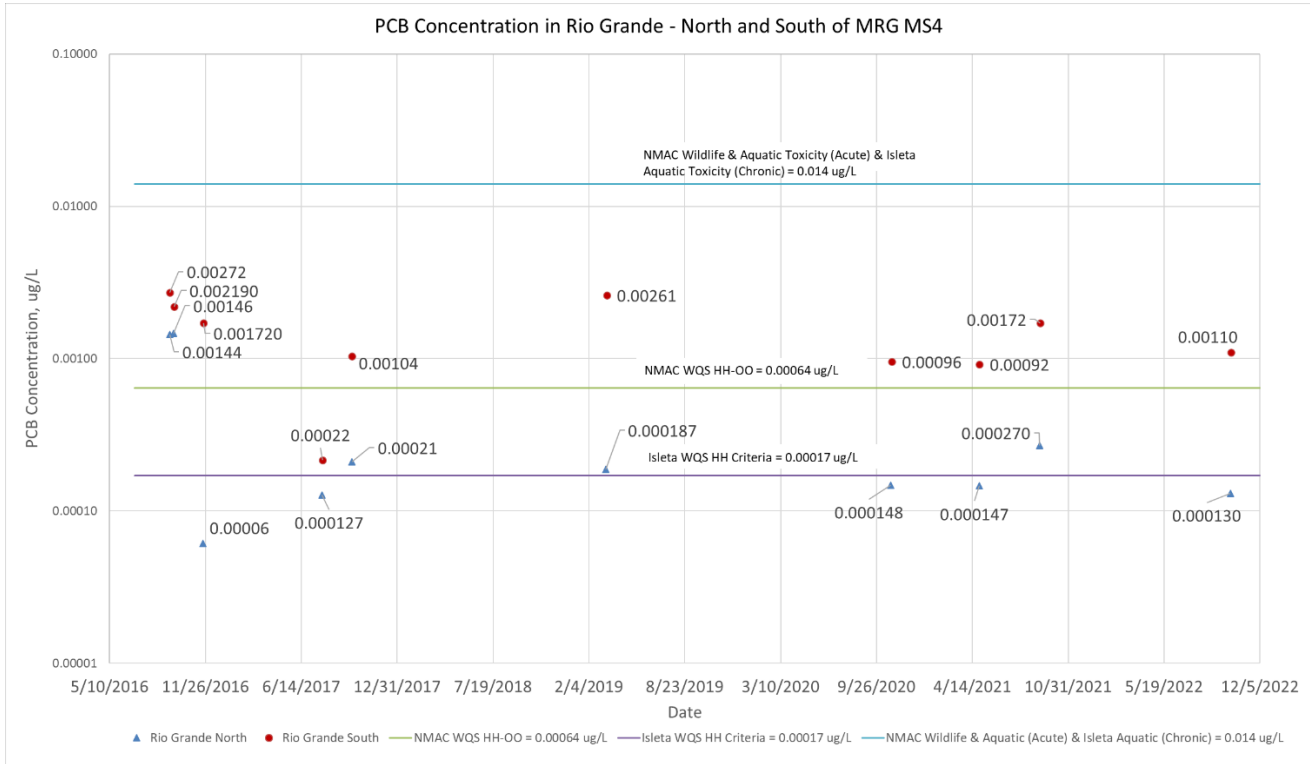


Figure 3: PCB Monitoring Results in Rio Grande CMC Monitoring – 2016 - 2022

Gross Alpha, Adjusted:

The October 6, 2022, Rio Grande South sample result exceeded the New Mexico and Pueblo of Isleta WQS 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, and for New Mexico it is based on Domestic Water Supply and Livestock Watering designated uses. In surface water, the gross alpha, adjusted analyses may be affected by a high content of suspended load, particularly where sediment sources may be derived from granitic terrain; gross alpha, adjusted results may reflect the radioactivity of the natural elements in the sediment more than the surface water.

The October 6, 2022, Rio Grande South gross alpha, adjusted analytical results are detailed below; the units are in pCi/L:

- Rio Grande South CMC sample result for gross alpha, adjusted = 22.98 pCi/L
- Gross alpha, adjusted WQS at the Rio Grande South location = 15 pCi/L (NMAC 20.6.4 Water Quality Criterion for livestock watering and domestic water supply designated uses and general standard for Pueblo of Isleta)

This is the third time since 2016 that the analytical results from a CMC sample have had an exceedance in gross alpha, adjusted. The prior exceedance was reported for the September 2, 2021, 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 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 and temperature. These parameters did not have any surface water quality exceedances during the FY 2023 wet season sampling.

Dissolved oxygen is a water quality concern in the Rio Grande if it is below 5 mg/L. None of the samples taken from the Rio Grande during the FY 2023 wet season monitoring had dissolved oxygen values below 5 mg/L. This provides the MS4s with specific monitoring data showing that stormwater did not cause or contribute to exceedances of applicable dissolved oxygen water quality standards in the Rio Grande from any of the CMC samples from 2016 to 2022. Refer to Figure 4 for CMC dissolved oxygen results and comparison to applicable WQSs.

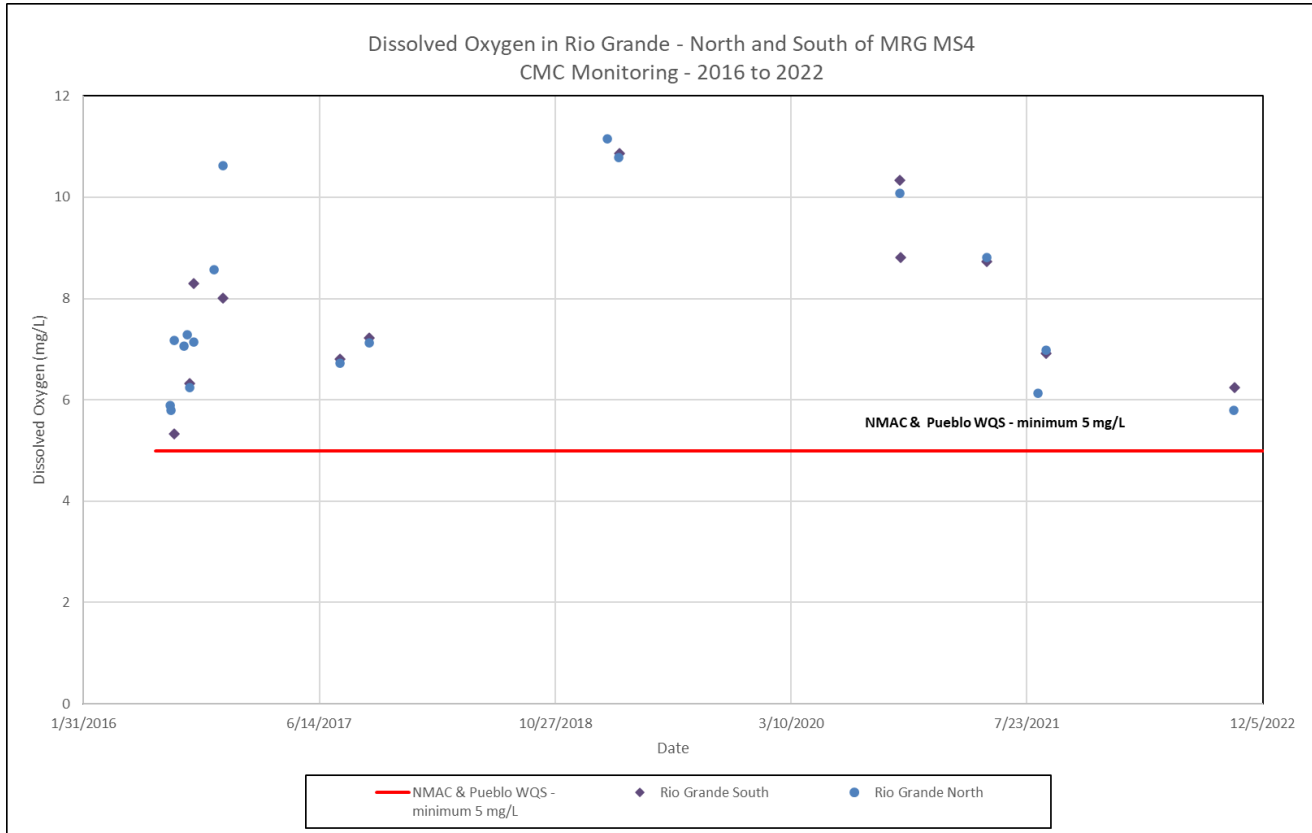


Figure 4: Dissolved Oxygen Results in the Rio Grande CMC Monitoring – 2016 - 2022

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 2023 wet season monitoring also supports this conclusion. All the temperature field readings taken in the Rio Grande during the CMC FY 2023 wet season were below 32.2°C (90°F), which is the WQS for the State of New Mexico and for the Isleta and Sandia Pueblos. Refer to Figure 5 for temperature results and comparison to applicable WQSs for all CMC samples taken upstream and downstream of the MRG MS4 area from 2016 to 2022.

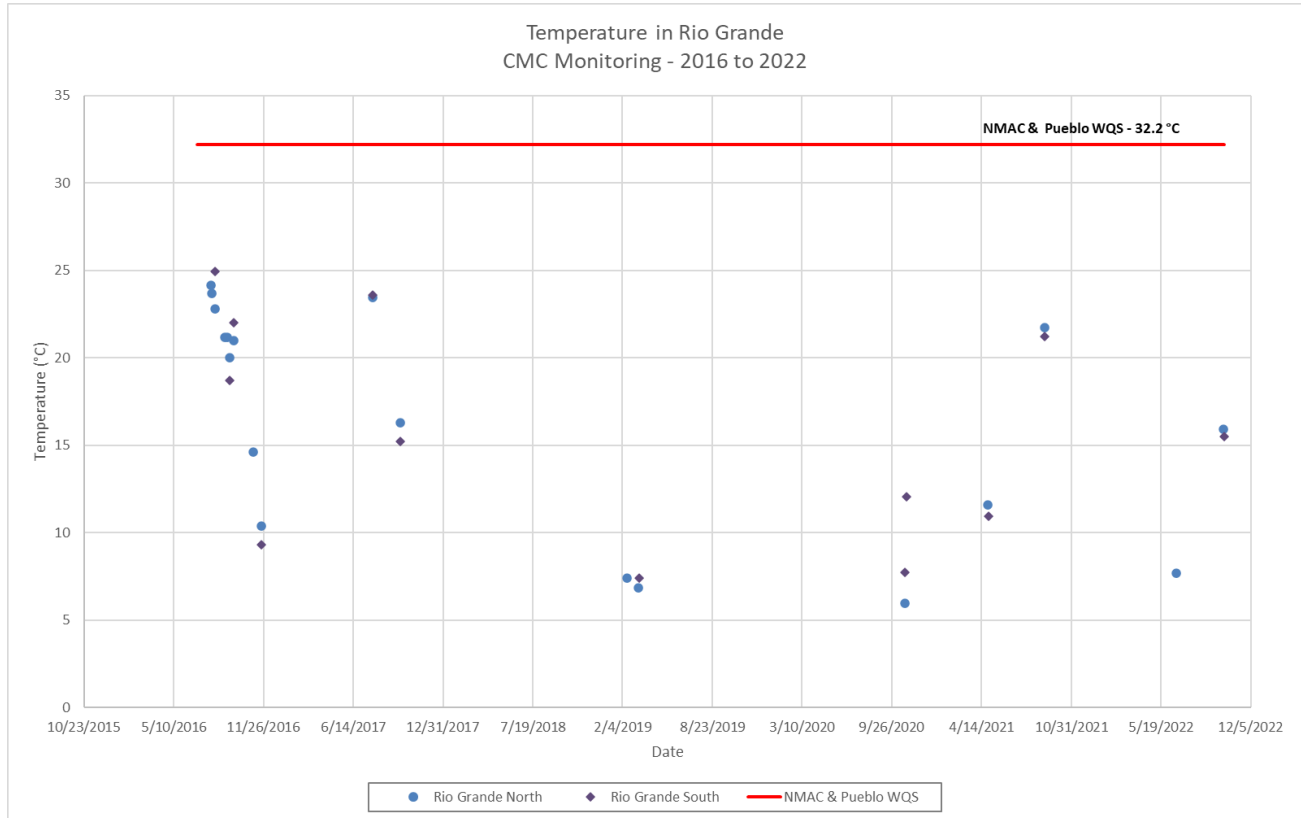


Figure 5: Temperature Monitoring Results in the Rio Grande CMC Monitoring – 2016 - 2022

CMC FY 2023 Wet Season E. coli Loading Calculations and Waste Load Allocation (WLA)

Related to assessing the stormwater results, the E. coli loading was calculated and compared to the aggregate 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 WQSs. The total TMDL for a stream segment consists of the multiple WLA 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). NMED currently has four (4) stream segments instead of the two (2) WSB MS4 stream segments. These various stream segment designations are shown in Figure 6, page 16.

The *NMED 303(d)/305(b) 2020-2022 Integrated Report* tables show the most recent assessment results, and currently all segments of the Rio Grande (Isleta to Angostura Diversion) are impaired for E. coli and have a TMDL for E. coli.

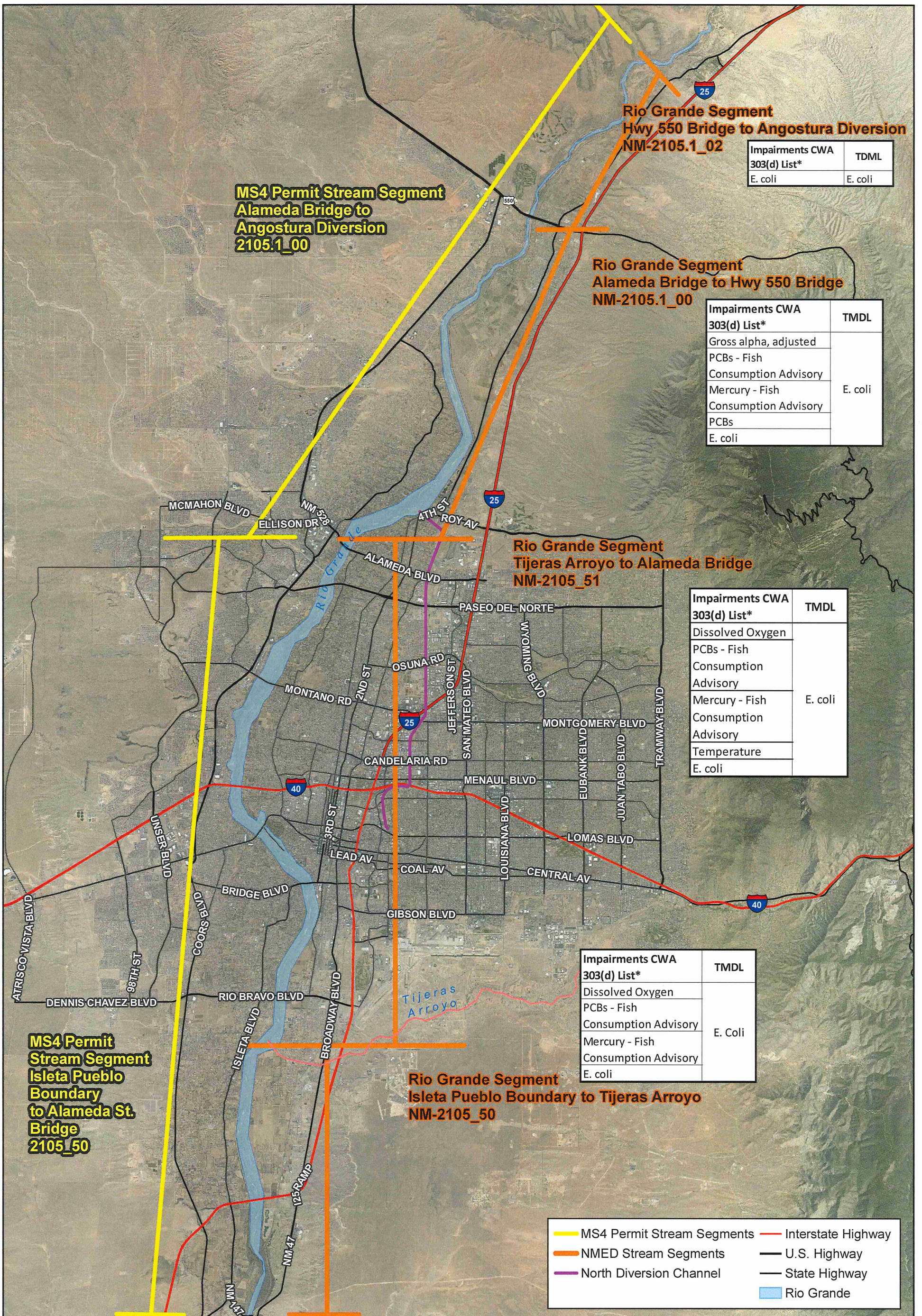
The E. coli daily loading associated with the CMC group and comparison to the NMED WLA was completed for the one (1) qualifying wet season storm event – October 5-6, 2022. For this event, the CMC obtained an E. coli sample in the Rio Grande at Alameda and used this to calculate the E. coli loading for the two (2) river segments. Refer to Table 5 for a summary of the WLA comparison results. A spreadsheet is attached to this memo that provides the detailed WLA calculations.

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

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
October 5-6, 2022 – Rio Grande North E. coli Concentration 10/5/2022 = 135 MPN (CFU/100 mL) Rio Grande at Alameda E. coli Concentration 10/5/2022 = 52 MPN (CFU/100 mL) Rio Grande South E. coli Concentration 10/6/2022 = <1 MPN (CFU/100 mL)					
Alameda to Angostura	146	Dry	0.00E+00	3.24E+10	WLA Acceptable
Isleta to Alameda	165	Dry	0.00E+00	1.57E+09	WLA Acceptable

As Table 5 illustrates, the calculated E. coli loading for the October 5-6, 2022 storm event for the northern segment (Alameda to Angostura) and the southern segment (Isleta to Alameda) of the Rio Grande was below 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.



Bohannon & Huston
www.bhinc.com 800.877.5332



0 12,000 24,000 Feet
1 in = 12,500 ft

CMC Monitoring

Figure 6
Rio Grande Impairments & TMDL Information

* Final 2022-2024 State of NM Clean Water Act, Section 303(d)/Section 305(b) Integrated Report

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 WQs 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 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 2023 wet season.

Conclusions and Planning

During the FY 2023 wet season (July 1 to October 31, 2022), one (1) qualifying stormwater sample was obtained by the CMC. Lab results were received, and this data has been entered into the CMC Excel database. The lab data entered is marked in the spreadsheet as "V" (verified), and data V&V has been completed (refer to Attachment 2).

To summarize, monitoring results and E. coli loading calculations for the FY 2023 wet season show that:

- 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 MS4 Permit's expiration date. Until a new MS4 Permit is issued, there are no compliance monitoring requirements for the CMC in the Rio Grande. All MS4 Permit required samples have been obtained by the CMC, as well several samples collected during Administrative Continuance, including the one (1) sample obtained in the FY 2023 wet season, as reported in this memo.

- For the FY 2023 wet season, 19 of the 33 parameters tested were not detected in any of the Rio Grande North or South samples.
- Several key parameters all met the applicable WQSs, as they have for all the CMC samples to date:
 - All dissolved oxygen results were greater than 5 mg/L (minimum WQS).
 - All temperature results were less than 32.2°C (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 sample from October 6, 2022, was above the Pueblo of Isleta and New Mexico human health criteria (based on fish consumption only) WQSs for surface waters.
- The October 6, 2022, Rio Grande South sample result exceeded the New Mexico Surface WQSs and Pueblo of Isleta Surface WQSs (15 pCi/L) for gross alpha, adjusted. This is the third time since 2016 that the analytical results from a CMC sample have had an exceedance in gross alpha, adjusted. The CMC will continue to closely evaluate this parameter in future samples.
- The calculated E. coli loading for the October 5-6, 2022 storm event for the northern segment (Alameda to Angostura) and the southern segment (Isleta to Alameda) of the Rio Grande was below the WLA for the CMC MS4s. This analysis used the mid-point E. coli sample result obtained in the Rio Grande at Alameda.
 - The E. coli lab result for the Rio Grande South location is the lowest value that the CMC has seen reported in the Rio Grande at this location. AMAFCA called HEAL to discuss this result and verify that the reported result was correct.
 - Sources for the E. coli loading measured in the river are not solely attributable to the CMC MS4 members; the E. coli loading calculations serve to provide a reasonable estimate of the CMC contribution to the measured E. coli loading.

For planning purposes for the CMC members, the FY 2023 dry season CMC monitoring, if a sample is obtained, will be summarized by BHI for the CMC in a dry season memo.

SG/ab

Attachments:

Attachment 1 – DBS&A Field Data & Hall Environmental Analysis Laboratory Reports with BHI Notes for FY 2023 Wet Season

Attachment 2 – FY 2023 Wet Season Completed Data Verification and Validation (V&V) Forms

Spreadsheets Included Separately:

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

Excel CMC Spreadsheet with FY 2023 Wet Season Stormwater Quality Monitoring Results

ATTACHMENT 1

**DBS&A FIELD DATA & HALL ENVIRONMENTAL ANALYSIS
LABORATORY REPORTS WITH BHI NOTES FOR
FY 2023 WET SEASON**

CMC Water Quality Results Database
 Date: December 29, 2022
 Summary of Lab Results for CMC samples for FY 2023 Wet Season

Parameter	Permit Required Units	Analysis Method	Rio Grande - North				Rio Grande - South - At Isleta Dam				Rio Grande - Alameda Bridge (E. coli Only Samples)			
			Provisional or Verified	2023 CMC SAMPLE - EXTRA NORTH Collection Date 10/5/2022 Wet Season Sample	Qualifier	Check compared to Water Quality Criterion	Provisional or Verified	2023 CMC SAMPLE - EXTRA SOUTH Collection Date 10/6/2022 Wet Season Sample	Qualifier	Check compared to Water Quality Criterion	Provisional or Verified	2023 CMC SAMPLE - EXTRA ALAMEDA Collection Date 10/5/22 Wet Season Sample	Qualifier	Check compared to Water Quality Criterion
Total Suspended Solids (TSS)	mg/L	SM 2540D	V	29		--	V	890	D	--				
Total Dissolved Solids (TDS)	mg/L	SM2540C MOD	V	195		OK	V	265	D	OK				
Chemical Oxygen Demand (COD)	mg/L	EPA 410.4	V	22.3		--	V	ND		--				
Biochemical Oxygen Demand (BOD ₅)	mg/L	SM5210B	--	Not provided		--	--	Not provided		--				
Dissolved Oxygen (DO)	mg/L	FIELD	V	5.79		OK	V	6.24		OK	V	5.58		OK
Oil and Grease (N-Hexane Extractable Material)	mg/L	EPA 1664A	V	ND		OK	V	ND		OK				
E. coli	MPN (CFU/100 mL)	SM 9223B Fecal Indicator	V	135		>WQ Standard	V	<1		OK	V	52		OK
pH	S.U.	FIELD	V	8.24	H	OK	V	8.02	H	OK	V	7.6		OK
Total Kjeldahl Nitrogen (TKN)	mg/L	SM 4500	V	ND		--	V	1.7		--				
Nitrate plus Nitrite	mg/L	EPA 300.0: Anions	V	ND		OK	V	ND		OK				
Dissolved Phosphorous	mg/L	EPA 365.1, filtered sample	V	ND	D	--	V	ND	D	--				
Ammonia (mg/L as N)	mg/L	SM 4500 NH3	V	ND		OK	V	ND		OK				
Total Nitrogen	mg/L	--	V	ND		OK	V	1.70		OK				
Total Phosphorous	mg/L	EPA 365.1	V	ND	D	--	V	0.97	D	--				
PCBS - 0.000064 (Method 1668A - sum of all congeners)	µg/L	EPA 1668	V	0.00013	J	OK	V	0.0011	J	>WQ Standard				
Gross Alpha, Adjusted	pCi/L	EPA 900.0	V	0.895 ± NA		OK	V	22.98 ± NA		>WQ Standard				
Tetrahydrofuran	µg/L	EPA 8260 C	V	ND		--	V	ND		--				
Benzo[a]pyrene	µg/L	EPA 625	V	ND		OK	V	ND		OK				
Benzo[b]fluoranthene (other name: 3,4-Benzofluoranthene)	µg/L	EPA 625	V	ND		OK	V	ND		OK				
Benzo[k]fluoranthene	µg/L	EPA 625	V	ND		OK	V	ND		OK				
Chrysene	µg/L	EPA 625	V	ND		OK	V	ND		OK				
Indeno[1,2,3-cd]Pyrene	µg/L	EPA 625	V	ND		OK	V	ND		OK				
Dieldrin	µg/L	EPA 608	V	ND		OK	V	ND		OK				
Pentachlorophenol	µg/L	EPA 625	V	ND		OK	V	ND		OK				
Benzidine	µg/L	EPA 625	V	ND		OK	V	ND		OK				
Benzo[a]anthracene	µg/L	EPA 625	V	ND		OK	V	ND		OK				
Dibenzofuran	µg/L	EPA 625	V	ND		--	V	ND		--				
Dibenzo[a,h]anthracene	µg/L	EPA 625	V	ND		OK	V	ND		OK				
Chromium VI (Hexavalent)	µg/L	3500Cr C-2011	V	ND		OK	V	ND		OK				
Dissolved Copper	µg/L	EPA 200.8	V	1.1		OK	V	ND		OK				
Dissolved Lead	µg/L	EPA 200.8	V	ND		OK	V	ND		OK				
Bis (2-ethylhexyl) Phthalate (other names: Di(2-ethylhexyl)phthalate, DEHP) - 2.2	µg/L	EPA 625	V	ND		OK	V	ND		OK				
Conductivity	µmhos/cm	FIELD	V	290		--	V	395		--	V	275		--
Temperature	°C	FIELD	V	15.9		OK	V	15.5		OK	V	18		OK
Hardness (as CaCO ₃)	mg/L	SM2340B	V	120		--	V	280		--				
Mercury	µg/l	--												

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.
 (I) 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.
 mean monthly flow of 100 cfs, monthly average concentration for TDS 1,500 mg/l or less, sulfate 500 mg/L or less, and chloride 250 mg/L or less.
 3. Aquatic life criteria for metals are expressed as a function of total hardness (mg/L as CaCO₃)
 4. According to NMAC 20.6.4, E. coli bacteria for Primary Contact - monthly geometric mean
 5. 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.
 6. HEAL lab method: SM 9223B Fecal Indicator. Note - lab method for units of MPN/100 ml, lab report uses units CFU/100 ml, for this analysis assuming two units are equivalent

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

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

Samplers Chad Johansen
Sam Fire

CMC Sampling Data Sheet

Site Identification: Rio Grande North j Angostura Diversion Dam

Notes: _____

Full Suite Sample Date and Time:	<u>10/5/22</u>	<u>1215</u>
Full Sample Identification:	<u>RG North- 2022 1005</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>Diversion Structure</u>		
Full Suite Sample Volume:	<u>8gal</u>	Collection Time Start:	<u>1125</u> End: <u>1210</u>

Field Parameters for each 2-gallon grab

Grab	Time	Temp (°C)	pH	Specific Conductance (µS/cm)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)
1	1125	16.4	8.56	334	6.56	66.6
2	1140	16.8	7.25	297	5.90	60.7
3	1155	16.8	8.01	295	3.42	34.6
4	1210	14.9	8.27	291	8.91	88.2
Composite	1215	15.9	8.24	290	5.79	59.6

Turbid Water Color 1AN Solids Oil/Sheen Foam Odor _____

Analytical - see 2021 COC table

Site Photo Sample Photo

Samplers Chad Johannes
Sam Fire

CMC Sampling Data Sheet

Site Identification: Rio Grande @ Isleta

Notes:

Full Suite Sample Date and Time:	<u>10/6/22 0905</u>
Full Sample Identification:	<u>RG South - 2022 1006</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>Isleta diversion structure</u>		
Full Suite Sample Volume:	<u>8 gal</u>	Collection Time Start:	<u>0815</u> End: <u>0900</u>

Field Parameters for each 2-gallon grab

Grab	Time	Temp (°C)	pH	Specific Conductance (µS/cm)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)
1	0815	15.9	8.51	423	5.43	54.7
2	0830	15.8	7.27	399	5.95	59.7
3	0845	15.6	7.97	394	6.08	60.7
4	0900	15.7	8.01	396	6.21	62.0
Composite	0905	15.5	8.02	395	6.24	62.1

Turbid Water Color blown Solids Oil/Sheen Foam Odor

Analytical - see 2021 COC table

Site Photo Sample Photo

Samplers Chad Johannesen
Sam F. Le

CMC Sampling Data Sheet

Site Identification: Rio Grande at Alameda

Notes:

Full Suite Sample Date and Time:	<u>10/5/22 1340</u>
Full Sample Identification:	<u>R6 Alameda - 20221005</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>Alameda Bridge</u>		
Full Suite Sample Volume:	<u>1 gal</u>	Collection Time Start:	<u>1330</u> End: <u>1340</u>

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>1340</u>	<u>18.0</u>	<u>7.60</u>	<u>275</u>	<u>5.58</u>	<u>57.9</u>

Turbid Water
 Color 3100
 Solids
 Oil/Sheen
 Foam
 Odor _____

Analytical - see 2021 COC table

Site Photo
 Sample Photo



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

October 10, 2022

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

10/5/2022: Alameda and Rio Grande North E.coli only samples

RE: CMC Wet 22

OrderNo.: 2210242

Dear Patrick Chavez:

Hall Environmental Analysis Laboratory received 2 sample(s) on 10/5/2022 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 don't hesitate to contact HEAL for any additional information or clarifications.

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

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written over a white background.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Field Parameters:
Rio Grande North
Temp = 15.9°C
pH = 8.24
Conductivity = 290 uS/cm
Dissolved Oxygen = 5.79 mg/L

Field Parameters:
Rio Grande at Alameda
Temp = 18.0°C
pH = 7.60
Conductivity = 275 uS/cm
Dissolved Oxygen = 5.58 mg/L

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2210242

Date Reported: 10/10/2022

CLIENT: AMAFCA

Client Sample ID: **RG North-20221005**

Project: CMC Wet 22

Collection Date: 10/5/2022 12:05:00 PM

Lab ID: 2210242-001

Matrix: AQUEOUS

Received Date: 10/5/2022 2:20:00 PM

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed	Batch ID
SM 9223B FECAL INDICATOR: E. COLI MPN							Analyst: dms	
E. Coli	135	10.00	10.00		MPN/100	10	10/7/2022 5:05:00 PM	70632

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	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 range due to dilution or matrix interference		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2210242

Date Reported: 10/10/2022

CLIENT: AMAFCA

Client Sample ID: **RG Alameda-20221005**

Project: CMC Wet 22

Collection Date: 10/5/2022 1:40:00 PM

Lab ID: 2210242-002

Matrix: AQUEOUS

Received Date: 10/5/2022 2:20:00 PM

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed	Batch ID
SM 9223B FECAL INDICATOR: E. COLI MPN							Analyst: dms	
E. Coli	52	10.00	10.00		MPN/100	10	10/7/2022 5:05:00 PM	70632

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	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 range due to dilution or matrix interference		

Sample Log-In Check List

Client Name: **AMAFCA**

Work Order Number: **2210242**

RcptNo: 1

Received By: **Juan Rojas** 10/5/2022 2:20:00 PM *Juan Rojas*

Completed By: **Cheyenne Cason** 10/5/2022 2:45:18 PM *Cason*

Reviewed By: *[Signature]* 10-5-22 @ 15:19

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: *KPG 10-05-22*

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	15.1	Good	Not Present			



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

November 23, 2022

Patrick Chavez

AMAFCA

2600 Prospect Ave NE

Albuquerque, NM 87107

TEL: (505) 884-2215

FAX:

10/5/2022: Rio Grande North
and 10/6/2022: Rio Grande
South

RE: CMC Wet FY23

OrderNo.: 2210315

Dear Patrick Chavez:

Hall Environmental Analysis Laboratory received 3 sample(s) on 10/6/2022 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 don't hesitate to contact HEAL for any additional information or clarifications.

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

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written over a white background.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Field Parameters:
- Rio Grande North
Temp = 15.9°C
pH = 8.24
Conductivity = 290 uS/cm
Dissolved Oxygen = 5.79 mg/L
- Rio Grande South
Temp = 15.5°C
pH = 8.02
Conductivity = 395 uS/cm
Dissolved Oxygen = 6.24 mg/L

Analytical Report

Lab Order: 2210315

Date Reported: 11/23/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: AMAFCA

Client Sample ID: R6 North-20221005

Project: CMC Wet FY23

Collection Date: 10/5/2022 12:15:00 PM

Lab ID: 2210315-001A

Matrix: Aqueous

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8081: PESTICIDES							Analyst: JME
Dieldrin	ND	0.10		µg/L	1	10/17/2022 12:51:12 PM	70767
Surr: Decachlorobiphenyl	94.3	40.9-111		%Rec	1	10/17/2022 12:51:12 PM	70767
Surr: Tetrachloro-m-xylene	64.3	15-107		%Rec	1	10/17/2022 12:51:12 PM	70767

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: 2210315

Date Reported: 11/23/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: AMAFCA

Client Sample ID: R6 North-20221005

Project: CMC Wet FY23

Collection Date: 10/5/2022 12:15:00 PM

Lab ID: 2210315-001D

Matrix: Aqueous

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 1664B							Analyst: SMS
N-Hexane Extractable Material	ND	9.40		mg/L	1	10/18/2022 6:18:00 PM	70825

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: 2210315

Date Reported: 11/23/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: AMAFCA
Project: CMC Wet FY23
Lab ID: 2210315-001E

Client Sample ID: R6 North-20221005
Collection Date: 10/5/2022 12:15:00 PM
Matrix: Aqueous

Table with columns: Analyses, Result, RL, Qual, Units, DF, Date Analyzed, Batch ID. Rows include EPA METHOD 300.0: ANIONS, SM2540C MOD: TOTAL DISSOLVED SOLIDS, SM 4500 NH3: AMMONIA, SM4500-H+B / 9040C: PH, EPA METHOD 365.1: TOTAL PHOSPHOROUS, SM 4500 NORG C: TKN, SM 2540D: TSS.

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

Qualifiers table with columns: Qualifier, Description. Includes entries for *, D, H, ND, PQL, S, B, E, J, P, RL.

Analytical Report

Lab Order: 2210315

Date Reported: 11/23/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: AMAFCA

Client Sample ID: R6 North-20221005

Project: CMC Wet FY23

Collection Date: 10/5/2022 12:15:00 PM

Lab ID: 2210315-001F

Matrix: Aqueous

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 365.1: TOTAL PHOSPHOROUS							Analyst: CJS
Phosphorus, Total (As P)	ND	0.25	D	mg/L	1	10/25/2022 3:04:00 PM	71023

Dissolved phosphorous

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: 2210315

Date Reported: 11/23/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: AMAFCA
Project: CMC Wet FY23
Lab ID: 2210315-001G

Client Sample ID: R6 North-20221005
Collection Date: 10/5/2022 12:15:00 PM
Matrix: Aqueous

Table with columns: Analyses, Result, RL, Qual, Units, DF, Date Analyzed, Batch ID. Rows include SM2340B: HARDNESS and EPA METHOD 200.7: METALS.

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

Table with 2 columns: Qualifiers and their corresponding definitions (e.g., *, D, H, ND, PQL, S, B, E, J, P, RL).

Analytical Report

Lab Order: 2210315

Date Reported: 11/23/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: AMAFCA

Client Sample ID: R6 North-20221005

Project: CMC Wet FY23

Collection Date: 10/5/2022 12:15:00 PM

Lab ID: 2210315-001N

Matrix: Aqueous

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA 200.8: DISSOLVED METALS							Analyst: bcv
Copper	0.0011	0.0010		mg/L	1	10/18/2022 1:04:27 PM	A91883
Lead	ND	0.00050		mg/L	1	10/18/2022 1:04:27 PM	A91883

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: 2210315

Date Reported: 11/23/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: AMAFCA

Client Sample ID: R6 South-20221006

Project: CMC Wet FY23

Collection Date: 10/6/2022 9:05:00 AM

Lab ID: 2210315-002A

Matrix: Aqueous

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8081: PESTICIDES							Analyst: JME
Dieldrin	ND	0.10		µg/L	1	10/17/2022 1:04:20 PM	70767
Surr: Decachlorobiphenyl	96.8	40.9-111		%Rec	1	10/17/2022 1:04:20 PM	70767
Surr: Tetrachloro-m-xylene	76.2	15-107		%Rec	1	10/17/2022 1:04:20 PM	70767

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: 2210315

Date Reported: 11/23/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: AMAFCA
Project: CMC Wet FY23
Lab ID: 2210315-002B

Client Sample ID: R6 South-20221006
Collection Date: 10/6/2022 9:05:00 AM
Matrix: Aqueous

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
SM 9223B FECAL INDICATOR: E. COLI MPN							Analyst: dms
E. Coli	<1	1.000		MPN/100	1	10/7/2022 5:05:00 PM	70671

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: 2210315

Date Reported: 11/23/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: AMAFCA

Client Sample ID: R6 South-20221006

Project: CMC Wet FY23

Collection Date: 10/6/2022 9:05:00 AM

Lab ID: 2210315-002D

Matrix: Aqueous

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 1664B							Analyst: SMS
N-Hexane Extractable Material	ND	9.50		mg/L	1	10/18/2022 6:18:00 PM	70825

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 Wet FY23
Lab ID: 2210315-002E

Client Sample ID: R6 South-20221006
Collection Date: 10/6/2022 9:05:00 AM
Matrix: Aqueous

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: JTT
Nitrogen, Nitrite (As N)	ND	0.50		mg/L	5	10/7/2022 1:16:26 AM	A91618
Nitrogen, Nitrate (As N)	ND	0.50		mg/L	5	10/7/2022 1:16:26 AM	A91618
SM2540C MOD: TOTAL DISSOLVED SOLIDS							Analyst: SNS
Total Dissolved Solids	265	100	D	mg/L	1	10/12/2022 8:50:00 AM	70696
SM 4500 NH3: AMMONIA							Analyst: EKM
Nitrogen, Ammonia	ND	1.0		mg/L	1	10/21/2022 1:24:00 PM	R91993
SM4500-H+B / 9040C: PH							Analyst: JTT
pH	8.09		H	pH units	1	10/10/2022 4:00:35 PM	R91722
EPA METHOD 365.1: TOTAL PHOSPHOROUS							Analyst: CJS
Phosphorus, Total (As P)	0.97	0.25	D	mg/L	1	10/25/2022 3:06:00 PM	71023
SM 4500 NORG C: TKN							Analyst: EKM
Nitrogen, Kjeldahl, Total	1.7	1.0		mg/L	1	10/24/2022 10:19:00 AM	70981
SM 2540D: TSS							Analyst: KS
Suspended Solids	890	20	D	mg/L	1	10/10/2022 3:18:00 PM	70679

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: 2210315

Date Reported: 11/23/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: AMAFCA

Client Sample ID: R6 **South-**20221006

Project: CMC Wet FY23

Collection Date: 10/6/2022 9:05:00 AM

Lab ID: 2210315-002F

Matrix: Aqueous

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 365.1: TOTAL PHOSPHOROUS							Analyst: CJS
Phosphorus, Total (As P)	ND	0.25	D	mg/L	1	10/25/2022 3:08:00 PM	71023

Dissolved phosphorous

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: 2210315

Date Reported: 11/23/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: AMAFCA
Project: CMC Wet FY23
Lab ID: 2210315-002G

Client Sample ID: R6 South-20221006
Collection Date: 10/6/2022 9:05:00 AM
Matrix: Aqueous

Table with columns: Analyses, Result, RL, Qual, Units, DF, Date Analyzed, Batch ID. Rows include SM2340B: HARDNESS and EPA METHOD 200.7: METALS.

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

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

Analytical Report

Lab Order: 2210315

Date Reported: 11/23/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: AMAFCA

Client Sample ID: R6 South-20221006

Project: CMC Wet FY23

Collection Date: 10/6/2022 9:05:00 AM

Lab ID: 2210315-002N

Matrix: Aqueous

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA 200.8: DISSOLVED METALS							Analyst: bcv
Copper	ND	0.0010		mg/L	1	10/18/2022 1:07:08 PM	A91883
Lead	ND	0.00050		mg/L	1	10/18/2022 1:07:08 PM	A91883

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.		

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

Work Order: MCJ0294
Project: 2210315
Reported: 11/1/2022 11:21

Analytical Results Report

Sample Location: 2210315-001H (R6 North-20221005)
Lab/Sample Number: MCJ0294-01 **Collect Date:** 10/05/22 12:15
Date Received: 10/07/22 14:03 **Collected By:**
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles							
Tetrahydrofuran	ND	ug/L	5.00	10/12/22 18:51	BKP	EPA 8260D	
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	<i>104%</i>		<i>70-130</i>	<i>10/12/22 18:51</i>	<i>BKP</i>	<i>EPA 8260D</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>94.8%</i>		<i>70-130</i>	<i>10/12/22 18:51</i>	<i>BKP</i>	<i>EPA 8260D</i>	
<i>Surrogate: Toluene-d8</i>	<i>96.1%</i>		<i>70-130</i>	<i>10/12/22 18:51</i>	<i>BKP</i>	<i>EPA 8260D</i>	

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Analytical Results Report

(Continued)

Sample Location: 2210315-001I (R6 North-20221005)
Lab/Sample Number: MCJ0294-02 Collect Date: 10/05/22 12:15
Date Received: 10/07/22 14:03 Collected By:
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Semivolatiles							
Benzidine	ND	ug/L	1.00	10/18/22 0:20	MH	EPA 8270E	
Benzo[a]anthracene	ND	ug/L	1.00	10/18/22 0:20	MH	EPA 8270E	
Benzo[a]pyrene	ND	ug/L	1.00	10/18/22 0:20	MH	EPA 8270E	
Benzo[b]fluoranthene	ND	ug/L	1.00	10/18/22 0:20	MH	EPA 8270E	
Benzo[k]fluoranthene	ND	ug/L	1.00	10/18/22 0:20	MH	EPA 8270E	
bis(2-Ethylhexyl)phthalate	ND	ug/L	1.00	10/18/22 0:20	MH	EPA 8270E	
Chrysene	ND	ug/L	1.00	10/18/22 0:20	MH	EPA 8270E	
Dibenz[a,h]anthracene	ND	ug/L	1.00	10/18/22 0:20	MH	EPA 8270E	
Dibenzofuran	ND	ug/L	1.00	10/18/22 0:20	MH	EPA 8270E	
Indeno[1,2,3-cd]pyrene	ND	ug/L	1.00	10/18/22 0:20	MH	EPA 8270E	
Pentachlorophenol	ND	ug/L	1.00	10/18/22 0:20	MH	EPA 8270E	
<hr/>							
Surrogate: Terphenyl-d14	64.9%		57-133	10/18/22 0:20	MH	EPA 8270E	

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Analytical Results Report

(Continued)

Sample Location: 2210315-002H (R6 South-20221006)
Lab/Sample Number: MCJ0294-03 Collect Date: 10/06/22 09:05
Date Received: 10/07/22 14:03 Collected By:
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles							
Tetrahydrofuran	ND	ug/L	5.00	10/12/22 19:21	BKP	EPA 8260D	
Surrogate: 1,2-Dichlorobenzene-d4	104%		70-130	10/12/22 19:21	BKP	EPA 8260D	
Surrogate: 4-Bromofluorobenzene	92.6%		70-130	10/12/22 19:21	BKP	EPA 8260D	
Surrogate: Toluene-d8	96.5%		70-130	10/12/22 19:21	BKP	EPA 8260D	

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Analytical Results Report

(Continued)

Sample Location: 2210315-002I (R6 South-20221006)
Lab/Sample Number: MCJ0294-04 Collect Date: 10/06/22 09:05
Date Received: 10/07/22 14:03 Collected By:
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Semivolatiles							
Benzidine	ND	ug/L	2.50	10/18/22 0:47	MH	EPA 8270E	
Benzo[a]anthracene	ND	ug/L	2.50	10/18/22 0:47	MH	EPA 8270E	
Benzo[a]pyrene	ND	ug/L	2.50	10/18/22 0:47	MH	EPA 8270E	
Benzo[b]fluoranthene	ND	ug/L	2.50	10/18/22 0:47	MH	EPA 8270E	
Benzo[k]fluoranthene	ND	ug/L	2.50	10/18/22 0:47	MH	EPA 8270E	
bis(2-Ethylhexyl)phthalate	ND	ug/L	2.50	10/18/22 0:47	MH	EPA 8270E	
Chrysene	ND	ug/L	2.50	10/18/22 0:47	MH	EPA 8270E	
Dibenz[a,h]anthracene	ND	ug/L	2.50	10/18/22 0:47	MH	EPA 8270E	
Dibenzofuran	ND	ug/L	2.50	10/18/22 0:47	MH	EPA 8270E	
Indeno[1,2,3-cd]pyrene	ND	ug/L	2.50	10/18/22 0:47	MH	EPA 8270E	
Pentachlorophenol	ND	ug/L	2.50	10/18/22 0:47	MH	EPA 8270E	
<hr/>							
Surrogate: Terphenyl-d14	78.7%		57-133	10/18/22 0:47	MH	EPA 8270E	

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Analytical Results Report (Continued)

Sample Location: 2210315-003A (Trip Blank)
Lab/Sample Number: MCJ0294-05 Collect Date: 10/06/22 00:00
Date Received: 10/07/22 14:03 Collected By:
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles							
Tetrahydrofuran	ND	ug/L	0.500	10/12/22 19:51	BKP	EPA 8260D	
Surrogate: 1,2-Dichlorobenzene-d4	104%		70-130	10/12/22 19:51	BKP	EPA 8260D	
Surrogate: 4-Bromofluorobenzene	91.6%		70-130	10/12/22 19:51	BKP	EPA 8260D	
Surrogate: Toluene-d8	104%		70-130	10/12/22 19:51	BKP	EPA 8260D	

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

This report shall not be reproduced except in full, without the written approval of the laboratory
The results reported related only to the samples indicated.

Anatek Labs, Inc.

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 504 E Sprague Ste. D - Spokane, WA 99202 - (509) 838-3999 - fax (509) 838-4433 - email spokane@anateklabs.com

Quality Control Data

Semivolatiles

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BCJ0360 - SVOC Water										
Blank (BCJ0360-BLK1)										
Prepared: 10/10/2022 Analyzed: 10/17/2022										
Dibenzofuran	ND		0.500	ug/L						
Benzidine	ND		0.500	ug/L						
Indeno(1,2,3-cd)pyrene	ND		0.500	ug/L						
Dibenz(a,h)anthracene	ND		0.500	ug/L						
Chrysene	ND		0.500	ug/L						
Di (2-ethylhexyl) phthalate	ND		0.500	ug/L						
Benzo[k]fluoranthene	ND		0.500	ug/L						
Benzo[b]fluoranthene	ND		0.500	ug/L						
Benzo[a]pyrene	ND		0.500	ug/L						
Benzo[a]anthracene	ND		0.500	ug/L						
Pentachlorophenol	ND		0.500	ug/L						
<i>Surrogate: Terphenyl-d14</i>			18.7	ug/L	25.0		74.9	57-133		
LCS (BCJ0360-BS1)										
Prepared: 10/10/2022 Analyzed: 10/17/2022										
Dibenzofuran	4.43		0.500	ug/L	5.00		88.6	75-120		
Benzo[a]anthracene	4.38		0.500	ug/L	5.00		87.6	80-120		
Benzo[a]pyrene	4.25		0.500	ug/L	5.00		85.0	66-116		
Benzo[b]fluoranthene	4.61		0.500	ug/L	5.00		92.2	72-116		
Benzo[k]fluoranthene	4.97		0.500	ug/L	5.00		99.4	71-121		
Di (2-ethylhexyl) phthalate	5.39		0.500	ug/L	5.00		108	60-144		
Indeno(1,2,3-cd)pyrene	4.19		0.500	ug/L	5.00		83.8	62-123		
Pentachlorophenol	4.17		0.500	ug/L	5.00		83.4	51-118		
Chrysene	4.70		0.500	ug/L	5.00		94.0	74-124		
Dibenz(a,h)anthracene	4.16		0.500	ug/L	5.00		83.2	62-120		
LCS Dup (BCJ0360-BSD1)										
Prepared: 10/10/2022 Analyzed: 10/17/2022										
Di (2-ethylhexyl) phthalate	4.79		0.500	ug/L	5.00		95.8	60-144	11.8	32
Pentachlorophenol	4.51		0.500	ug/L	5.00		90.2	51-118	7.83	25
Indeno(1,2,3-cd)pyrene	4.05		0.500	ug/L	5.00		81.0	62-123	3.40	25
Dibenzofuran	4.46		0.500	ug/L	5.00		89.2	75-120	0.675	25
Chrysene	4.79		0.500	ug/L	5.00		95.8	74-124	1.90	25
Benzo[k]fluoranthene	5.08		0.500	ug/L	5.00		102	71-121	2.19	25
Benzo[b]fluoranthene	4.47		0.500	ug/L	5.00		89.4	72-116	3.08	25
Benzo[a]pyrene	4.07		0.500	ug/L	5.00		81.4	66-116	4.33	25
Benzo[a]anthracene	4.38		0.500	ug/L	5.00		87.6	80-120	0.00	25
Dibenz(a,h)anthracene	3.91		0.500	ug/L	5.00		78.2	62-120	6.20	30

Quality Control Data

Volatiles

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BCJ0445 - VOC										
Blank (BCJ0445-BLK1)										
Prepared & Analyzed: 10/12/2022										
Tetrahydrofuran	ND		0.500	ug/L						
<i>Surrogate: 4-Bromofluorobenzene</i>			23.7	ug/L	25.0		94.6	70-130		
<i>Surrogate: Toluene-d8</i>			24.7	ug/L	25.0		98.6	70-130		
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>			19.1	ug/L	19.0		100	70-130		

Anatek Labs, Inc.

1282 Alturas Drive - Moscow, ID 83843 - (208) 883-2839 - Fax (208) 8829246 - email moscow@anateklabs.com
504 E Sprague Ste. D - Spokane, WA 99202 - (509) 838-3999 - fax (509) 838-4433 - email spokane@anateklabs.com

Quality Control Data (Continued)

Volatiles (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BCJ0445 - VOC (Continued)										
LCS (BCJ0445-BS1)										
Tetrahydrofuran	11.7		1.00	ug/L	10.0		117	80-120		



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	2210315-001H	R6 North-20221005	VOAHCL	Aqueous	10/5/2022 12:15:00 PM	3	8260 Tetrahydrofuran Only
2	2210315-001I	R6 North-20221005	1LAMGU	Aqueous	10/5/2022 12:15:00 PM	3	8270 - See attached
3	2210315-002H	R6 South-20221006	VOAHCL	Aqueous	10/6/2022 9:05:00 AM	3	8260 Tetrahydrofuran Only
4	2210315-002I	R6 South-20221006	1LAMGU	Aqueous	10/6/2022 9:05:00 AM	2	8270 - See attached
5	2210315-003A	Trip Blank	VOAHCL	Trip Blank		2	8260 Tetrahydrofuran Only

SPECIAL INSTRUCTIONS / COMMENTS:

Please include the LAB ID and the CLIENT SAMPLE ID on all final reports. Please e-mail results to lab@hallenvironmental.com. Please return all coolers and blue ice. Thank you.

Relinquished By: <i>SA</i>	Date: 10/6/2022	Time: 2:34 PM	Received By: <i>JKT</i>	Date: <i>10/7/22</i>	Time: <i>14:03</i>	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"/>						

A Hatched Sheet

MCJ0294



Due: 10/24/22

Collaborative Monitoring Cooperative - Analyses List Attach to Chain of Custody

Please refer to attached NPDES Permit No. NMR04A00.Appendix F. Methods and minimum quantities (MQL's) will be those approved under 40 CFR 136 and specified in the attached permit

Analyte (Bold indicates WQS)	CAS #	Fraction	Method #	MDL (µg/L)
Hardness (Ca + Mg)	NA	Total	200.7	2.4
Lead	7439-92-1	Dissolved	200.8	0.09
Copper	7440-50-8	Dissolved	200.8	1.06
Ammonia + organic nitrogen	7664-41-7	Total	350.1	31.32
Total Kjeldahl 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	0.2
Benzo(a)anthracene	56-55-3	Total	8270D	0.1
Dieldrin	60-57-1	Total	8081	0.2
Pentachlorophenol	87-86-5	Total	8270D	0.1
Benzidine	92-87-5	Total	8270D	0.2
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



Sample Receipt and Preservation Form

MCJ0294



Due: 10/24/22

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: 4 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: IR-5

Comments:

Samples Received Intact? Yes No N/A
 Chain of Custody Present? Yes No N/A
 Samples Received Within Hold Time? Yes No N/A
 Samples Properly Preserved? Yes No N/A
 VOC Vials Free of Headspace (<6mm)? Yes No N/A
 VOC Trip Blanks Present? Yes No N/A
 Labels and Chains Agree? Yes No N/A
 Total Number of Sample Bottles Received: 11

One of 2 trip blanks
2210315-003A excessive HS

Chain of Custody Fully Completed? Yes No N/A
 Correct Containers Received? Yes No N/A
 Anatek Bottles Used? Yes No Unknown

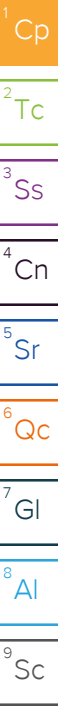
Record preservatives (and lot numbers, if known) for containers below:

HCl - 8260 Tetrahydrofuran only - g 44ml x 6 + 2 TBs

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

8270 (see attached) - g 2L x 3 (2210315-001E x 2)

Received/Inspected By: JKA Date/Time: 10/7/22 14:03



Hall Environmental Analysis Laboratory

Sample Delivery Group: L1544321

Samples Received: 10/07/2022

Project Number:

Description:

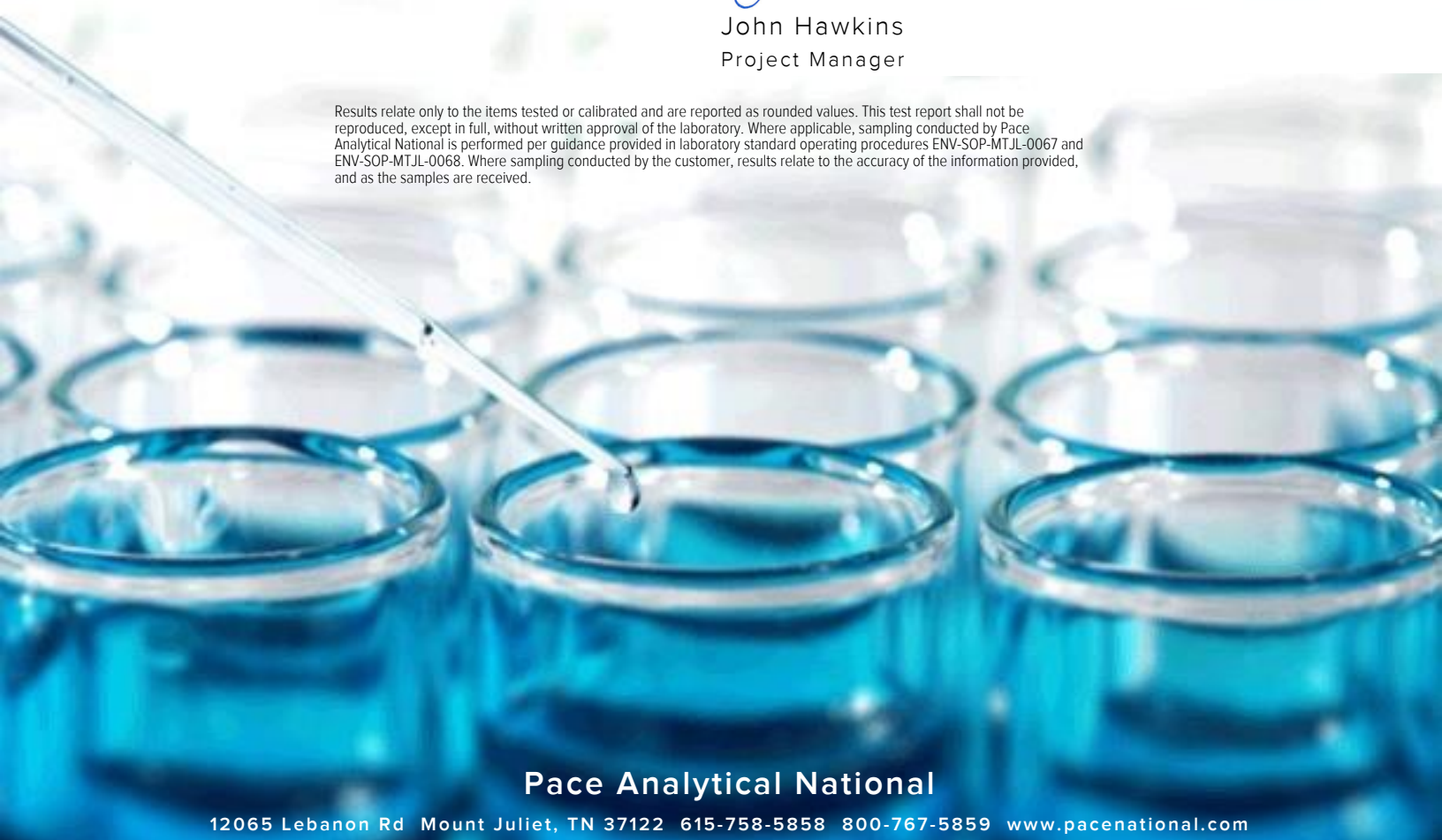
Report To: Andy Freeman
4901 Hawkins NE
Albuquerque, NM 87109

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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SAMPLE SUMMARY

2210315-001KM R6 NORTH-20221005 L1544321-01 GW

Collected by:
 Collected date/time: 10/05/22 12:15
 Received date/time: 10/07/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 3500Cr C-2011	WG1938076	1	10/12/22 07:17	10/12/22 07:17	ARD	Mt. Juliet, TN
Wet Chemistry by Method 410.4	WG1939857	1	10/09/22 17:30	10/09/22 20:03	EPW	Mt. Juliet, TN

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

2210315-002KM R6 SOUTH-20221006 L1544321-02 GW

Collected by:
 Collected date/time: 10/06/22 09:05
 Received date/time: 10/07/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 3500Cr C-2011	WG1938076	1	10/12/22 07:25	10/12/22 07:25	ARD	Mt. Juliet, TN
Wet Chemistry by Method 410.4	WG1940273	1	10/10/22 13:00	10/10/22 16:42	TQP	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.



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	10/12/2022 07:17	WG1938076

Wet Chemistry by Method 410.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
COD	22.3		20.0	1	10/09/2022 20:03	WG1939857

- 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	10/12/2022 07:25	WG1938076

Wet Chemistry by Method 410.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
COD	ND		20.0	1	10/10/2022 16:42	WG1940273

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

Method Blank (MB)

(MB) R3849771-1 10/11/22 21:36

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

¹Cp

²Tc

³Ss

L1542321-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1542321-01 10/11/22 22:35 • (DUP) R3849771-5 10/11/22 22:42

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

⁴Cn

⁵Sr

L1542881-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1542881-01 10/12/22 00:15 • (DUP) R3849771-6 10/12/22 00:22

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

⁶Qc

⁷Gl

⁸Al

Laboratory Control Sample (LCS)

(LCS) R3849771-2 10/11/22 21:43

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Hexavalent Chromium	0.00200	0.00205	102	90.0-110	

⁹Sc

L1542312-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1542312-01 10/11/22 22:10 • (MS) R3849771-3 10/11/22 22:19 • (MSD) R3849771-4 10/11/22 22:27

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	0.0507	0.0511	101	102	1	90.0-110			0.884	20

L1543260-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1543260-01 10/12/22 00:38 • (MS) R3849771-7 10/12/22 01:01

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Hexavalent Chromium	0.0500	ND	0.0503	101	1	90.0-110	

Method Blank (MB)

(MB) R3846395-1 10/09/22 19:50

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
COD	U		11.7	20.0

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

L1543424-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1543424-01 10/09/22 19:54 • (DUP) R3846395-3 10/09/22 19:55

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
COD	47.4	47.7	1	0.610		20

7 Gl

8 Al

9 Sc

L1544335-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1544335-01 10/09/22 20:03 • (DUP) R3846395-6 10/09/22 20:04

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
COD	32.2	32.7	1	1.60		20

Laboratory Control Sample (LCS)

(LCS) R3846395-2 10/09/22 19:53

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
COD	500	537	107	90.0-110	

L1543925-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1543925-02 10/09/22 19:56 • (MS) R3846395-4 10/09/22 19:57 • (MSD) R3846395-5 10/09/22 19:58

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
COD	500	263	1160	1170	180	181	1	80.0-120	<u>E J5</u>	<u>E J5</u>	0.549	20

Sample Narrative:

MS: Matrix spike failure due to matrix interference.
MSD: Matrix spike failure due to matrix interference.

Method Blank (MB)

(MB) R3846784-1 10/10/22 16:33

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
COD	U		11.7	20.0

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1544252-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1544252-02 10/10/22 16:36 • (DUP) R3846784-5 10/10/22 16:36

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
COD	33.9	37.2	1	9.50		20

L1544331-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1544331-02 10/10/22 16:42 • (DUP) R3846784-6 10/10/22 16:42

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
COD	33.9	28.6	1	16.9		20

Laboratory Control Sample (LCS)

(LCS) R3846784-2 10/10/22 16:34

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
COD	500	483	96.7	90.0-110	

L1544093-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1544093-01 10/10/22 16:34 • (MS) R3846784-3 10/10/22 16:34 • (MSD) R3846784-4 10/10/22 16:34

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
COD	500	ND	532	549	106	110	1	80.0-120			3.15	20

GLOSSARY OF TERMS

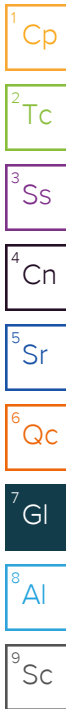
Guide to Reading and Understanding Your Laboratory Report

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
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.



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.

¹ Cp

² Tc

³ Ss

⁴ Cn

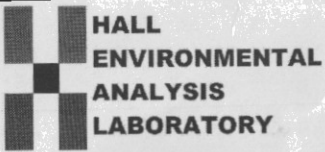
⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



CHAIN OF CUSTODY RECORD

PAGE: 1 OF: 1

Hall Environmental Analysis Laboratory
 4901 Hawkins NE
 Albuquerque, NM 87109
 TEL: 505-345-3975
 FAX: 505-345-4107
 Website: www.hallenvironmental.com

J091

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

ITEM	SAMPLE	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	COLLECTION DATE	# CONTAINERS	ANALYTICAL COMMENTS
1	2210315-001K	R6 North-20221005	500HDPEH2 SO4	Aqueous	10/5/2022 12:15:00 PM	1	COD J01
2	2210315-001M	R6 North-20221005	120mL	Aqueous	10/5/2022 12:15:00 PM	1	HEXAVALENT CHROMIUM J01
3	2210315-002K	R6 South-20221006	500HDPEH2 SO4	Aqueous	10/6/2022 9:05:00 AM	1	COD J02
4	2210315-002M	R6 South-20221006	120mL	Aqueous	10/6/2022 9:05:00 AM	1	HEXAVALENT CHROMIUM J02

L1544321

cont. - 4
 0221 5755 8093 2632

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

RAD Screen <0.5 mR/hr: Y N

SPECIAL INSTRUCTIONS / COMMENTS:

Please include the LAB ID and the CLIENT SAMPLE ID on all final reports. Please e-mail results to lab@hallenvironmental.com. Please return all coolers and blue ice. Thank you.

Relinquished By: <i>See</i>	Date: 10/6/2022	Time: 11:42 AM	Received By: <i>[Signature]</i>	Date: 10/07/22	Time: 0910
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

REPORT TRANSMITTAL DESIRED:

HARDCOPY (extra cost) FAX EMAIL ONLINE

FOR LAB USE ONLY

Temp of samples *NSM* 5.8 to 5.8 °C Attempt to Cool? _____

Comments: _____

TAT: Standard RUSH Next BD 2nd BD 3rd BD

November 10, 2022

Andy Freeman
Hall Environmental
4901 Hawkins NE
Albuquerque, NM 87109

RE: Project: 2210315
Pace Project No.: 30528336

Dear Andy Freeman:

Enclosed are the analytical results for sample(s) received by the laboratory on October 07, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Carla Cmar
carla.cmar@pacelabs.com
(724)850-5600
Project Manager

Enclosures

cc: Ms. Jackie Ball, Hall Environmental
Michelle Garcia, Hall Environmental



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

CERTIFICATIONS

Project: 2210315
Pace Project No.: 30528336

Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601

ANAB DOD-ELAP Rad Accreditation #: L2417

Alabama Certification #: 41590

Arizona Certification #: AZ0734

Arkansas Certification

California Certification #: 04222CA

Colorado Certification #: PA01547

Connecticut Certification #: PH-0694

Delaware Certification

EPA Region 4 DW Rad

Florida/TNI Certification #: E87683

Georgia Certification #: C040

Florida: Cert E871149 SEKS WET

Guam Certification

Hawaii Certification

Idaho Certification

Illinois Certification

Indiana Certification

Iowa Certification #: 391

Kansas/TNI Certification #: E-10358

Kentucky Certification #: KY90133

KY WW Permit #: KY0098221

KY WW Permit #: KY0000221

Louisiana DHH/TNI Certification #: LA180012

Louisiana DEQ/TNI Certification #: 4086

Maine Certification #: 2017020

Maryland Certification #: 308

Massachusetts Certification #: M-PA1457

Michigan/PADEP Certification #: 9991

Missouri Certification #: 235

Montana Certification #: Cert0082

Nebraska Certification #: NE-OS-29-14

Nevada Certification #: PA014572018-1

New Hampshire/TNI Certification #: 297617

New Jersey/TNI Certification #: PA051

New Mexico Certification #: PA01457

New York/TNI Certification #: 10888

North Carolina Certification #: 42706

North Dakota Certification #: R-190

Ohio EPA Rad Approval: #41249

Oregon/TNI Certification #: PA200002-010

Pennsylvania/TNI Certification #: 65-00282

Puerto Rico Certification #: PA01457

Rhode Island Certification #: 65-00282

South Dakota Certification

Tennessee Certification #: 02867

Texas/TNI Certification #: T104704188-17-3

Utah/TNI Certification #: PA014572017-9

USDA Soil Permit #: P330-17-00091

Vermont Dept. of Health: ID# VT-0282

Virgin Island/PADEP Certification

Virginia/VELAP Certification #: 460198

Washington Certification #: C868

West Virginia DEP Certification #: 143

West Virginia DHHR Certification #: 9964C

Wisconsin Approve List for Rad

Wyoming Certification #: 8TMS-L

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 2210315
Pace Project No.: 30528336

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30528336001	2210315-001L/R6 North-20221005	Water	10/05/22 12:15	10/07/22 09:25
30528336002	2210315-002L/ R6 South-2022100	Water	10/06/22 09:05	10/07/22 09:25

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SAMPLE ANALYTE COUNT

Project: 2210315
Pace Project No.: 30528336

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30528336001	2210315-001L/R6 North-20221005	EPA 900.0	SVM	1	PASI-PA
		EPA 900.0	JAL	1	PASI-PA
30528336002	2210315-002L/ R6 South-2022100	EPA 900.0	SVM	1	PASI-PA
		EPA 900.0	JAL	1	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 2210315

Pace Project No.: 30528336

Method: EPA 900.0

Description: 900.0 Gross Alpha/Beta

Client: Hall Environmental

Date: November 10, 2022

General Information:

2 samples were analyzed for EPA 900.0 by Pace Analytical Services Greensburg. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
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PROJECT NARRATIVE

Project: 2210315

Pace Project No.: 30528336

Method: EPA 900.0

Description: Adjusted Gross Alpha

Client: Hall Environmental

Date: November 10, 2022

General Information:

2 samples were analyzed for EPA 900.0 by Pace Analytical Services Greensburg. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 2210315
Pace Project No.: 30528336

Sample: 2210315-001L/R6 North-20221005							
Lab ID: 30528336001		Collected: 10/05/22 12:15	Received: 10/07/22 09:25	Matrix: Water			
PWS:	Site ID:	Sample Type:					
Parameters	Method	Act ± Unc (MDC)	Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg							
Gross Alpha	EPA 900.0	2.00 ± 1.50 (2.55)		pCi/L	10/14/22 08:41	12587-46-1	
Pace Analytical Services - Greensburg							
Adjusted Gross Alpha	EPA 900.0	0.895 ± NA (NA)		pCi/L	11/10/22 15:20		

Sample: 2210315-002L/ R6 South-2022100							
Lab ID: 30528336002		Collected: 10/06/22 09:05	Received: 10/07/22 09:25	Matrix: Water			
PWS:	Site ID:	Sample Type:					
Parameters	Method	Act ± Unc (MDC)	Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg							
Gross Alpha	EPA 900.0	25.3 ± 5.74 (3.07)		pCi/L	10/13/22 19:38	12587-46-1	
Pace Analytical Services - Greensburg							
Adjusted Gross Alpha	EPA 900.0	22.98 ± NA (NA)		pCi/L	11/10/22 15:20		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL - RADIOCHEMISTRY

Project: 2210315
Pace Project No.: 30528336

QC Batch: 538872	Analysis Method: EPA 900.0
QC Batch Method: EPA 900.0	Analysis Description: 900.0 Gross Alpha/Beta
	Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 30528336001, 30528336002

METHOD BLANK: 2614993 Matrix: Water

Associated Lab Samples: 30528336001, 30528336002

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Gross Alpha	0.883 ± 0.808 (1.48) C:NA T:NA	pCi/L	10/14/22 08:19	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 2210315
Pace Project No.: 30528336

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Act - Activity

Unc - Uncertainty: For Safe Drinking Water Act (SDWA) analyses, the reported Unc. is the calculated Count Uncertainty (95% confidence interval) using a coverage factor of 1.96. For all other matrices (non-SDWA), the reported Unc. is the calculated Expanded Uncertainty (aka Combined Standard Uncertainty, CSU), reported at the 95% confidence interval using a coverage factor of 1.96.

Gamma Spec: The Unc. reported for all gamma-spectroscopy analyses (EPA 901.1), is the calculated Expanded Uncertainty (CSU) at the 95.4% confidence interval, using a coverage factor of 2.0.

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

REPORT OF LABORATORY ANALYSIS

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without the written consent of Pace Analytical Services, LLC.

SUB CONTRACTOR: Pace-Greensburg	COMPANY: Pace Analytical Services, Inc.	PHONE: (724) 850-5600	FAX: (724) 850-5601
ADDRESS: 1638 Roseytown Rd Ste 2,3,4		ACCOUNT #:	EMAIL:
CITY, STATE, ZIP: Greensburg, PA 15601			

ITEM	SAMPLE	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	COLLECTION DATE	# CONTAINERS	ANALYTICAL COMMENTS
1	2210315-001L	R6 North-20221005	1LHDPEHNO	Aqueous	10/5/2022 12:15:00 PM	2	Adjusted Gross Alpha
2	2210315-002L	R6 South-20221006	1LHDPEHNO	Aqueous	10/6/2022 9:05:00 AM	2	Adjusted Gross Alpha

WO# : 30528336



SPECIAL INSTRUCTIONS / COMMENTS:

Please include the LAB ID and the CLIENT SAMPLE ID on all final reports. Please e-mail results to lab@hallenvironmental.com. Please return all coolers and blue ice. Thank you.

Relinquished By: <i>SL</i>	Date: 10/6/2022	Time: 11:46 AM	Received By: <i>Philip Noch</i>	Date: 10/11/22	Time: 9:25	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"/>						

DC#_Title: ENV-FRM-GBUR-0088 v02_Sample Condition Upon Receipt-
Pittsburgh

Effective Date: 10/03/2022



Client Name: Hall Project #: _____

Courier: Fed Ex UPS USPS Client Commercial Pace Other

Tracking Number: 5344 4102 7710

Examined By	<u>PS</u>
Labeled By	<u>PS</u>
Temped By	<u>—</u>

Custody Seal on Cooler/Box Present: Yes No Seals Intact: Yes No

Thermometer Used: _____ Type of Ice: Wet Blue (None)

Cooler Temperature: Observed Temp _____ °C Correction Factor: _____ °C Final Temp: _____ °C
Temp should be above freezing to 6°C

Comments:	pH paper Lot#			D.P.D. Residual Chlorine Lot #		
	Yes	No	NA	<u>1000421</u>		
Chain of Custody Present	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1.		
Chain of Custody Filled Out: -Were client corrections present on COC	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2.		
Chain of Custody Relinquished	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.		
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4.		
Sample Labels match COC: -Includes date/time/ID Matrix: <u>WT</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5.		
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6.		
Short Hold Time Analysis (<72hr remaining):	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	7.		
Rush Turn Around Time Requested:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	8.		
Sufficient Volume:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9.		
Correct Containers Used: -Pace Containers Used	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10.		
Containers Intact:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	11.		
Orthophosphate field filtered:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	12.		
Hex Cr Aqueous samples field filtered:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	13.		
Organic Samples checked for dechlorination	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	14.		
Filtered volume received for dissolved tests:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	15.		
All containers checked for preservation: exceptions: VOA, coliform, TOC, O&G, Phenolics, Radon, non-aqueous matrix	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	16. <u>PH<2</u>		
All containers meet method preservation requirements:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Initial when completed <u>PS</u>	Date/Time of Preservation	
Headspace in VOA Vials (>6mm):	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Lot# of added Preservative		
Trip Blank Present:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	17.		
Trip Blank Custody Seals Present	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	18.		
Rad Samples Screened <0.5 mrem/hr.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Initial when completed <u>PS</u>	Date: <u>10/17/22</u>	Survey Meter SN: <u>1563</u>
Comments:						

W0#: 30528336
 Due Date: 10/28/22
 PH: HMC
 CLIENT: HALL ENVIRON

Note: For NC compliance samples with discrepancies, a copy of this form must be sent to the DEHNR Certification office. PM Review is documented electronically in LIMS through the SRF Review schedule in the Workorder Edit Screen.



Pace Greensburg Lab -Sample Container Count

Client _____

Profile Number 1845

Site 7210315

Notes _____

Sample Line Item	Matrix	AG1H	AG1S	AG1T	AG2U	AG3S	AG3U	AG5U	AG5T	BG1U	BG2U	BP1N	BP1U	BP2S	BP2U	BP3C	BP3N	BP3S	BP3U	DG9S	GCUB	VG9H	VG9T	VG9U	VOAK	WGFU	WGKU	ZPLC
1	WJ											2																
2	WJ											2																
3																												
4																												
5																												
6																												
7																												
8																												
9																												
10																												
11																												
12																												

WO# : 30528336

PM: HMC Due Date: 10/28/22
 CLIENT: HALL ENVIRON

Container Codes

Glass

GJN	1 Gallon Jug with HNO3	DG9S	40mL amber VOA vial H2SO4
AG5U	100mL amber glass unprservd	VG9U	40mL clear VOA vial
AG5T	100mL amber glass Na Thiosulfate	VG9T	40mL clear VOA vial Na Thiosul
GJN	1 Gallon Jug	VG9H	40mL clear VOA vial HCl
AG1S	1L amber glass H2SO4	JGFU	4oz amber wide jar
AG1H	1L amber glass HCl	WGFU	4oz wide jar unpreserved
AG1T	1L amber glass Na Thiosulfate	BG2U	500mL clear glass unpreserved
BG1U	1L clear glass unpreserved	AG2U	500mL amber glass unpreserved
AG3S	250mL amber glass H2SO4	WGKU	8oz wide jar unpreserved
AG3U	250mL amber glass unpreserved		

Plastic / Misc.

GCUB	1 Gallon Cubitainer	EZI	5g Encore
12GN	1/2 Gallon Cubitainer	VOAK	Kit for Volatile Solid
SP5T	120mL Coliform Na Thiosulfate	I	Wipe/Swab
BP1N	1L plastic HNO3	ZPLC	Ziploc Bag
BP1U	1L plastic unpreserved		
BP3S	250mL plastic H2SO4	WT	Water
BP3N	250mL plastic HNO3	SL	Solid
BP3U	250mL plastic unpreserved	OL	Non-aqueous liquid
BP3C	250ml plastic NAOH	WP	Wipe
BP2S	500mL plastic H2SO4		
BP2U	500mL plastic unpreserved		

Pace Analytical - Greensburg, PA

Sample Delivery Group: L1547177
Samples Received: 10/15/2022
Project Number: 30528336
Description: 2210315
Site: 001
Report To: Carla Cmar
1638 Roseytown Road
Greensburg, PA 15601

Entire Report Reviewed By:



Donna Eidson
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 National12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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Gl: Glossary of Terms	8	⁶ Qc
Al: Accreditations & Locations	9	⁷ Gl
Sc: Sample Chain of Custody	10	⁸ Al
		⁹ Sc

SAMPLE SUMMARY

				Collected by	Collected date/time	Received date/time
2210315-001L/R6 NORTH-20221005 L1547177-01 Non-Potable Water					10/05/22 12:15	10/15/22 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method D5174	WG1949166	1	11/03/22 14:48	11/09/22 16:17	SNR	Mt. Juliet, TN

¹Cp

²Tc

³Ss

				Collected by	Collected date/time	Received date/time
2210315-002L//R6 SOUTH-2022100 L1547177-02 Non-Potable Water					10/06/22 09:05	10/15/22 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method D5174	WG1949166	1	11/03/22 14:48	11/09/22 16:20	SNR	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.



Donna Eidson
Project Manager

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Radiochemistry by Method D5174

Analyte	Result	Qualifier	Uncertainty	RDL	Analysis Date	Batch
	ug/l		+ / -	ug/l	date / time	
Uranium	1.65		0.0549	1.00	11/09/2022 16:17	WG1949166

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

Radiochemistry by Method D5174

Analyte	Result	Qualifier	Uncertainty	RDL	Analysis Date	Batch
	ug/l		+ / -	ug/l	date / time	
Uranium	3.46		0.115	1.00	11/09/2022 16:20	WG1949166

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

Method Blank (MB)

(MB) R3859221-1 11/09/22 15:57

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Uranium	U		1.00	1.00

¹Cp

²Tc

³Ss

Laboratory Control Sample (LCS)

(LCS) R3859221-2 11/09/22 16:00

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Uranium	30.0	29.2	97.5	80.0-120	

⁴Cn

⁵Sr

L1547600-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1547600-01 11/09/22 16:58 • (MS) R3859221-3 11/09/22 16:02 • (MSD) R3859221-5 11/09/22 16:07

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Uranium	20.0	ND	20.3	20.1	101	101	1	75.0-125			0.781	20

⁶Qc

⁷Gl

⁸Al

L1547600-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1547600-02 11/09/22 17:00 • (MS) R3859221-4 11/09/22 16:04 • (MSD) R3859221-6 11/09/22 16:10

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Uranium	20.0	ND	18.7	19.3	93.6	96.5	1	75.0-125			3.07	20

⁹Sc

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.

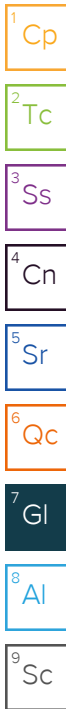
Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. 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

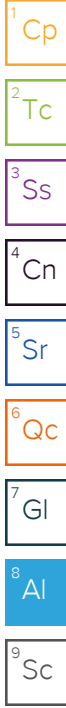
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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.





CHAIN OF CUSTODY RECORD

PAGE: 1 OF: 1

Hall Environmental Analysis Laboratory
 4901 Hawkins NE
 Albuquerque, NM 87109
 TEL: 505-345-3975
 FAX: 505-345-4107
 Website: www.hallenvironmental.com

454777

SUB CONTRACTOR: Pace-Greensburg		COMPANY: Pace Analytical Services, Inc.		PHONE: (724) 850-5600	FAX: (724) 850-5601		
ADDRESS: 1638 Roseytown Rd Ste 2,3,4				ACCOUNT #:	EMAIL:		
CITY, STATE, ZIP: Greensburg, PA 15601							
ITEM	SAMPLE	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	COLLECTION DATE	# CONTAINERS	ANALYTICAL COMMENTS
1	2210315-001L	R6 North-20221005	1LHDPEHNO	Aqueous	10/5/2022 12:15:00 PM	2	Adjusted Gross Alpha
2	2210315-002L	R6 South-20221006	1LHDPEHNO	Aqueous	10/6/2022 9:05:00 AM	2	Adjusted Gross Alpha

WO#: 30528336



SPECIAL INSTRUCTIONS / COMMENTS:

Please include the LAB ID and the CLIENT SAMPLE ID on all final reports. Please e-mail results to lab@hallenvironmental.com. Please return all coolers and blue ice. Thank you.

Relinquished By: <i>EL</i>	Date: 10/6/2022	Time: 11:46 AM	Received By: <i>Ralph Noch</i>	Date: 10/7/22	Time: 9:25	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 checked="" type="checkbox"/> RUSH Next BD <input type="checkbox"/> 2nd BD <input type="checkbox"/> 3rd BD <input type="checkbox"/>						

November 23, 2022

Mr. Andy Freeman
Hall Environmental
4901 Hawkins NE
Suite D
Albuquerque, New Mexico 87109

Re: Routine Analysis
Work Order: 20534
SDG: 2210315

Dear Mr. Freeman:

Cape Fear Analytical LLC (CFA) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on October 07, 2022. This original data report has been prepared and reviewed in accordance with CFA's standard operating procedures.

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at 910-795-0421.

Sincerely,



Cynde Larkins
Project Manager

Purchase Order: IDIQ Pricing
Enclosures



CHAIN OF CUSTODY RECORD PAGE: 1 OF: 1

Hall Environmental Analysis Laboratory
 4901 Hawkins NE
 Albuquerque, NM 87109
 TEL: 505-345-3975
 FAX: 505-345-4107
 Website: www.hallenvironmental.com

CFA WO#20534

SUB CONTRACTOR: Cape Fear Analytical	COMPANY: Cape Fear Analytical	PHONE: (910) 795-0421	FAX:
ADDRESS: 3306 Kitty Hawk Rd Ste 120		ACCOUNT #:	EMAIL:
CITY, STATE, ZIP: Wilmington, NC 28405			

ITEM	SAMPLE	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	COLLECTION DATE	# CONTAINERS	ANALYTICAL COMMENTS
1	2210315-001J	R6 North-20221005	1LAMGU	Aqueous	10/5/2022 12:15:00 PM	1	PCBs by 1668
2	2210315-002J	R6 South-20221006	1LAMGU	Aqueous	10/6/2022 9:05:00 AM	1	PCBs by 1668

SPECIAL INSTRUCTIONS / COMMENTS:

Please include the LAB ID and the CLIENT SAMPLE ID on all final reports. Please e-mail results to lab@hallenvironmental.com. Please return all coolers and blue ice. Thank you.

Relinquished By: <i>isa</i>	Date: 10/6/2022	Time: 11:42 AM	Received By: <i>Cynde Jenkins</i>	Date: 07 OCT 22	Time: 0947	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 <u>5.2</u> °C Attempt to Cool? <input checked="" type="checkbox"/> 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"/>						

PCB Congeners Analysis

Case Narrative

**PCBC Case Narrative
Hall Environmental Analysis Laboratory (HALL)
SDG 2210315
Work Order 20534**

Method/Analysis Information

Product: PCB Congeners by EPA Method 1668A in Liquids
Analytical Method: EPA Method 1668A
Extraction Method: SW846 3520C
Analytical Batch Number: 51323
Clean Up Batch Number: 51322
Extraction Batch Number: 51321

Sample Analysis

Samples were received within temperature requirements at 5.2°C (20534001, 20534002). The following samples were analyzed using the analytical protocol as established in EPA Method 1668A:

Sample ID	Client ID
12033076	Method Blank (MB)
12033077	Laboratory Control Sample (LCS)
12033078	Laboratory Control Sample Duplicate (LCSD)
20534001	2210315-001J R6 North-20221005
20534002	2210315-002J R6 South-20221006

The samples in this SDG were analyzed on an "as received" basis.

SOP Reference

Procedure for preparation, analysis and reporting of analytical data are controlled by Cape Fear Analytical LLC (CFA) as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with CF-OA-E-003 REV# 10.

Raw data reports are processed and reviewed by the analyst using the TargetLynx software package.

Calibration Information

Initial Calibration

All initial calibration requirements have been met for this sample delivery group (SDG).

Continuing Calibration Verification (CCV) Requirements

All associated calibration verification standard(s) (ICV or CCV) met the acceptance criteria.

Quality Control (QC) Information

Certification Statement

The test results presented in this document are certified to meet all requirements of the 2009 TNI Standard.

Method Blank (MB) Statement

The MB(s) analyzed with this SDG met the acceptance criteria.

Surrogate Recoveries

All surrogate recoveries were within the established acceptance criteria for this SDG.

Laboratory Control Sample (LCS) Recovery

The LCS spike recoveries met the acceptance limits.

Laboratory Control Sample Duplicate (LCSD) Recovery

The LCSD spike recoveries met the acceptance limits.

LCS/LCSD Relative Percent Difference (RPD) Statement

The RPD(s) between the LCS and LCSD met the acceptance limits.

QC Sample Designation

A matrix spike and matrix spike duplicate analysis was not required for this SDG.

Technical Information

Holding Time Specifications

CFA assigns holding times based on the associated methodology, which assigns the date and time from sample collection. Those holding times expressed in hours are calculated in the AlphaLIMS system. Those holding times expressed as days expire at midnight on the day of expiration. All samples in this SDG met the specified holding time.

Preparation/Analytical Method Verification

All procedures were performed as stated in the SOP.

Sample Dilutions

The samples in this SDG did not require dilutions.

Sample Re-extraction/Re-analysis

Re-extractions or re-analyses were not required in this SDG.

Miscellaneous Information

Manual Integrations

Manual integrations were required for data files in this SDG. Certain standards and QC samples required manual integrations to correctly position the baseline as set in the calibration standard

injections. Where manual integrations were performed, copies of all manual integration peak profiles are included in the raw data section of this fraction.

System Configuration

This analysis was performed on the following instrument configuration:

Instrument ID	Instrument	System Configuration	Column ID	Column Description
HRP875_1	PCB Analysis	PCB Analysis	SPB-Octyl	30m x 0.25mm, 0.25um

Sample Data Summary

Cape Fear Analytical, LLC

3306 Kitty Hawk Road Suite 120, Wilmington, NC 28405 - (910) 795-0421 - www.capefearanalytical.com

Certificate of Analysis Report for

HALL001 Hall Environmental Analysis Laboratory

Client SDG: 2210315 CFA Work Order: 20534

The Qualifiers in this report are defined as follows:

- * A quality control analyte recovery is outside of specified acceptance criteria
- ** Analyte is a surrogate compound
- B The target analyte was detected in the associated blank.
- C Congener has coeluters. When Cxxx, refer to congener number xxx for data
- J Value is estimated
- U Analyte was analyzed for, but not detected above the specified detection limit.

Review/Validation

Cape Fear Analytical requires all analytical data to be verified by a qualified data reviewer.

The following data validator verified the information presented in this case narrative:

Signature:



Name: Alexis Finks

Date: 23 NOV 2022

Title: Data Validator

**PCB Congeners
Certificate of Analysis
Sample Summary**

SDG Number: 2210315	Client: HALL001	Project: HALL00113
Lab Sample ID: 20534001	Date Collected: 10/05/2022 12:15	Matrix: WATER
Client Sample: 1668A Water	Date Received: 10/07/2022 09:47	
Client ID: 2210315-001J R6 North-20221005		Prep Basis: As Received
Batch ID: 51323	Method: EPA Method 1668A	
Run Date: 11/11/2022 21:11	Analyst: MLL	Instrument: HRP875
Data File: d08nov22a_7-9		Dilution: 1
Prep Batch: 51321	Prep Method: SW846 3520C	Prep SOP Ref: CF-OA-E-001
Prep Date: 02-NOV-22	Prep Aliquot: 876.4 mL	

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
2051-60-7	1-MoCB	U	ND	pg/L	6.00	114
2051-61-8	2-MoCB	U	ND	pg/L	7.44	114
2051-62-9	3-MoCB	U	ND	pg/L	4.95	114
13029-08-8	4-DiCB	U	ND	pg/L	14.3	114
16605-91-7	5-DiCB	U	ND	pg/L	11.3	114
25569-80-6	6-DiCB	U	ND	pg/L	8.42	114
33284-50-3	7-DiCB	U	ND	pg/L	8.40	114
34883-43-7	8-DiCB	U	ND	pg/L	7.33	114
34883-39-1	9-DiCB	U	ND	pg/L	10.8	114
33146-45-1	10-DiCB	U	ND	pg/L	7.01	114
2050-67-1	11-DiCB	J	33.7	pg/L	9.79	114
2974-92-7	12-DiCB	CU	ND	pg/L	9.11	228
2974-90-5	13-DiCB	C12				
34883-41-5	14-DiCB	U	ND	pg/L	9.15	114
2050-68-2	15-DiCB	U	ND	pg/L	12.1	114
38444-78-9	16-TrCB	U	ND	pg/L	3.99	114
37680-66-3	17-TrCB	U	ND	pg/L	4.79	114
37680-65-2	18-TrCB	CJ	6.39	pg/L	4.13	228
38444-73-4	19-TrCB	U	ND	pg/L	5.75	114
38444-84-7	20-TrCB	BCJ	11.3	pg/L	3.58	228
55702-46-0	21-TrCB	CU	ND	pg/L	3.13	228
38444-85-8	22-TrCB	J	4.47	pg/L	3.54	114
55720-44-0	23-TrCB	U	ND	pg/L	3.31	114
55702-45-9	24-TrCB	U	ND	pg/L	4.40	114
55712-37-3	25-TrCB	U	ND	pg/L	2.97	114
38444-81-4	26-TrCB	CU	ND	pg/L	3.45	228
38444-76-7	27-TrCB	U	ND	pg/L	3.72	114
7012-37-5	28-TrCB	C20				
15862-07-4	29-TrCB	C26				
35693-92-6	30-TrCB	C18				
16606-02-3	31-TrCB	U	ND	pg/L	6.60	114
38444-77-8	32-TrCB	U	ND	pg/L	3.29	114

Comments:

- B** The target analyte was detected in the associated blank.
- C** Congener has coeluters. When Cxxx, refer to congener number xxx for data
- J** Value is estimated
- U** Analyte was analyzed for, but not detected above the specified detection limit.

**PCB Congeners
Certificate of Analysis
Sample Summary**

Page 2 of 8

SDG Number: 2210315	Client: HALL001	Project: HALL00113
Lab Sample ID: 20534001	Date Collected: 10/05/2022 12:15	Matrix: WATER
Client Sample: 1668A Water	Date Received: 10/07/2022 09:47	
Client ID: 2210315-001J R6 North-20221005		Prep Basis: As Received
Batch ID: 51323	Method: EPA Method 1668A	
Run Date: 11/11/2022 21:11	Analyst: MLL	Instrument: HRP875
Data File: d08nov22a_7-9		Dilution: 1
Prep Batch: 51321	Prep Method: SW846 3520C	Prep SOP Ref: CF-OA-E-001
Prep Date: 02-NOV-22	Prep Aliquot: 876.4 mL	

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
38444-86-9	33-TrCB	C21				
37680-68-5	34-TrCB	U	ND	pg/L	3.86	114
37680-69-6	35-TrCB	U	ND	pg/L	4.70	114
38444-87-0	36-TrCB	U	ND	pg/L	4.11	114
38444-90-5	37-TrCB	U	ND	pg/L	4.11	114
53555-66-1	38-TrCB	U	ND	pg/L	4.61	114
38444-88-1	39-TrCB	U	ND	pg/L	4.70	114
38444-93-8	40-TeCB	CU	ND	pg/L	5.59	228
52663-59-9	41-TeCB	U	ND	pg/L	9.04	114
36559-22-5	42-TeCB	U	ND	pg/L	5.80	114
70362-46-8	43-TeCB	U	ND	pg/L	7.17	114
41464-39-5	44-TeCB	CU	ND	pg/L	8.26	342
70362-45-7	45-TeCB	CJ	4.22	pg/L	2.65	228
41464-47-5	46-TeCB	U	ND	pg/L	2.58	114
2437-79-8	47-TeCB	C44				
70362-47-9	48-TeCB	U	ND	pg/L	6.16	114
41464-40-8	49-TeCB	CU	ND	pg/L	5.00	228
62796-65-0	50-TeCB	CU	ND	pg/L	2.51	228
68194-04-7	51-TeCB	C45				
35693-99-3	52-TeCB	BJ	8.44	pg/L	6.69	228
41464-41-9	53-TeCB	C50				
15968-05-5	54-TeCB	U	ND	pg/L	1.89	114
74338-24-2	55-TeCB	U	ND	pg/L	3.77	114
41464-43-1	56-TeCB	U	ND	pg/L	3.97	114
70424-67-8	57-TeCB	U	ND	pg/L	3.61	114
41464-49-7	58-TeCB	U	ND	pg/L	3.70	114
74472-33-6	59-TeCB	CU	ND	pg/L	4.61	342
33025-41-1	60-TeCB	U	ND	pg/L	3.81	114
33284-53-6	61-TeCB	CU	ND	pg/L	11.1	456
54230-22-7	62-TeCB	C59				
74472-34-7	63-TeCB	U	ND	pg/L	3.70	114
52663-58-8	64-TeCB	U	ND	pg/L	4.47	114

Comments:

- B** The target analyte was detected in the associated blank.
- C** Congener has coeluters. When Cxxx, refer to congener number xxx for data
- J** Value is estimated
- U** Analyte was analyzed for, but not detected above the specified detection limit.

PCB Congeners
Certificate of Analysis
Sample Summary

Page 3 of 8

SDG Number: 2210315	Client: HALL001	Project: HALL00113
Lab Sample ID: 20534001	Date Collected: 10/05/2022 12:15	Matrix: WATER
Client Sample: 1668A Water	Date Received: 10/07/2022 09:47	
Client ID: 2210315-001J R6 North-20221005		Prep Basis: As Received
Batch ID: 51323	Method: EPA Method 1668A	
Run Date: 11/11/2022 21:11	Analyst: MLL	Instrument: HRP875
Data File: d08nov22a_7-9		Dilution: 1
Prep Batch: 51321	Prep Method: SW846 3520C	Prep SOP Ref: CF-OA-E-001
Prep Date: 02-NOV-22	Prep Aliquot: 876.4 mL	

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
33284-54-7	65-TeCB	C44				
32598-10-0	66-TeCB	J	4.52	pg/L	3.95	114
73575-53-8	67-TeCB	U	ND	pg/L	3.08	114
73575-52-7	68-TeCB	U	ND	pg/L	3.35	114
60233-24-1	69-TeCB	C49				
32598-11-1	70-TeCB	C61				
41464-46-4	71-TeCB	C40				
41464-42-0	72-TeCB	U	ND	pg/L	3.63	114
74338-23-1	73-TeCB	U	ND	pg/L	4.27	114
32690-93-0	74-TeCB	C61				
32598-12-2	75-TeCB	C59				
70362-48-0	76-TeCB	C61				
32598-13-3	77-TeCB	U	ND	pg/L	3.72	114
70362-49-1	78-TeCB	U	ND	pg/L	4.56	114
41464-48-6	79-TeCB	U	ND	pg/L	3.51	114
33284-52-5	80-TeCB	U	ND	pg/L	3.31	114
70362-50-4	81-TeCB	U	ND	pg/L	3.47	114
52663-62-4	82-PeCB	U	ND	pg/L	5.04	114
60145-20-2	83-PeCB	U	ND	pg/L	5.77	114
52663-60-2	84-PeCB	U	ND	pg/L	4.27	114
65510-45-4	85-PeCB	CU	ND	pg/L	3.56	342
55312-69-1	86-PeCB	BCJ	7.80	pg/L	3.61	685
38380-02-8	87-PeCB	C86				
55215-17-3	88-PeCB	CU	ND	pg/L	4.31	228
73575-57-2	89-PeCB	U	ND	pg/L	4.95	114
68194-07-0	90-PeCB	CU	ND	pg/L	7.17	342
68194-05-8	91-PeCB	C88				
52663-61-3	92-PeCB	U	ND	pg/L	4.75	114
73575-56-1	93-PeCB	CU	ND	pg/L	3.95	228
73575-55-0	94-PeCB	U	ND	pg/L	4.02	114
38379-99-6	95-PeCB	U	ND	pg/L	4.47	114
73575-54-9	96-PeCB	U	ND	pg/L	2.53	114

Comments:

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PCB Congeners
Certificate of Analysis
Sample Summary

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SDG Number: 2210315	Client: HALL001	Project: HALL00113
Lab Sample ID: 20534001	Date Collected: 10/05/2022 12:15	Matrix: WATER
Client Sample: 1668A Water	Date Received: 10/07/2022 09:47	
Client ID: 2210315-001J R6 North-20221005		Prep Basis: As Received
Batch ID: 51323	Method: EPA Method 1668A	
Run Date: 11/11/2022 21:11	Analyst: MLL	Instrument: HRP875
Data File: d08nov22a_7-9		Dilution: 1
Prep Batch: 51321	Prep Method: SW846 3520C	Prep SOP Ref: CF-OA-E-001
Prep Date: 02-NOV-22	Prep Aliquot: 876.4 mL	

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
41464-51-1	97-PeCB	C86				
60233-25-2	98-PeCB	CU	ND	pg/L	3.86	228
38380-01-7	99-PeCB	U	ND	pg/L	3.81	114
39485-83-1	100-PeCB	C93				
37680-73-2	101-PeCB	C90				
68194-06-9	102-PeCB	C98				
60145-21-3	103-PeCB	U	ND	pg/L	4.06	114
56558-16-8	104-PeCB	U	ND	pg/L	2.01	114
32598-14-4	105-PeCB	U	ND	pg/L	4.08	114
70424-69-0	106-PeCB	U	ND	pg/L	4.13	114
70424-68-9	107-PeCB	U	ND	pg/L	3.42	114
70362-41-3	108-PeCB	CU	ND	pg/L	4.20	228
74472-35-8	109-PeCB	C86				
38380-03-9	110-PeCB	CJ	6.91	pg/L	3.31	228
39635-32-0	111-PeCB	U	ND	pg/L	3.15	114
74472-36-9	112-PeCB	U	ND	pg/L	2.85	114
68194-10-5	113-PeCB	C90				
74472-37-0	114-PeCB	U	ND	pg/L	3.72	114
74472-38-1	115-PeCB	C110				
18259-05-7	116-PeCB	C85				
68194-11-6	117-PeCB	C85				
31508-00-6	118-PeCB	U	ND	pg/L	5.41	114
56558-17-9	119-PeCB	C86				
68194-12-7	120-PeCB	U	ND	pg/L	3.33	114
56558-18-0	121-PeCB	U	ND	pg/L	2.99	114
76842-07-4	122-PeCB	U	ND	pg/L	5.39	114
65510-44-3	123-PeCB	U	ND	pg/L	3.42	114
70424-70-3	124-PeCB	C108				
74472-39-2	125-PeCB	C86				
57465-28-8	126-PeCB	U	ND	pg/L	4.52	114
39635-33-1	127-PeCB	U	ND	pg/L	4.47	114
38380-07-3	128-HxCB	CU	ND	pg/L	3.93	228

Comments:

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PCB Congeners
Certificate of Analysis
Sample Summary

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SDG Number: 2210315	Client: HALL001	Project: HALL00113
Lab Sample ID: 20534001	Date Collected: 10/05/2022 12:15	Matrix: WATER
Client Sample: 1668A Water	Date Received: 10/07/2022 09:47	
Client ID: 2210315-001J R6 North-20221005		Prep Basis: As Received
Batch ID: 51323	Method: EPA Method 1668A	
Run Date: 11/11/2022 21:11	Analyst: MLL	Instrument: HRP875
Data File: d08nov22a_7-9		Dilution: 1
Prep Batch: 51321	Prep Method: SW846 3520C	Prep SOP Ref: CF-OA-E-001
Prep Date: 02-NOV-22	Prep Aliquot: 876.4 mL	

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
55215-18-4	129-HxCB	CJ	9.97	pg/L	4.27	342
52663-66-8	130-HxCB	U	ND	pg/L	4.95	114
61798-70-7	131-HxCB	U	ND	pg/L	4.88	114
38380-05-1	132-HxCB	U	ND	pg/L	4.59	114
35694-04-3	133-HxCB	U	ND	pg/L	4.70	114
52704-70-8	134-HxCB	U	ND	pg/L	5.16	114
52744-13-5	135-HxCB	CJ	5.18	pg/L	3.42	228
38411-22-2	136-HxCB	U	ND	pg/L	2.49	114
35694-06-5	137-HxCB	U	ND	pg/L	4.77	114
35065-28-2	138-HxCB	C129				
56030-56-9	139-HxCB	CU	ND	pg/L	3.99	228
59291-64-4	140-HxCB	C139				
52712-04-6	141-HxCB	U	ND	pg/L	4.04	114
41411-61-4	142-HxCB	U	ND	pg/L	4.86	114
68194-15-0	143-HxCB	U	ND	pg/L	4.56	114
68194-14-9	144-HxCB	U	ND	pg/L	3.38	114
74472-40-5	145-HxCB	U	ND	pg/L	2.35	114
51908-16-8	146-HxCB	U	ND	pg/L	3.90	114
68194-13-8	147-HxCB	CJ	5.73	pg/L	3.88	228
74472-41-6	148-HxCB	U	ND	pg/L	3.26	114
38380-04-0	149-HxCB	C147				
68194-08-1	150-HxCB	U	ND	pg/L	2.19	114
52663-63-5	151-HxCB	C135				
68194-09-2	152-HxCB	U	ND	pg/L	2.44	114
35065-27-1	153-HxCB	BCJ	6.71	pg/L	3.56	228
60145-22-4	154-HxCB	U	ND	pg/L	2.65	114
33979-03-2	155-HxCB	U	ND	pg/L	1.87	114
38380-08-4	156-HxCB	CU	ND	pg/L	3.40	228
69782-90-7	157-HxCB	C156				
74472-42-7	158-HxCB	U	ND	pg/L	2.97	114
39635-35-3	159-HxCB	U	ND	pg/L	2.81	114
41411-62-5	160-HxCB	U	ND	pg/L	3.63	114

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**PCB Congeners
Certificate of Analysis
Sample Summary**

SDG Number: 2210315	Client: HALL001	Project: HALL00113
Lab Sample ID: 20534001	Date Collected: 10/05/2022 12:15	Matrix: WATER
Client Sample: 1668A Water	Date Received: 10/07/2022 09:47	
Client ID: 2210315-001J R6 North-20221005		Prep Basis: As Received
Batch ID: 51323	Method: EPA Method 1668A	
Run Date: 11/11/2022 21:11	Analyst: MLL	Instrument: HRP875
Data File: d08nov22a_7-9		Dilution: 1
Prep Batch: 51321	Prep Method: SW846 3520C	Prep SOP Ref: CF-OA-E-001
Prep Date: 02-NOV-22	Prep Aliquot: 876.4 mL	

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
74472-43-8	161-HxCB	U	ND	pg/L	3.26	114
39635-34-2	162-HxCB	U	ND	pg/L	2.78	114
74472-44-9	163-HxCB	C129				
74472-45-0	164-HxCB	U	ND	pg/L	3.10	114
74472-46-1	165-HxCB	U	ND	pg/L	3.63	114
41411-63-6	166-HxCB	C128				
52663-72-6	167-HxCB	U	ND	pg/L	2.42	114
59291-65-5	168-HxCB	C153				
32774-16-6	169-HxCB	U	ND	pg/L	3.01	114
35065-30-6	170-HpCB	U	ND	pg/L	3.67	114
52663-71-5	171-HpCB	CU	ND	pg/L	3.56	228
52663-74-8	172-HpCB	U	ND	pg/L	3.65	114
68194-16-1	173-HpCB	C171				
38411-25-5	174-HpCB	U	ND	pg/L	3.95	114
40186-70-7	175-HpCB	U	ND	pg/L	3.19	114
52663-65-7	176-HpCB	U	ND	pg/L	2.46	114
52663-70-4	177-HpCB	U	ND	pg/L	3.61	114
52663-67-9	178-HpCB	U	ND	pg/L	3.51	114
52663-64-6	179-HpCB	U	ND	pg/L	2.37	114
35065-29-3	180-HpCB	CU	ND	pg/L	5.77	228
74472-47-2	181-HpCB	U	ND	pg/L	3.45	114
60145-23-5	182-HpCB	U	ND	pg/L	3.08	114
52663-69-1	183-HpCB	CJ	3.54	pg/L	3.26	228
74472-48-3	184-HpCB	U	ND	pg/L	2.33	114
52712-05-7	185-HpCB	C183				
74472-49-4	186-HpCB	U	ND	pg/L	2.49	114
52663-68-0	187-HpCB	J	3.13	pg/L	3.08	114
74487-85-7	188-HpCB	U	ND	pg/L	2.19	114
39635-31-9	189-HpCB	U	ND	pg/L	2.56	114
41411-64-7	190-HpCB	U	ND	pg/L	2.85	114
74472-50-7	191-HpCB	U	ND	pg/L	2.65	114
74472-51-8	192-HpCB	U	ND	pg/L	2.94	114

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PCB Congeners
Certificate of Analysis
Sample Summary

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SDG Number: 2210315	Client: HALL001	Project: HALL00113
Lab Sample ID: 20534001	Date Collected: 10/05/2022 12:15	Matrix: WATER
Client Sample: 1668A Water	Date Received: 10/07/2022 09:47	
Client ID: 2210315-001J R6 North-20221005		Prep Basis: As Received
Batch ID: 51323	Method: EPA Method 1668A	
Run Date: 11/11/2022 21:11	Analyst: MLL	Instrument: HRP875
Data File: d08nov22a_7-9		Dilution: 1
Prep Batch: 51321	Prep Method: SW846 3520C	Prep SOP Ref: CF-OA-E-001
Prep Date: 02-NOV-22	Prep Aliquot: 876.4 mL	

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
69782-91-8	193-HpCB	C180				
35694-08-7	194-OcCB	U	ND	pg/L	4.06	114
52663-78-2	195-OcCB	U	ND	pg/L	2.74	114
42740-50-1	196-OcCB	U	ND	pg/L	3.04	114
33091-17-7	197-OcCB	CJ	3.10	pg/L	2.33	228
68194-17-2	198-OcCB	CJ	4.91	pg/L	3.26	228
52663-75-9	199-OcCB	C198				
52663-73-7	200-OcCB	C197				
40186-71-8	201-OcCB	U	ND	pg/L	2.17	114
2136-99-4	202-OcCB	U	ND	pg/L	2.35	114
52663-76-0	203-OcCB	U	ND	pg/L	3.10	114
74472-52-9	204-OcCB	U	ND	pg/L	2.24	114
74472-53-0	205-OcCB	U	ND	pg/L	1.94	114
40186-72-9	206-NoCB	U	ND	pg/L	4.06	114
52663-79-3	207-NoCB	U	ND	pg/L	2.81	114
52663-77-1	208-NoCB	U	ND	pg/L	2.42	114
2051-24-3	209-DeCB	U	ND	pg/L	3.01	114
1336-36-3	Total PCB Congeners	J	130	pg/L		114

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-1-MoCB		896	2280	pg/L	39.3	(15%-150%)
13C-3-MoCB		1040	2280	pg/L	45.7	(15%-150%)
13C-4-DiCB		1100	2280	pg/L	48.0	(25%-150%)
13C-15-DiCB		1650	2280	pg/L	72.2	(25%-150%)
13C-19-TrCB		1390	2280	pg/L	61.0	(25%-150%)
13C-37-TrCB		1450	2280	pg/L	63.6	(25%-150%)
13C-54-TeCB		1430	2280	pg/L	62.6	(25%-150%)
13C-77-TeCB		1840	2280	pg/L	80.8	(25%-150%)
13C-81-TeCB		1900	2280	pg/L	83.2	(25%-150%)
13C-104-PeCB		1320	2280	pg/L	57.7	(25%-150%)
13C-105-PeCB		1480	2280	pg/L	64.7	(25%-150%)
13C-114-PeCB		1470	2280	pg/L	64.4	(25%-150%)
13C-118-PeCB		1370	2280	pg/L	60.1	(25%-150%)
13C-123-PeCB		1590	2280	pg/L	69.5	(25%-150%)
13C-126-PeCB		1530	2280	pg/L	66.9	(25%-150%)
13C-155-HxCB		1480	2280	pg/L	64.7	(25%-150%)
13C-156-HxCB	C	2990	4560	pg/L	65.5	(25%-150%)
13C-157-HxCB	C156L					
13C-167-HxCB		1470	2280	pg/L	64.6	(25%-150%)
13C-169-HxCB		1480	2280	pg/L	64.7	(25%-150%)
13C-188-HpCB		1490	2280	pg/L	65.2	(25%-150%)
13C-189-HpCB		1480	2280	pg/L	64.9	(25%-150%)

**PCB Congeners
Certificate of Analysis
Sample Summary**

SDG Number: 2210315	Client: HALL001	Project: HALL00113
Lab Sample ID: 20534001	Date Collected: 10/05/2022 12:15	Matrix: WATER
Client Sample: 1668A Water	Date Received: 10/07/2022 09:47	
Client ID: 2210315-001J R6 North-20221005		Prep Basis: As Received
Batch ID: 51323	Method: EPA Method 1668A	
Run Date: 11/11/2022 21:11	Analyst: MLL	Instrument: HRP875
Data File: d08nov22a_7-9		Dilution: 1
Prep Batch: 51321	Prep Method: SW846 3520C	Prep SOP Ref: CF-OA-E-001
Prep Date: 02-NOV-22	Prep Aliquot: 876.4 mL	

CAS No.	Parmname	Qual	Result	Units	EDL	PQL	
Surrogate/Tracer recovery		Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-202-OcCB			1460	2280	pg/L	64.0	(25%-150%)
13C-205-OcCB			1780	2280	pg/L	78.1	(25%-150%)
13C-206-NoCB			1730	2280	pg/L	76.0	(25%-150%)
13C-208-NoCB			1670	2280	pg/L	73.1	(25%-150%)
13C-209-DeCB			1650	2280	pg/L	72.4	(25%-150%)
13C-28-TrCB			1610	2280	pg/L	70.7	(30%-135%)
13C-111-PeCB			1790	2280	pg/L	78.5	(30%-135%)
13C-178-HpCB			2090	2280	pg/L	91.6	(30%-135%)

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**PCB Congeners
Certificate of Analysis
Sample Summary**

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SDG Number: 2210315	Client: HALL001	Project: HALL00113
Lab Sample ID: 20534002	Date Collected: 10/06/2022 09:05	Matrix: WATER
Client Sample: 1668A Water	Date Received: 10/07/2022 09:47	
Client ID: 2210315-002J R6 South-20221006		Prep Basis: As Received
Batch ID: 51323	Method: EPA Method 1668A	
Run Date: 11/11/2022 22:21	Analyst: MLL	Instrument: HRP875
Data File: d08nov22a_7-10		Dilution: 1
Prep Batch: 51321	Prep Method: SW846 3520C	Prep SOP Ref: CF-OA-E-001
Prep Date: 02-NOV-22	Prep Aliquot: 952.9 mL	

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
2051-60-7	1-MoCB	U	ND	pg/L	6.23	105
2051-61-8	2-MoCB	U	ND	pg/L	7.85	105
2051-62-9	3-MoCB	U	ND	pg/L	5.33	105
13029-08-8	4-DiCB	U	ND	pg/L	12.7	105
16605-91-7	5-DiCB	U	ND	pg/L	11.7	105
25569-80-6	6-DiCB	U	ND	pg/L	8.73	105
33284-50-3	7-DiCB	U	ND	pg/L	8.69	105
34883-43-7	8-DiCB	U	ND	pg/L	7.60	105
34883-39-1	9-DiCB	U	ND	pg/L	11.2	105
33146-45-1	10-DiCB	U	ND	pg/L	6.40	105
2050-67-1	11-DiCB	J	86.7	pg/L	10.1	105
2974-92-7	12-DiCB	CU	ND	pg/L	9.42	210
2974-90-5	13-DiCB	C12				
34883-41-5	14-DiCB	U	ND	pg/L	9.49	105
2050-68-2	15-DiCB	U	ND	pg/L	15.0	105
38444-78-9	16-TrCB	U	ND	pg/L	4.32	105
37680-66-3	17-TrCB	U	ND	pg/L	5.18	105
37680-65-2	18-TrCB	CU	ND	pg/L	7.68	210
38444-73-4	19-TrCB	U	ND	pg/L	6.02	105
38444-84-7	20-TrCB	BCJ	16.7	pg/L	3.88	210
55702-46-0	21-TrCB	CU	ND	pg/L	6.86	210
38444-85-8	22-TrCB	U	ND	pg/L	6.59	105
55720-44-0	23-TrCB	U	ND	pg/L	3.59	105
55702-45-9	24-TrCB	U	ND	pg/L	4.76	105
55712-37-3	25-TrCB	U	ND	pg/L	3.21	105
38444-81-4	26-TrCB	CU	ND	pg/L	3.71	210
38444-76-7	27-TrCB	U	ND	pg/L	4.03	105
7012-37-5	28-TrCB	C20				
15862-07-4	29-TrCB	C26				
35693-92-6	30-TrCB	C18				
16606-02-3	31-TrCB	U	ND	pg/L	11.3	105
38444-77-8	32-TrCB	U	ND	pg/L	3.76	105

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**PCB Congeners
Certificate of Analysis
Sample Summary**

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SDG Number: 2210315	Client: HALL001	Project: HALL00113
Lab Sample ID: 20534002	Date Collected: 10/06/2022 09:05	Matrix: WATER
Client Sample: 1668A Water	Date Received: 10/07/2022 09:47	
Client ID: 2210315-002J R6 South -20221006		Prep Basis: As Received
Batch ID: 51323	Method: EPA Method 1668A	
Run Date: 11/11/2022 22:21	Analyst: MLL	Instrument: HRP875
Data File: d08nov22a_7-10		Dilution: 1
Prep Batch: 51321	Prep Method: SW846 3520C	Prep SOP Ref: CF-OA-E-001
Prep Date: 02-NOV-22	Prep Aliquot: 952.9 mL	

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
38444-86-9	33-TrCB	C21				
37680-68-5	34-TrCB	U	ND	pg/L	4.18	105
37680-69-6	35-TrCB	U	ND	pg/L	6.57	105
38444-87-0	36-TrCB	U	ND	pg/L	5.71	105
38444-90-5	37-TrCB	J	7.98	pg/L	5.81	105
53555-66-1	38-TrCB	U	ND	pg/L	6.44	105
38444-88-1	39-TrCB	U	ND	pg/L	6.55	105
38444-93-8	40-TeCB	CU	ND	pg/L	5.79	210
52663-59-9	41-TeCB	U	ND	pg/L	9.78	105
36559-22-5	42-TeCB	U	ND	pg/L	6.28	105
70362-46-8	43-TeCB	U	ND	pg/L	7.77	105
41464-39-5	44-TeCB	CJ	18.1	pg/L	6.07	315
70362-45-7	45-TeCB	CJ	5.08	pg/L	3.25	210
41464-47-5	46-TeCB	U	ND	pg/L	3.17	105
2437-79-8	47-TeCB	C44				
70362-47-9	48-TeCB	U	ND	pg/L	6.67	105
41464-40-8	49-TeCB	CU	ND	pg/L	7.70	210
62796-65-0	50-TeCB	CU	ND	pg/L	3.30	210
68194-04-7	51-TeCB	C45				
35693-99-3	52-TeCB	BJ	25.7	pg/L	7.26	210
41464-41-9	53-TeCB	C50				
15968-05-5	54-TeCB	U	ND	pg/L	2.14	105
74338-24-2	55-TeCB	U	ND	pg/L	3.69	105
41464-43-1	56-TeCB	J	8.37	pg/L	3.92	105
70424-67-8	57-TeCB	U	ND	pg/L	3.57	105
41464-49-7	58-TeCB	U	ND	pg/L	3.65	105
74472-33-6	59-TeCB	CU	ND	pg/L	5.00	315
33025-41-1	60-TeCB	U	ND	pg/L	4.01	105
33284-53-6	61-TeCB	CU	ND	pg/L	33.6	420
54230-22-7	62-TeCB	C59				
74472-34-7	63-TeCB	U	ND	pg/L	3.63	105
52663-58-8	64-TeCB	J	8.08	pg/L	4.85	105

Comments:

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**PCB Congeners
Certificate of Analysis
Sample Summary**

Page 3 of 8

SDG Number: 2210315	Client: HALL001	Project: HALL00113
Lab Sample ID: 20534002	Date Collected: 10/06/2022 09:05	Matrix: WATER
Client Sample: 1668A Water	Date Received: 10/07/2022 09:47	
Client ID: 2210315-002J R6 South-20221006		Prep Basis: As Received
Batch ID: 51323	Method: EPA Method 1668A	
Run Date: 11/11/2022 22:21	Analyst: MLL	Instrument: HRP875
Data File: d08nov22a_7-10		Dilution: 1
Prep Batch: 51321	Prep Method: SW846 3520C	Prep SOP Ref: CF-OA-E-001
Prep Date: 02-NOV-22	Prep Aliquot: 952.9 mL	

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
33284-54-7	65-TeCB	C44				
32598-10-0	66-TeCB	J	12.8	pg/L	3.88	105
73575-53-8	67-TeCB	U	ND	pg/L	3.04	105
73575-52-7	68-TeCB	U	ND	pg/L	3.32	105
60233-24-1	69-TeCB	C49				
32598-11-1	70-TeCB	C61				
41464-46-4	71-TeCB	C40				
41464-42-0	72-TeCB	U	ND	pg/L	3.59	105
74338-23-1	73-TeCB	U	ND	pg/L	4.62	105
32690-93-0	74-TeCB	C61				
32598-12-2	75-TeCB	C59				
70362-48-0	76-TeCB	C61				
32598-13-3	77-TeCB	J	4.11	pg/L	3.80	105
70362-49-1	78-TeCB	U	ND	pg/L	4.49	105
41464-48-6	79-TeCB	U	ND	pg/L	3.46	105
33284-52-5	80-TeCB	U	ND	pg/L	3.27	105
70362-50-4	81-TeCB	U	ND	pg/L	3.51	105
52663-62-4	82-PeCB	U	ND	pg/L	7.64	105
60145-20-2	83-PeCB	U	ND	pg/L	8.73	105
52663-60-2	84-PeCB	J	9.00	pg/L	6.46	105
65510-45-4	85-PeCB	CJ	8.56	pg/L	5.39	315
55312-69-1	86-PeCB	BCJ	35.2	pg/L	5.48	630
38380-02-8	87-PeCB	C86				
55215-17-3	88-PeCB	CU	ND	pg/L	6.53	210
73575-57-2	89-PeCB	U	ND	pg/L	7.49	105
68194-07-0	90-PeCB	CJ	48.3	pg/L	5.56	315
68194-05-8	91-PeCB	C88				
52663-61-3	92-PeCB	J	8.54	pg/L	7.20	105
73575-56-1	93-PeCB	CU	ND	pg/L	5.98	210
73575-55-0	94-PeCB	U	ND	pg/L	6.09	105
38379-99-6	95-PeCB	J	37.5	pg/L	6.76	105
73575-54-9	96-PeCB	U	ND	pg/L	2.92	105

Comments:

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PCB Congeners
Certificate of Analysis
Sample Summary

Page 4 of 8

SDG Number: 2210315	Client: HALL001	Project: HALL00113
Lab Sample ID: 20534002	Date Collected: 10/06/2022 09:05	Matrix: WATER
Client Sample: 1668A Water	Date Received: 10/07/2022 09:47	
Client ID: 2210315-002J R6 South-20221006		Prep Basis: As Received
Batch ID: 51323	Method: EPA Method 1668A	
Run Date: 11/11/2022 22:21	Analyst: MLL	Instrument: HRP875
Data File: d08nov22a_7-10		Dilution: 1
Prep Batch: 51321	Prep Method: SW846 3520C	Prep SOP Ref: CF-OA-E-001
Prep Date: 02-NOV-22	Prep Aliquot: 952.9 mL	

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
41464-51-1	97-PeCB	C86				
60233-25-2	98-PeCB	CU	ND	pg/L	5.83	210
38380-01-7	99-PeCB	J	14.9	pg/L	5.77	105
39485-83-1	100-PeCB	C93				
37680-73-2	101-PeCB	C90				
68194-06-9	102-PeCB	C98				
60145-21-3	103-PeCB	U	ND	pg/L	6.15	105
56558-16-8	104-PeCB	U	ND	pg/L	2.27	105
32598-14-4	105-PeCB	J	16.5	pg/L	4.47	105
70424-69-0	106-PeCB	U	ND	pg/L	4.83	105
70424-68-9	107-PeCB	U	ND	pg/L	4.30	105
70362-41-3	108-PeCB	CU	ND	pg/L	4.91	210
74472-35-8	109-PeCB	C86				
38380-03-9	110-PeCB	CJ	59.8	pg/L	5.02	210
39635-32-0	111-PeCB	U	ND	pg/L	4.76	105
74472-36-9	112-PeCB	U	ND	pg/L	4.32	105
68194-10-5	113-PeCB	C90				
74472-37-0	114-PeCB	U	ND	pg/L	4.37	105
74472-38-1	115-PeCB	C110				
18259-05-7	116-PeCB	C85				
68194-11-6	117-PeCB	C85				
31508-00-6	118-PeCB	BJ	43.2	pg/L	4.64	105
56558-17-9	119-PeCB	C86				
68194-12-7	120-PeCB	U	ND	pg/L	5.06	105
56558-18-0	121-PeCB	U	ND	pg/L	4.53	105
76842-07-4	122-PeCB	U	ND	pg/L	6.28	105
65510-44-3	123-PeCB	U	ND	pg/L	4.03	105
70424-70-3	124-PeCB	C108				
74472-39-2	125-PeCB	C86				
57465-28-8	126-PeCB	U	ND	pg/L	5.10	105
39635-33-1	127-PeCB	U	ND	pg/L	5.23	105
38380-07-3	128-HxCB	CJ	14.2	pg/L	7.35	210

Comments:

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J Value is estimated
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**PCB Congeners
Certificate of Analysis
Sample Summary**

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SDG Number: 2210315
 Lab Sample ID: 20534002
 Client Sample: 1668A Water
 Client ID: 2210315-002J R6 South-20221006
 Batch ID: 51323
 Run Date: 11/11/2022 22:21
 Data File: d08nov22a_7-10
 Prep Batch: 51321
 Prep Date: 02-NOV-22

Client: HALL001
 Date Collected: 10/06/2022 09:05
 Date Received: 10/07/2022 09:47
 Method: EPA Method 1668A
 Analyst: MLL
 Prep Method: SW846 3520C
 Prep Aliquot: 952.9 mL

Project: HALL00113
 Matrix: WATER
 Prep Basis: As Received
 Instrument: HRP875
 Dilution: 1
 Prep SOP Ref: CF-OA-E-001

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
55215-18-4	129-HxCB	CJ	116	pg/L	8.00	315
52663-66-8	130-HxCB	U	ND	pg/L	9.23	105
61798-70-7	131-HxCB	U	ND	pg/L	9.15	105
38380-05-1	132-HxCB	J	30.4	pg/L	8.56	105
35694-04-3	133-HxCB	U	ND	pg/L	8.77	105
52704-70-8	134-HxCB	U	ND	pg/L	9.63	105
52744-13-5	135-HxCB	CJ	33.3	pg/L	4.64	210
38411-22-2	136-HxCB	J	10.7	pg/L	3.36	105
35694-06-5	137-HxCB	U	ND	pg/L	8.92	105
35065-28-2	138-HxCB	C129				
56030-56-9	139-HxCB	CU	ND	pg/L	7.49	210
59291-64-4	140-HxCB	C139				
52712-04-6	141-HxCB	J	20.9	pg/L	7.56	105
41411-61-4	142-HxCB	U	ND	pg/L	9.09	105
68194-15-0	143-HxCB	U	ND	pg/L	8.52	105
68194-14-9	144-HxCB	J	6.00	pg/L	4.55	105
74472-40-5	145-HxCB	U	ND	pg/L	3.19	105
51908-16-8	146-HxCB	U	ND	pg/L	13.1	105
68194-13-8	147-HxCB	CJ	68.6	pg/L	7.24	210
74472-41-6	148-HxCB	U	ND	pg/L	4.37	105
38380-04-0	149-HxCB	C147				
68194-08-1	150-HxCB	U	ND	pg/L	2.98	105
52663-63-5	151-HxCB	C135				
68194-09-2	152-HxCB	U	ND	pg/L	3.30	105
35065-27-1	153-HxCB	CJ	85.4	pg/L	6.67	210
60145-22-4	154-HxCB	U	ND	pg/L	3.61	105
33979-03-2	155-HxCB	U	ND	pg/L	2.67	105
38380-08-4	156-HxCB	CU	ND	pg/L	10.9	210
69782-90-7	157-HxCB	C156				
74472-42-7	158-HxCB	U	ND	pg/L	10.8	105
39635-35-3	159-HxCB	U	ND	pg/L	4.16	105
41411-62-5	160-HxCB	U	ND	pg/L	6.78	105

Comments:

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**PCB Congeners
Certificate of Analysis
Sample Summary**

Page 6 of 8

SDG Number: 2210315
 Lab Sample ID: 20534002
 Client Sample: 1668A Water
 Client ID: 2210315-002J R6 South-20221006
 Batch ID: 51323
 Run Date: 11/11/2022 22:21
 Data File: d08nov22a_7-10
 Prep Batch: 51321
 Prep Date: 02-NOV-22

Client: HALL001
 Date Collected: 10/06/2022 09:05
 Date Received: 10/07/2022 09:47
 Method: EPA Method 1668A
 Analyst: MLL
 Prep Method: SW846 3520C
 Prep Aliquot: 952.9 mL

Project: HALL00113
 Matrix: WATER
 Prep Basis: As Received
 Instrument: HRP875
 Dilution: 1
 Prep SOP Ref: CF-OA-E-001

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
74472-43-8	161-HxCB	U	ND	pg/L	6.11	105
39635-34-2	162-HxCB	U	ND	pg/L	4.13	105
74472-44-9	163-HxCB	C129				
74472-45-0	164-HxCB	U	ND	pg/L	6.00	105
74472-46-1	165-HxCB	U	ND	pg/L	6.78	105
41411-63-6	166-HxCB	C128				
52663-72-6	167-HxCB	J	4.22	pg/L	3.65	105
59291-65-5	168-HxCB	C153				
32774-16-6	169-HxCB	U	ND	pg/L	4.37	105
35065-30-6	170-HpCB	J	32.8	pg/L	3.86	105
52663-71-5	171-HpCB	CU	ND	pg/L	10.5	210
52663-74-8	172-HpCB	J	6.23	pg/L	3.84	105
68194-16-1	173-HpCB	C171				
38411-25-5	174-HpCB	J	27.2	pg/L	3.38	105
40186-70-7	175-HpCB	U	ND	pg/L	3.40	105
52663-65-7	176-HpCB	U	ND	pg/L	3.74	105
52663-70-4	177-HpCB	U	ND	pg/L	18.2	105
52663-67-9	178-HpCB	U	ND	pg/L	8.50	105
52663-64-6	179-HpCB	J	12.2	pg/L	2.52	105
35065-29-3	180-HpCB	CJ	63.2	pg/L	3.09	210
74472-47-2	181-HpCB	U	ND	pg/L	3.63	105
60145-23-5	182-HpCB	U	ND	pg/L	3.27	105
52663-69-1	183-HpCB	CJ	19.3	pg/L	3.44	210
74472-48-3	184-HpCB	U	ND	pg/L	2.48	105
52712-05-7	185-HpCB	C183				
74472-49-4	186-HpCB	U	ND	pg/L	2.64	105
52663-68-0	187-HpCB	J	33.5	pg/L	3.25	105
74487-85-7	188-HpCB	U	ND	pg/L	2.35	105
39635-31-9	189-HpCB	J	3.21	pg/L	3.04	105
41411-64-7	190-HpCB	J	6.07	pg/L	3.00	105
74472-50-7	191-HpCB	U	ND	pg/L	2.79	105
74472-51-8	192-HpCB	U	ND	pg/L	3.13	105

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PCB Congeners
Certificate of Analysis
Sample Summary

Page 7 of 8

SDG Number: 2210315
Lab Sample ID: 20534002
Client Sample: 1668A Water
Client ID: 2210315-002J R6 South-20221006
Batch ID: 51323
Run Date: 11/11/2022 22:21
Data File: d08nov22a_7-10
Prep Batch: 51321
Prep Date: 02-NOV-22

Client: HALL001
Date Collected: 10/06/2022 09:05
Date Received: 10/07/2022 09:47
Method: EPA Method 1668A
Analyst: MLL
Prep Method: SW846 3520C
Prep Aliquot: 952.9 mL

Project: HALL00113
Matrix: WATER
Prep Basis: As Received
Instrument: HRP875
Dilution: 1
Prep SOP Ref: CF-OA-E-001

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
69782-91-8	193-HpCB	C180				
35694-08-7	194-OcCB	J	16.7	pg/L	3.15	105
52663-78-2	195-OcCB	U	ND	pg/L	6.67	105
42740-50-1	196-OcCB	U	ND	pg/L	8.71	105
33091-17-7	197-OcCB	CU	ND	pg/L	3.97	210
68194-17-2	198-OcCB	CU	ND	pg/L	16.3	210
52663-75-9	199-OcCB	C198				
52663-73-7	200-OcCB	C197				
40186-71-8	201-OcCB	U	ND	pg/L	2.92	105
2136-99-4	202-OcCB	U	ND	pg/L	3.61	105
52663-76-0	203-OcCB	J	9.93	pg/L	4.20	105
74472-52-9	204-OcCB	U	ND	pg/L	3.00	105
74472-53-0	205-OcCB	U	ND	pg/L	2.22	105
40186-72-9	206-NoCB	J	8.02	pg/L	3.82	105
52663-79-3	207-NoCB	U	ND	pg/L	2.85	105
52663-77-1	208-NoCB	U	ND	pg/L	2.98	105
2051-24-3	209-DeCB	U	ND	pg/L	5.18	105
1336-36-3	Total PCB Congeners	J	1100	pg/L		105

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-1-MoCB		886	2100	pg/L	42.2	(15%-150%)
13C-3-MoCB		1020	2100	pg/L	48.7	(15%-150%)
13C-4-DiCB		1130	2100	pg/L	53.8	(25%-150%)
13C-15-DiCB		1550	2100	pg/L	73.8	(25%-150%)
13C-19-TrCB		1330	2100	pg/L	63.5	(25%-150%)
13C-37-TrCB		1380	2100	pg/L	65.7	(25%-150%)
13C-54-TeCB		1390	2100	pg/L	66.4	(25%-150%)
13C-77-TeCB		1680	2100	pg/L	79.8	(25%-150%)
13C-81-TeCB		1770	2100	pg/L	84.2	(25%-150%)
13C-104-PeCB		1260	2100	pg/L	60.2	(25%-150%)
13C-105-PeCB		1460	2100	pg/L	69.7	(25%-150%)
13C-114-PeCB		1400	2100	pg/L	66.6	(25%-150%)
13C-118-PeCB		1310	2100	pg/L	62.5	(25%-150%)
13C-123-PeCB		1510	2100	pg/L	71.8	(25%-150%)
13C-126-PeCB		1520	2100	pg/L	72.5	(25%-150%)
13C-155-HxCB		1270	2100	pg/L	60.3	(25%-150%)
13C-156-HxCB	C	2670	4200	pg/L	63.5	(25%-150%)
13C-157-HxCB	C156L					
13C-167-HxCB		1310	2100	pg/L	62.3	(25%-150%)
13C-169-HxCB		1300	2100	pg/L	62.1	(25%-150%)
13C-188-HpCB		1280	2100	pg/L	61.1	(25%-150%)
13C-189-HpCB		1330	2100	pg/L	63.3	(25%-150%)

**PCB Congeners
Certificate of Analysis
Sample Summary**

SDG Number: 2210315	Client: HALL001	Project: HALL00113
Lab Sample ID: 20534002	Date Collected: 10/06/2022 09:05	Matrix: WATER
Client Sample: 1668A Water	Date Received: 10/07/2022 09:47	
Client ID: 2210315-002J R6 South-20221006		Prep Basis: As Received
Batch ID: 51323	Method: EPA Method 1668A	
Run Date: 11/11/2022 22:21	Analyst: MLL	Instrument: HRP875
Data File: d08nov22a_7-10		Dilution: 1
Prep Batch: 51321	Prep Method: SW846 3520C	Prep SOP Ref: CF-OA-E-001
Prep Date: 02-NOV-22	Prep Aliquot: 952.9 mL	

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
Surrogate/Tracer recovery						
		Qual	Result	Nominal	Units	Recovery%
						Acceptable Limits
13C-202-OcCB			1260	2100	pg/L	60.1 (25%-150%)
13C-205-OcCB			1590	2100	pg/L	75.6 (25%-150%)
13C-206-NoCB			1610	2100	pg/L	76.8 (25%-150%)
13C-208-NoCB			1420	2100	pg/L	67.8 (25%-150%)
13C-209-DeCB			1590	2100	pg/L	75.8 (25%-150%)
13C-28-TrCB			1570	2100	pg/L	75.0 (30%-135%)
13C-111-PeCB			1650	2100	pg/L	78.5 (30%-135%)
13C-178-HpCB			1800	2100	pg/L	85.9 (30%-135%)

Comments:

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- J** Value is estimated
- U** Analyte was analyzed for, but not detected above the specified detection limit.

Quality Control Summary

PCB Congeners
Surrogate Recovery Report

SDG Number: 2210315

Matrix Type: LIQUID

Sample ID	Client ID	Surrogate	QUAL	Recovery (%)	Acceptance Limits
12033077	LCS for batch 51321	13C-1-MoCB		37.9	(15%-140%)
		13C-3-MoCB		43.8	(15%-140%)
		13C-4-DiCB		43.3	(30%-140%)
		13C-15-DiCB		65.1	(30%-140%)
		13C-19-TrCB		53.6	(30%-140%)
		13C-37-TrCB		61.0	(30%-140%)
		13C-54-TeCB		51.6	(30%-140%)
		13C-77-TeCB		64.6	(30%-140%)
		13C-81-TeCB		66.8	(30%-140%)
		13C-104-PeCB		60.0	(30%-140%)
		13C-105-PeCB		57.4	(30%-140%)
		13C-114-PeCB		56.9	(30%-140%)
		13C-118-PeCB		50.5	(30%-140%)
		13C-123-PeCB		58.0	(30%-140%)
		13C-126-PeCB		65.6	(30%-140%)
		13C-155-HxCB		57.6	(30%-140%)
		13C-156-HxCB	C	65.3	(30%-140%)
		13C-157-HxCB	C156L		
		13C-167-HxCB		65.4	(30%-140%)
		13C-169-HxCB		67.8	(30%-140%)
		13C-188-HpCB		56.5	(30%-140%)
		13C-189-HpCB		58.4	(30%-140%)
		13C-202-OcCB		61.1	(30%-140%)
		13C-205-OcCB		70.3	(30%-140%)
		13C-206-NoCB		69.1	(30%-140%)
		13C-208-NoCB		57.7	(30%-140%)
		13C-209-DeCB		68.4	(30%-140%)
		13C-28-TrCB		61.0	(40%-125%)
13C-111-PeCB		64.1	(40%-125%)		
13C-178-HpCB		73.2	(40%-125%)		
12033078	LCSD for batch 51321	13C-1-MoCB		27.2	(15%-140%)
		13C-3-MoCB		31.8	(15%-140%)
		13C-4-DiCB		32.8	(30%-140%)
		13C-15-DiCB		44.8	(30%-140%)
		13C-19-TrCB		41.9	(30%-140%)
		13C-37-TrCB		37.6	(30%-140%)
		13C-54-TeCB		37.5	(30%-140%)
		13C-77-TeCB		41.3	(30%-140%)
		13C-81-TeCB		43.7	(30%-140%)
		13C-104-PeCB		44.2	(30%-140%)
		13C-105-PeCB		43.2	(30%-140%)
		13C-114-PeCB		42.1	(30%-140%)
		13C-118-PeCB		38.2	(30%-140%)
		13C-123-PeCB		44.0	(30%-140%)
		13C-126-PeCB		42.9	(30%-140%)
		13C-155-HxCB		38.2	(30%-140%)
		13C-156-HxCB	C	41.2	(30%-140%)
		13C-157-HxCB	C156L		
		13C-167-HxCB		41.8	(30%-140%)
		13C-169-HxCB		41.8	(30%-140%)
13C-188-HpCB		39.7	(30%-140%)		
13C-189-HpCB		40.8	(30%-140%)		

PCB Congeners
Surrogate Recovery Report

SDG Number: 2210315

Matrix Type: LIQUID

Sample ID	Client ID	Surrogate	QUAL	Recovery (%)	Acceptance Limits
12033078	LCSD for batch 51321	13C-202-OcCB		39.0	(30%-140%)
		13C-205-OcCB		47.6	(30%-140%)
		13C-206-NoCB		46.5	(30%-140%)
		13C-208-NoCB		40.6	(30%-140%)
		13C-209-DeCB		46.0	(30%-140%)
		13C-28-TrCB		54.9	(40%-125%)
		13C-111-PeCB		61.1	(40%-125%)
		13C-178-HpCB		63.3	(40%-125%)
12033076	MB for batch 51321	13C-1-MoCB		33.3	(15%-150%)
		13C-3-MoCB		38.0	(15%-150%)
		13C-4-DiCB		38.1	(25%-150%)
		13C-15-DiCB		50.4	(25%-150%)
		13C-19-TrCB		45.8	(25%-150%)
		13C-37-TrCB		48.2	(25%-150%)
		13C-54-TeCB		43.6	(25%-150%)
		13C-77-TeCB		56.2	(25%-150%)
		13C-81-TeCB		60.0	(25%-150%)
		13C-104-PeCB		46.6	(25%-150%)
		13C-105-PeCB		48.6	(25%-150%)
		13C-114-PeCB		48.2	(25%-150%)
		13C-118-PeCB		44.1	(25%-150%)
		13C-123-PeCB		50.5	(25%-150%)
		13C-126-PeCB		50.6	(25%-150%)
		13C-155-HxCB		49.8	(25%-150%)
		13C-156-HxCB		56.2	(25%-150%)
		13C-157-HxCB	C		
		13C-167-HxCB	C156L	55.7	(25%-150%)
		13C-169-HxCB		57.1	(25%-150%)
		13C-188-HpCB		49.5	(25%-150%)
		13C-189-HpCB		51.5	(25%-150%)
		13C-202-OcCB		51.8	(25%-150%)
13C-205-OcCB		58.6	(25%-150%)		
13C-206-NoCB		57.5	(25%-150%)		
13C-208-NoCB		51.4	(25%-150%)		
13C-209-DeCB		57.7	(25%-150%)		
13C-28-TrCB		51.9	(30%-135%)		
13C-111-PeCB		55.2	(30%-135%)		
13C-178-HpCB		62.0	(30%-135%)		
20534001	2210315-001J R6 North-20221005	13C-1-MoCB		39.3	(15%-150%)
		13C-3-MoCB		45.7	(15%-150%)
		13C-4-DiCB		48.0	(25%-150%)
		13C-15-DiCB		72.2	(25%-150%)
		13C-19-TrCB		61.0	(25%-150%)
		13C-37-TrCB		63.6	(25%-150%)
		13C-54-TeCB		62.6	(25%-150%)
		13C-77-TeCB		80.8	(25%-150%)
		13C-81-TeCB		83.2	(25%-150%)
		13C-104-PeCB		57.7	(25%-150%)
		13C-105-PeCB		64.7	(25%-150%)
		13C-114-PeCB		64.4	(25%-150%)
		13C-118-PeCB		60.1	(25%-150%)

PCB Congeners
Surrogate Recovery Report

SDG Number: 2210315

Matrix Type: LIQUID

Sample ID	Client ID	Surrogate	QUAL	Recovery (%)	Acceptance Limits	
20534001	2210315-001J R6 North-20221005	13C-123-PeCB		69.5	(25%-150%)	
		13C-126-PeCB		66.9	(25%-150%)	
		13C-155-HxCB		64.7	(25%-150%)	
		13C-156-HxCB	C	65.5	(25%-150%)	
		13C-157-HxCB	C156L			
		13C-167-HxCB		64.6	(25%-150%)	
		13C-169-HxCB		64.7	(25%-150%)	
		13C-188-HpCB		65.2	(25%-150%)	
		13C-189-HpCB		64.9	(25%-150%)	
		13C-202-OcCB		64.0	(25%-150%)	
		13C-205-OcCB		78.1	(25%-150%)	
		13C-206-NoCB		76.0	(25%-150%)	
		13C-208-NoCB		73.1	(25%-150%)	
		13C-209-DeCB		72.4	(25%-150%)	
		13C-28-TrCB		70.7	(30%-135%)	
		13C-111-PeCB		78.5	(30%-135%)	
		13C-178-HpCB		91.6	(30%-135%)	
20534002	2210315-002J R6 South-20221006	13C-1-MoCB		42.2	(15%-150%)	
		13C-3-MoCB		48.7	(15%-150%)	
		13C-4-DiCB		53.8	(25%-150%)	
		13C-15-DiCB		73.8	(25%-150%)	
		13C-19-TrCB		63.5	(25%-150%)	
		13C-37-TrCB		65.7	(25%-150%)	
		13C-54-TeCB		66.4	(25%-150%)	
		13C-77-TeCB		79.8	(25%-150%)	
		13C-81-TeCB		84.2	(25%-150%)	
		13C-104-PeCB		60.2	(25%-150%)	
		13C-105-PeCB		69.7	(25%-150%)	
		13C-114-PeCB		66.6	(25%-150%)	
		13C-118-PeCB		62.5	(25%-150%)	
		13C-123-PeCB		71.8	(25%-150%)	
		13C-126-PeCB		72.5	(25%-150%)	
		13C-155-HxCB		60.3	(25%-150%)	
		13C-156-HxCB	C	63.5	(25%-150%)	
		13C-157-HxCB	C156L			
		13C-167-HxCB		62.3	(25%-150%)	
		13C-169-HxCB		62.1	(25%-150%)	
		13C-188-HpCB		61.1	(25%-150%)	
		13C-189-HpCB		63.3	(25%-150%)	
		13C-202-OcCB		60.1	(25%-150%)	
		13C-205-OcCB		75.6	(25%-150%)	
		13C-206-NoCB		76.8	(25%-150%)	
13C-208-NoCB		67.8	(25%-150%)			
13C-209-DeCB		75.8	(25%-150%)			
13C-28-TrCB		75.0	(30%-135%)			
13C-111-PeCB		78.5	(30%-135%)			
13C-178-HpCB		85.9	(30%-135%)			

* Recovery outside Acceptance Limits

Column to be used to flag recovery values

D Sample Diluted

PCB Congeners
Quality Control Summary
Spike Recovery Report

SDG Number: 2210315
Client ID: LCS for batch 51321
Lab Sample ID: 12033077
Instrument: HRP875
Analyst: MLL

Sample Type: Laboratory Control Sample
Matrix: WATER
Analysis Date: 11/10/2022 12:14
Prep Batch ID: 51321
Batch ID: 51323

Dilution: 1

CAS No.	Parmname	Amount Added pg/L	Spike Conc. pg/L	Recovery %	Acceptance Limits
2051-60-7	LCS 1-MoCB	500	490	98.1	50-150
2051-62-9	LCS 3-MoCB	500	498	99.6	50-150
13029-08-8	LCS 4-DiCB	500	462	92.3	50-150
2050-68-2	LCS 15-DiCB	500	513	103	50-150
38444-73-4	LCS 19-TrCB	500	513	103	50-150
38444-90-5	LCS 37-TrCB	500	483	96.6	50-150
15968-05-5	LCS 54-TeCB	1000	1020	102	50-150
32598-13-3	LCS 77-TeCB	1000	977	97.7	50-150
70362-50-4	LCS 81-TeCB	1000	826	82.6	50-150
56558-16-8	LCS 104-PeCB	1000	1010	101	50-150
32598-14-4	LCS 105-PeCB	1000	924	92.4	50-150
74472-37-0	LCS 114-PeCB	1000	1040	104	50-150
31508-00-6	LCS 118-PeCB	1000	1110	111	50-150
65510-44-3	LCS 123-PeCB	1000	926	92.6	50-150
57465-28-8	LCS 126-PeCB	1000	993	99.3	50-150
33979-03-2	LCS 155-HxCB	1000	1000	100	50-150
38380-08-4	LCS 156-HxCB	2000	C 1980	98.9	50-150
69782-90-7	LCS 157-HxCB		C156		
52663-72-6	LCS 167-HxCB	1000	1000	100	50-150
32774-16-6	LCS 169-HxCB	1000	967	96.7	50-150
74487-85-7	LCS 188-HpCB	1000	997	99.7	50-150
39635-31-9	LCS 189-HpCB	1000	1010	101	50-150
2136-99-4	LCS 202-OcCB	1500	1620	108	50-150
74472-53-0	LCS 205-OcCB	1500	1450	96.4	50-150
40186-72-9	LCS 206-NoCB	1500	1490	99.3	50-150
52663-77-1	LCS 208-NoCB	1500	1590	106	50-150
2051-24-3	LCS 209-DeCB	1500	1430	95.4	50-150

PCB Congeners
Quality Control Summary
Spike Recovery Report

SDG Number: 2210315 **Sample Type:** Laboratory Control Sample Duplicate
Client ID: LCSD for batch 51321 **Matrix:** WATER
Lab Sample ID: 12033078
Instrument: HRP875 **Analysis Date:** 11/10/2022 13:23 **Dilution:** 1
Analyst: MLL **Prep Batch ID:** 51321
Batch ID: 51323

CAS No.	Parmname	Amount Added pg/L	Spike Conc. pg/L	Recovery %	Acceptance Limits	RPD %	Acceptance Limits
2051-60-7	LCSD 1-MoCB	500	443	88.5	50-150	10.2	0-20
2051-62-9	LCSD 3-MoCB	500	480	96	50-150	3.66	0-20
13029-08-8	LCSD 4-DiCB	500	425	85	50-150	8.22	0-20
2050-68-2	LCSD 15-DiCB	500	471	94.3	50-150	8.51	0-20
38444-73-4	LCSD 19-TrCB	500	473	94.5	50-150	8.26	0-20
38444-90-5	LCSD 37-TrCB	500	456	91.2	50-150	5.67	0-20
15968-05-5	LCSD 54-TeCB	1000	988	98.8	50-150	3.41	0-20
32598-13-3	LCSD 77-TeCB	1000	901	90.1	50-150	8.10	0-20
70362-50-4	LCSD 81-TeCB	1000	769	76.9	50-150	7.23	0-20
56558-16-8	LCSD 104-PeCB	1000	953	95.3	50-150	5.83	0-20
32598-14-4	LCSD 105-PeCB	1000	847	84.7	50-150	8.71	0-20
74472-37-0	LCSD 114-PeCB	1000	985	98.5	50-150	5.75	0-20
31508-00-6	LCSD 118-PeCB	1000	1010	101	50-150	9.72	0-20
65510-44-3	LCSD 123-PeCB	1000	818	81.8	50-150	12.3	0-20
57465-28-8	LCSD 126-PeCB	1000	947	94.7	50-150	4.74	0-20
33979-03-2	LCSD 155-HxCB	1000	941	94.1	50-150	6.09	0-20
38380-08-4	LCSD 156-HxCB	2000	1830	91.4	50-150	7.91	0-20
69782-90-7	LCSD 157-HxCB		C156				
52663-72-6	LCSD 167-HxCB	1000	933	93.3	50-150	7.24	0-20
32774-16-6	LCSD 169-HxCB	1000	907	90.7	50-150	6.37	0-20
74487-85-7	LCSD 188-HpCB	1000	909	90.9	50-150	9.26	0-20
39635-31-9	LCSD 189-HpCB	1000	895	89.5	50-150	12.1	0-20
2136-99-4	LCSD 202-OcCB	1500	1510	100	50-150	7.05	0-20
74472-53-0	LCSD 205-OcCB	1500	1340	89.4	50-150	7.52	0-20
40186-72-9	LCSD 206-NoCB	1500	1420	94.8	50-150	4.66	0-20
52663-77-1	LCSD 208-NoCB	1500	1530	102	50-150	4.20	0-20
2051-24-3	LCSD 209-DeCB	1500	1330	88.7	50-150	7.30	0-20

Method Blank Summary

Page 1 of 1

SDG Number: 2210315
Client ID: MB for batch 51321
Lab Sample ID: 12033076
Column:

Client: HALL001
Instrument ID: HRP875
Prep Date: 02-NOV-22

Matrix: WATER
Data File: d08nov22a_5-3
Analyzed: 11/10/22 14:33

This method blank applies to the following samples and quality control samples:

Client Sample ID	Lab Sample ID	File ID	Date Analyzed	Time Analyzed
01 LCS for batch 51321	12033077	d08nov22a_5-1	11/10/22	1214
02 LCSD for batch 51321	12033078	d08nov22a_5-2	11/10/22	1323
03 2210315-001J R6 North-20221005	20534001	d08nov22a_7-9	11/11/22	2111
04 2210315-002J R6 South-20221006	20534002	d08nov22a_7-10	11/11/22	2221

**PCB Congeners
Certificate of Analysis
Sample Summary**

Page 1 of 8

SDG Number: 2210315	Client: HALL001	Project: HALL00113
Lab Sample ID: 12033076		Matrix: WATER
Client Sample: QC for batch 51321		
Client ID: MB for batch 51321		Prep Basis: As Received
Batch ID: 51323	Method: EPA Method 1668A	
Run Date: 11/10/2022 14:33	Analyst: MLL	Instrument: HRP875
Data File: d08nov22a_5-3		Dilution: 1
Prep Batch: 51321	Prep Method: SW846 3520C	Prep SOP Ref: CF-OA-E-001
Prep Date: 02-NOV-22	Prep Aliquot: 1000 mL	

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
2051-60-7	1-MoCB	U	ND	pg/L	4.24	100
2051-61-8	2-MoCB	U	ND	pg/L	4.84	100
2051-62-9	3-MoCB	U	ND	pg/L	3.80	100
13029-08-8	4-DiCB	U	ND	pg/L	11.4	100
16605-91-7	5-DiCB	U	ND	pg/L	9.04	100
25569-80-6	6-DiCB	U	ND	pg/L	7.52	100
33284-50-3	7-DiCB	U	ND	pg/L	7.66	100
34883-43-7	8-DiCB	U	ND	pg/L	6.54	100
34883-39-1	9-DiCB	U	ND	pg/L	8.86	100
33146-45-1	10-DiCB	U	ND	pg/L	6.40	100
2050-67-1	11-DiCB	U	ND	pg/L	58.1	100
2974-92-7	12-DiCB	CU	ND	pg/L	7.68	200
2974-90-5	13-DiCB	C12				
34883-41-5	14-DiCB	U	ND	pg/L	7.86	100
2050-68-2	15-DiCB	U	ND	pg/L	6.96	100
38444-78-9	16-TrCB	U	ND	pg/L	5.24	100
37680-66-3	17-TrCB	U	ND	pg/L	5.26	100
37680-65-2	18-TrCB	CU	ND	pg/L	4.46	200
38444-73-4	19-TrCB	U	ND	pg/L	5.52	100
38444-84-7	20-TrCB	CJ	5.80	pg/L	3.66	200
55702-46-0	21-TrCB	CU	ND	pg/L	3.52	200
38444-85-8	22-TrCB	U	ND	pg/L	3.82	100
55720-44-0	23-TrCB	U	ND	pg/L	3.82	100
55702-45-9	24-TrCB	U	ND	pg/L	4.22	100
55712-37-3	25-TrCB	U	ND	pg/L	3.36	100
38444-81-4	26-TrCB	CU	ND	pg/L	3.82	200
38444-76-7	27-TrCB	U	ND	pg/L	4.04	100
7012-37-5	28-TrCB	C20				
15862-07-4	29-TrCB	C26				
35693-92-6	30-TrCB	C18				
16606-02-3	31-TrCB	U	ND	pg/L	3.52	100
38444-77-8	32-TrCB	U	ND	pg/L	3.68	100

Comments:

- C** Congener has coeluters. When Cxxx, refer to congener number xxx for data
- J** Value is estimated
- U** Analyte was analyzed for, but not detected above the specified detection limit.

**PCB Congeners
Certificate of Analysis
Sample Summary**

Page 2 of 8

SDG Number: 2210315	Client: HALL001	Project: HALL00113
Lab Sample ID: 12033076		Matrix: WATER
Client Sample: QC for batch 51321		
Client ID: MB for batch 51321		Prep Basis: As Received
Batch ID: 51323	Method: EPA Method 1668A	
Run Date: 11/10/2022 14:33	Analyst: MLL	Instrument: HRP875
Data File: d08nov22a_5-3		Dilution: 1
Prep Batch: 51321	Prep Method: SW846 3520C	Prep SOP Ref: CF-OA-E-001
Prep Date: 02-NOV-22	Prep Aliquot: 1000 mL	

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
38444-86-9	33-TrCB	C21				
37680-68-5	34-TrCB	U	ND	pg/L	4.14	100
37680-69-6	35-TrCB	U	ND	pg/L	5.24	100
38444-87-0	36-TrCB	U	ND	pg/L	4.62	100
38444-90-5	37-TrCB	U	ND	pg/L	4.66	100
53555-66-1	38-TrCB	U	ND	pg/L	5.26	100
38444-88-1	39-TrCB	U	ND	pg/L	5.12	100
38444-93-8	40-TeCB	CU	ND	pg/L	4.88	200
52663-59-9	41-TeCB	U	ND	pg/L	6.64	100
36559-22-5	42-TeCB	U	ND	pg/L	5.40	100
70362-46-8	43-TeCB	U	ND	pg/L	6.46	100
41464-39-5	44-TeCB	CU	ND	pg/L	6.04	300
70362-45-7	45-TeCB	CU	ND	pg/L	3.42	200
41464-47-5	46-TeCB	U	ND	pg/L	3.54	100
2437-79-8	47-TeCB	C44				
70362-47-9	48-TeCB	U	ND	pg/L	5.38	100
41464-40-8	49-TeCB	CU	ND	pg/L	4.44	200
62796-65-0	50-TeCB	CU	ND	pg/L	3.34	200
68194-04-7	51-TeCB	C45				
35693-99-3	52-TeCB	J	8.28	pg/L	5.84	200
41464-41-9	53-TeCB	C50				
15968-05-5	54-TeCB	U	ND	pg/L	2.26	100
74338-24-2	55-TeCB	U	ND	pg/L	4.76	100
41464-43-1	56-TeCB	U	ND	pg/L	4.80	100
70424-67-8	57-TeCB	U	ND	pg/L	4.56	100
41464-49-7	58-TeCB	U	ND	pg/L	4.72	100
74472-33-6	59-TeCB	CU	ND	pg/L	4.12	300
33025-41-1	60-TeCB	U	ND	pg/L	4.66	100
33284-53-6	61-TeCB	CJ	7.58	pg/L	4.50	400
54230-22-7	62-TeCB	C59				
74472-34-7	63-TeCB	U	ND	pg/L	4.44	100
52663-58-8	64-TeCB	U	ND	pg/L	3.86	100

Comments:

- C** Congener has coeluters. When Cxxx, refer to congener number xxx for data
- J** Value is estimated
- U** Analyte was analyzed for, but not detected above the specified detection limit.

**PCB Congeners
Certificate of Analysis
Sample Summary**

Page 3 of 8

SDG Number: 2210315	Client: HALL001	Project: HALL00113
Lab Sample ID: 12033076		Matrix: WATER
Client Sample: QC for batch 51321		
Client ID: MB for batch 51321		Prep Basis: As Received
Batch ID: 51323	Method: EPA Method 1668A	
Run Date: 11/10/2022 14:33	Analyst: MLL	Instrument: HRP875
Data File: d08nov22a_5-3		Dilution: 1
Prep Batch: 51321	Prep Method: SW846 3520C	Prep SOP Ref: CF-OA-E-001
Prep Date: 02-NOV-22	Prep Aliquot: 1000 mL	

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
33284-54-7	65-TeCB	C44				
32598-10-0	66-TeCB	U	ND	pg/L	4.66	100
73575-53-8	67-TeCB	U	ND	pg/L	3.66	100
73575-52-7	68-TeCB	U	ND	pg/L	4.02	100
60233-24-1	69-TeCB	C49				
32598-11-1	70-TeCB	C61				
41464-46-4	71-TeCB	C40				
41464-42-0	72-TeCB	U	ND	pg/L	4.34	100
74338-23-1	73-TeCB	U	ND	pg/L	3.84	100
32690-93-0	74-TeCB	C61				
32598-12-2	75-TeCB	C59				
70362-48-0	76-TeCB	C61				
32598-13-3	77-TeCB	U	ND	pg/L	4.76	100
70362-49-1	78-TeCB	U	ND	pg/L	5.30	100
41464-48-6	79-TeCB	U	ND	pg/L	4.20	100
33284-52-5	80-TeCB	U	ND	pg/L	4.04	100
70362-50-4	81-TeCB	U	ND	pg/L	4.04	100
52663-62-4	82-PeCB	U	ND	pg/L	6.86	100
60145-20-2	83-PeCB	U	ND	pg/L	7.94	100
52663-60-2	84-PeCB	U	ND	pg/L	5.86	100
65510-45-4	85-PeCB	CU	ND	pg/L	4.86	300
55312-69-1	86-PeCB	CJ	6.84	pg/L	4.90	600
38380-02-8	87-PeCB	C86				
55215-17-3	88-PeCB	CU	ND	pg/L	5.84	200
73575-57-2	89-PeCB	U	ND	pg/L	6.96	100
68194-07-0	90-PeCB	CU	ND	pg/L	7.70	300
68194-05-8	91-PeCB	C88				
52663-61-3	92-PeCB	U	ND	pg/L	6.42	100
73575-56-1	93-PeCB	CU	ND	pg/L	5.26	200
73575-55-0	94-PeCB	U	ND	pg/L	5.60	100
38379-99-6	95-PeCB	U	ND	pg/L	6.24	100
73575-54-9	96-PeCB	U	ND	pg/L	3.24	100

Comments:

- C** Congener has coeluters. When Cxxx, refer to congener number xxx for data
- J** Value is estimated
- U** Analyte was analyzed for, but not detected above the specified detection limit.

**PCB Congeners
Certificate of Analysis
Sample Summary**

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SDG Number: 2210315	Client: HALL001	Project: HALL00113
Lab Sample ID: 12033076		Matrix: WATER
Client Sample: QC for batch 51321		
Client ID: MB for batch 51321		Prep Basis: As Received
Batch ID: 51323	Method: EPA Method 1668A	
Run Date: 11/10/2022 14:33	Analyst: MLL	Instrument: HRP875
Data File: d08nov22a_5-3		Dilution: 1
Prep Batch: 51321	Prep Method: SW846 3520C	Prep SOP Ref: CF-OA-E-001
Prep Date: 02-NOV-22	Prep Aliquot: 1000 mL	

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
41464-51-1	97-PeCB	C86				
60233-25-2	98-PeCB	CU	ND	pg/L	5.32	200
38380-01-7	99-PeCB	U	ND	pg/L	5.34	100
39485-83-1	100-PeCB	C93				
37680-73-2	101-PeCB	C90				
68194-06-9	102-PeCB	C98				
60145-21-3	103-PeCB	U	ND	pg/L	5.42	100
56558-16-8	104-PeCB	U	ND	pg/L	2.42	100
32598-14-4	105-PeCB	U	ND	pg/L	4.16	100
70424-69-0	106-PeCB	U	ND	pg/L	4.48	100
70424-68-9	107-PeCB	U	ND	pg/L	3.60	100
70362-41-3	108-PeCB	CU	ND	pg/L	4.32	200
74472-35-8	109-PeCB	C86				
38380-03-9	110-PeCB	CU	ND	pg/L	6.76	200
39635-32-0	111-PeCB	U	ND	pg/L	4.16	100
74472-36-9	112-PeCB	U	ND	pg/L	3.94	100
68194-10-5	113-PeCB	C90				
74472-37-0	114-PeCB	U	ND	pg/L	3.92	100
74472-38-1	115-PeCB	C110				
18259-05-7	116-PeCB	C85				
68194-11-6	117-PeCB	C85				
31508-00-6	118-PeCB	J	5.50	pg/L	4.02	100
56558-17-9	119-PeCB	C86				
68194-12-7	120-PeCB	U	ND	pg/L	4.38	100
56558-18-0	121-PeCB	U	ND	pg/L	4.12	100
76842-07-4	122-PeCB	U	ND	pg/L	5.68	100
65510-44-3	123-PeCB	U	ND	pg/L	3.70	100
70424-70-3	124-PeCB	C108				
74472-39-2	125-PeCB	C86				
57465-28-8	126-PeCB	U	ND	pg/L	4.76	100
39635-33-1	127-PeCB	U	ND	pg/L	4.44	100
38380-07-3	128-HxCB	CU	ND	pg/L	5.02	200

Comments:

- C** Congener has coeluters. When Cxxx, refer to congener number xxx for data
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**PCB Congeners
Certificate of Analysis
Sample Summary**

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SDG Number: 2210315	Client: HALL001	Project: HALL00113
Lab Sample ID: 12033076		Matrix: WATER
Client Sample: QC for batch 51321		
Client ID: MB for batch 51321		Prep Basis: As Received
Batch ID: 51323	Method: EPA Method 1668A	
Run Date: 11/10/2022 14:33	Analyst: MLL	Instrument: HRP875
Data File: d08nov22a_5-3		Dilution: 1
Prep Batch: 51321	Prep Method: SW846 3520C	Prep SOP Ref: CF-OA-E-001
Prep Date: 02-NOV-22	Prep Aliquot: 1000 mL	

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
55215-18-4	129-HxCB	CU	ND	pg/L	6.82	300
52663-66-8	130-HxCB	U	ND	pg/L	6.36	100
61798-70-7	131-HxCB	U	ND	pg/L	6.48	100
38380-05-1	132-HxCB	U	ND	pg/L	5.90	100
35694-04-3	133-HxCB	U	ND	pg/L	6.18	100
52704-70-8	134-HxCB	U	ND	pg/L	6.48	100
52744-13-5	135-HxCB	CU	ND	pg/L	4.58	200
38411-22-2	136-HxCB	U	ND	pg/L	3.48	100
35694-06-5	137-HxCB	U	ND	pg/L	5.58	100
35065-28-2	138-HxCB	C129				
56030-56-9	139-HxCB	CU	ND	pg/L	5.20	200
59291-64-4	140-HxCB	C139				
52712-04-6	141-HxCB	U	ND	pg/L	5.24	100
41411-61-4	142-HxCB	U	ND	pg/L	6.30	100
68194-15-0	143-HxCB	U	ND	pg/L	5.98	100
68194-14-9	144-HxCB	U	ND	pg/L	4.50	100
74472-40-5	145-HxCB	U	ND	pg/L	3.30	100
51908-16-8	146-HxCB	U	ND	pg/L	5.00	100
68194-13-8	147-HxCB	CU	ND	pg/L	5.08	200
74472-41-6	148-HxCB	U	ND	pg/L	4.38	100
38380-04-0	149-HxCB	C147				
68194-08-1	150-HxCB	U	ND	pg/L	3.16	100
52663-63-5	151-HxCB	C135				
68194-09-2	152-HxCB	U	ND	pg/L	3.38	100
35065-27-1	153-HxCB	CJ	4.94	pg/L	4.58	200
60145-22-4	154-HxCB	U	ND	pg/L	3.64	100
33979-03-2	155-HxCB	U	ND	pg/L	2.48	100
38380-08-4	156-HxCB	CU	ND	pg/L	4.10	200
69782-90-7	157-HxCB	C156				
74472-42-7	158-HxCB	U	ND	pg/L	3.68	100
39635-35-3	159-HxCB	U	ND	pg/L	3.54	100
41411-62-5	160-HxCB	U	ND	pg/L	4.46	100

Comments:

- C** Congener has coeluters. When Cxxx, refer to congener number xxx for data
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**PCB Congeners
Certificate of Analysis
Sample Summary**

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SDG Number: 2210315
Lab Sample ID: 12033076
Client Sample: QC for batch 51321
Client ID: MB for batch 51321
Batch ID: 51323
Run Date: 11/10/2022 14:33
Data File: d08nov22a_5-3
Prep Batch: 51321
Prep Date: 02-NOV-22

Client: HALL001

Method: EPA Method 1668A
Analyst: MLL

Prep Method: SW846 3520C
Prep Aliquot: 1000 mL

Project: HALL00113
Matrix: WATER

Prep Basis: As Received

Instrument: HRP875
Dilution: 1
Prep SOP Ref: CF-OA-E-001

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
74472-43-8	161-HxCB	U	ND	pg/L	4.34	100
39635-34-2	162-HxCB	U	ND	pg/L	3.46	100
74472-44-9	163-HxCB	C129				
74472-45-0	164-HxCB	U	ND	pg/L	4.12	100
74472-46-1	165-HxCB	U	ND	pg/L	4.58	100
41411-63-6	166-HxCB	C128				
52663-72-6	167-HxCB	U	ND	pg/L	3.06	100
59291-65-5	168-HxCB	C153				
32774-16-6	169-HxCB	U	ND	pg/L	3.52	100
35065-30-6	170-HpCB	U	ND	pg/L	4.72	100
52663-71-5	171-HpCB	CU	ND	pg/L	4.98	200
52663-74-8	172-HpCB	U	ND	pg/L	4.90	100
68194-16-1	173-HpCB	C171				
38411-25-5	174-HpCB	U	ND	pg/L	4.64	100
40186-70-7	175-HpCB	U	ND	pg/L	4.20	100
52663-65-7	176-HpCB	U	ND	pg/L	3.24	100
52663-70-4	177-HpCB	U	ND	pg/L	5.02	100
52663-67-9	178-HpCB	U	ND	pg/L	4.46	100
52663-64-6	179-HpCB	U	ND	pg/L	3.16	100
35065-29-3	180-HpCB	CU	ND	pg/L	3.88	200
74472-47-2	181-HpCB	U	ND	pg/L	4.80	100
60145-23-5	182-HpCB	U	ND	pg/L	4.04	100
52663-69-1	183-HpCB	CU	ND	pg/L	4.64	200
74472-48-3	184-HpCB	U	ND	pg/L	3.10	100
52712-05-7	185-HpCB	C183				
74472-49-4	186-HpCB	U	ND	pg/L	3.22	100
52663-68-0	187-HpCB	U	ND	pg/L	4.08	100
74487-85-7	188-HpCB	U	ND	pg/L	2.70	100
39635-31-9	189-HpCB	U	ND	pg/L	4.02	100
41411-64-7	190-HpCB	U	ND	pg/L	3.48	100
74472-50-7	191-HpCB	U	ND	pg/L	3.44	100
74472-51-8	192-HpCB	U	ND	pg/L	4.00	100

Comments:

- C** Congener has coeluters. When Cxxx, refer to congener number xxx for data
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**PCB Congeners
Certificate of Analysis
Sample Summary**

SDG Number: 2210315	Client: HALL001	Project: HALL00113
Lab Sample ID: 12033076		Matrix: WATER
Client Sample: QC for batch 51321		
Client ID: MB for batch 51321		Prep Basis: As Received
Batch ID: 51323	Method: EPA Method 1668A	
Run Date: 11/10/2022 14:33	Analyst: MLL	Instrument: HRP875
Data File: d08nov22a_5-3		Dilution: 1
Prep Batch: 51321	Prep Method: SW846 3520C	Prep SOP Ref: CF-OA-E-001
Prep Date: 02-NOV-22	Prep Aliquot: 1000 mL	

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
69782-91-8	193-HpCB	C180				
35694-08-7	194-OcCB	U	ND	pg/L	3.80	100
52663-78-2	195-OcCB	U	ND	pg/L	4.02	100
42740-50-1	196-OcCB	U	ND	pg/L	3.70	100
33091-17-7	197-OcCB	CU	ND	pg/L	2.94	200
68194-17-2	198-OcCB	CU	ND	pg/L	3.84	200
52663-75-9	199-OcCB	C198				
52663-73-7	200-OcCB	C197				
40186-71-8	201-OcCB	U	ND	pg/L	2.74	100
2136-99-4	202-OcCB	U	ND	pg/L	2.74	100
52663-76-0	203-OcCB	U	ND	pg/L	3.66	100
74472-52-9	204-OcCB	U	ND	pg/L	2.82	100
74472-53-0	205-OcCB	U	ND	pg/L	3.00	100
40186-72-9	206-NoCB	U	ND	pg/L	5.48	100
52663-79-3	207-NoCB	U	ND	pg/L	4.04	100
52663-77-1	208-NoCB	U	ND	pg/L	3.76	100
2051-24-3	209-DeCB	U	ND	pg/L	4.54	100
1336-36-3	Total PCB Congeners	J	38.9	pg/L		100

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-1-MoCB		666	2000	pg/L	33.3	(15%-150%)
13C-3-MoCB		760	2000	pg/L	38.0	(15%-150%)
13C-4-DiCB		761	2000	pg/L	38.1	(25%-150%)
13C-15-DiCB		1010	2000	pg/L	50.4	(25%-150%)
13C-19-TrCB		915	2000	pg/L	45.8	(25%-150%)
13C-37-TrCB		963	2000	pg/L	48.2	(25%-150%)
13C-54-TeCB		872	2000	pg/L	43.6	(25%-150%)
13C-77-TeCB		1120	2000	pg/L	56.2	(25%-150%)
13C-81-TeCB		1200	2000	pg/L	60.0	(25%-150%)
13C-104-PeCB		932	2000	pg/L	46.6	(25%-150%)
13C-105-PeCB		971	2000	pg/L	48.6	(25%-150%)
13C-114-PeCB		964	2000	pg/L	48.2	(25%-150%)
13C-118-PeCB		882	2000	pg/L	44.1	(25%-150%)
13C-123-PeCB		1010	2000	pg/L	50.5	(25%-150%)
13C-126-PeCB		1010	2000	pg/L	50.6	(25%-150%)
13C-155-HxCB		996	2000	pg/L	49.8	(25%-150%)
13C-156-HxCB	C	2250	4000	pg/L	56.2	(25%-150%)
13C-157-HxCB	C156L					
13C-167-HxCB		1110	2000	pg/L	55.7	(25%-150%)
13C-169-HxCB		1140	2000	pg/L	57.1	(25%-150%)
13C-188-HpCB		989	2000	pg/L	49.5	(25%-150%)
13C-189-HpCB		1030	2000	pg/L	51.5	(25%-150%)

**PCB Congeners
Certificate of Analysis
Sample Summary**

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SDG Number: 2210315	Client: HALL001	Project: HALL00113
Lab Sample ID: 12033076		Matrix: WATER
Client Sample: QC for batch 51321		
Client ID: MB for batch 51321		Prep Basis: As Received
Batch ID: 51323	Method: EPA Method 1668A	
Run Date: 11/10/2022 14:33	Analyst: MLL	Instrument: HRP875
Data File: d08nov22a_5-3		Dilution: 1
Prep Batch: 51321	Prep Method: SW846 3520C	Prep SOP Ref: CF-OA-E-001
Prep Date: 02-NOV-22	Prep Aliquot: 1000 mL	

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
Surrogate/Tracer recovery						
		Qual	Result	Nominal	Units	Recovery%
						Acceptable Limits
13C-202-OcCB			1040	2000	pg/L	51.8
						(25%-150%)
13C-205-OcCB			1170	2000	pg/L	58.6
						(25%-150%)
13C-206-NoCB			1150	2000	pg/L	57.5
						(25%-150%)
13C-208-NoCB			1030	2000	pg/L	51.4
						(25%-150%)
13C-209-DeCB			1150	2000	pg/L	57.7
						(25%-150%)
13C-28-TrCB			1040	2000	pg/L	51.9
						(30%-135%)
13C-111-PeCB			1100	2000	pg/L	55.2
						(30%-135%)
13C-178-HpCB			1240	2000	pg/L	62.0
						(30%-135%)

Comments:

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**PCB Congeners
Certificate of Analysis
Sample Summary**

Page 1 of 2

SDG Number: 2210315	Client: HALL001	Project: HALL00113
Lab Sample ID: 12033077		Matrix: WATER
Client Sample: QC for batch 51321		
Client ID: LCS for batch 51321		Prep Basis: As Received
Batch ID: 51323	Method: EPA Method 1668A	
Run Date: 11/10/2022 12:14	Analyst: MLL	Instrument: HRP875
Data File: d08nov22a_5-1		Dilution: 1
Prep Batch: 51321	Prep Method: SW846 3520C	Prep SOP Ref: CF-OA-E-001
Prep Date: 02-NOV-22	Prep Aliquot: 1000 mL	

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
2051-60-7	1-MoCB		490	pg/L	5.90	100
2051-62-9	3-MoCB		498	pg/L	5.40	100
13029-08-8	4-DiCB		462	pg/L	9.84	100
2050-68-2	15-DiCB		513	pg/L	8.46	100
38444-73-4	19-TrCB		513	pg/L	7.04	100
38444-90-5	37-TrCB		483	pg/L	12.0	100
15968-05-5	54-TeCB		1020	pg/L	3.78	100
32598-13-3	77-TeCB		977	pg/L	16.2	100
70362-50-4	81-TeCB		826	pg/L	15.1	100
56558-16-8	104-PeCB		1010	pg/L	2.54	100
32598-14-4	105-PeCB		924	pg/L	19.9	100
74472-37-0	114-PeCB		1040	pg/L	18.6	100
31508-00-6	118-PeCB		1110	pg/L	18.9	100
65510-44-3	123-PeCB		926	pg/L	17.8	100
57465-28-8	126-PeCB		993	pg/L	20.4	100
33979-03-2	155-HxCB		1000	pg/L	2.64	100
38380-08-4	156-HxCB	C	1980	pg/L	17.4	200
69782-90-7	157-HxCB	C156				
52663-72-6	167-HxCB		1000	pg/L	12.8	100
32774-16-6	169-HxCB		967	pg/L	14.7	100
74487-85-7	188-HpCB		997	pg/L	3.20	100
39635-31-9	189-HpCB		1010	pg/L	8.64	100
2136-99-4	202-OcCB		1620	pg/L	22.6	100
74472-53-0	205-OcCB		1450	pg/L	9.54	100
40186-72-9	206-NoCB		1490	pg/L	7.36	100
52663-77-1	208-NoCB		1590	pg/L	5.44	100
2051-24-3	209-DeCB		1430	pg/L	4.50	100

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-1-MoCB		757	2000	pg/L	37.9	(15%-140%)
13C-3-MoCB		876	2000	pg/L	43.8	(15%-140%)
13C-4-DiCB		865	2000	pg/L	43.3	(30%-140%)
13C-15-DiCB		1300	2000	pg/L	65.1	(30%-140%)
13C-19-TrCB		1070	2000	pg/L	53.6	(30%-140%)
13C-37-TrCB		1220	2000	pg/L	61.0	(30%-140%)
13C-54-TeCB		1030	2000	pg/L	51.6	(30%-140%)
13C-77-TeCB		1290	2000	pg/L	64.6	(30%-140%)
13C-81-TeCB		1340	2000	pg/L	66.8	(30%-140%)
13C-104-PeCB		1200	2000	pg/L	60.0	(30%-140%)
13C-105-PeCB		1150	2000	pg/L	57.4	(30%-140%)
13C-114-PeCB		1140	2000	pg/L	56.9	(30%-140%)
13C-118-PeCB		1010	2000	pg/L	50.5	(30%-140%)

**PCB Congeners
Certificate of Analysis
Sample Summary**

SDG Number: 2210315	Client: HALL001	Project: HALL00113
Lab Sample ID: 12033077		Matrix: WATER
Client Sample: QC for batch 51321		
Client ID: LCS for batch 51321		Prep Basis: As Received
Batch ID: 51323	Method: EPA Method 1668A	
Run Date: 11/10/2022 12:14	Analyst: MLL	Instrument: HRP875
Data File: d08nov22a_5-1		Dilution: 1
Prep Batch: 51321	Prep Method: SW846 3520C	Prep SOP Ref: CF-OA-E-001
Prep Date: 02-NOV-22	Prep Aliquot: 1000 mL	

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
Surrogate/Tracer recovery						
		Qual	Result	Nominal	Units	Recovery%
						Acceptable Limits
13C-123-PeCB			1160	2000	pg/L	58.0 (30%-140%)
13C-126-PeCB			1310	2000	pg/L	65.6 (30%-140%)
13C-155-HxCB			1150	2000	pg/L	57.6 (30%-140%)
13C-156-HxCB		C	2610	4000	pg/L	65.3 (30%-140%)
13C-157-HxCB		C156L				
13C-167-HxCB			1310	2000	pg/L	65.4 (30%-140%)
13C-169-HxCB			1360	2000	pg/L	67.8 (30%-140%)
13C-188-HpCB			1130	2000	pg/L	56.5 (30%-140%)
13C-189-HpCB			1170	2000	pg/L	58.4 (30%-140%)
13C-202-OcCB			1220	2000	pg/L	61.1 (30%-140%)
13C-205-OcCB			1410	2000	pg/L	70.3 (30%-140%)
13C-206-NoCB			1380	2000	pg/L	69.1 (30%-140%)
13C-208-NoCB			1150	2000	pg/L	57.7 (30%-140%)
13C-209-DeCB			1370	2000	pg/L	68.4 (30%-140%)
13C-28-TrCB			1220	2000	pg/L	61.0 (40%-125%)
13C-111-PeCB			1280	2000	pg/L	64.1 (40%-125%)
13C-178-HpCB			1460	2000	pg/L	73.2 (40%-125%)

Comments:

- C** Congener has coeluters. When Cxxx, refer to congener number xxx for data
- U** Analyte was analyzed for, but not detected above the specified detection limit.

**PCB Congeners
Certificate of Analysis
Sample Summary**

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SDG Number: 2210315	Client: HALL001	Project: HALL00113
Lab Sample ID: 12033078		Matrix: WATER
Client Sample: QC for batch 51321		
Client ID: LCSD for batch 51321		Prep Basis: As Received
Batch ID: 51323	Method: EPA Method 1668A	
Run Date: 11/10/2022 13:23	Analyst: MLL	Instrument: HRP875
Data File: d08nov22a_5-2		Dilution: 1
Prep Batch: 51321	Prep Method: SW846 3520C	Prep SOP Ref: CF-OA-E-001
Prep Date: 02-NOV-22	Prep Aliquot: 1000 mL	

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
2051-60-7	1-MoCB		443	pg/L	6.46	100
2051-62-9	3-MoCB		480	pg/L	7.18	100
13029-08-8	4-DiCB		425	pg/L	11.5	100
2050-68-2	15-DiCB		471	pg/L	12.7	100
38444-73-4	19-TrCB		473	pg/L	9.06	100
38444-90-5	37-TrCB		456	pg/L	16.4	100
15968-05-5	54-TeCB		988	pg/L	4.04	100
32598-13-3	77-TeCB		901	pg/L	27.0	100
70362-50-4	81-TeCB		769	pg/L	25.2	100
56558-16-8	104-PeCB		953	pg/L	3.18	100
32598-14-4	105-PeCB		847	pg/L	23.4	100
74472-37-0	114-PeCB		985	pg/L	20.8	100
31508-00-6	118-PeCB		1010	pg/L	23.3	100
65510-44-3	123-PeCB		818	pg/L	19.9	100
57465-28-8	126-PeCB		947	pg/L	26.0	100
33979-03-2	155-HxCB		941	pg/L	9.38	100
38380-08-4	156-HxCB	C	1830	pg/L	21.8	200
69782-90-7	157-HxCB	C156				
52663-72-6	167-HxCB		933	pg/L	16.1	100
32774-16-6	169-HxCB		907	pg/L	18.4	100
74487-85-7	188-HpCB		909	pg/L	3.64	100
39635-31-9	189-HpCB		895	pg/L	8.12	100
2136-99-4	202-OcCB		1510	pg/L	25.5	100
74472-53-0	205-OcCB		1340	pg/L	7.66	100
40186-72-9	206-NoCB		1420	pg/L	9.36	100
52663-77-1	208-NoCB		1530	pg/L	6.86	100
2051-24-3	209-DeCB		1330	pg/L	5.86	100

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-1-MoCB		544	2000	pg/L	27.2	(15%-140%)
13C-3-MoCB		636	2000	pg/L	31.8	(15%-140%)
13C-4-DiCB		656	2000	pg/L	32.8	(30%-140%)
13C-15-DiCB		895	2000	pg/L	44.8	(30%-140%)
13C-19-TrCB		838	2000	pg/L	41.9	(30%-140%)
13C-37-TrCB		753	2000	pg/L	37.6	(30%-140%)
13C-54-TeCB		750	2000	pg/L	37.5	(30%-140%)
13C-77-TeCB		827	2000	pg/L	41.3	(30%-140%)
13C-81-TeCB		874	2000	pg/L	43.7	(30%-140%)
13C-104-PeCB		884	2000	pg/L	44.2	(30%-140%)
13C-105-PeCB		864	2000	pg/L	43.2	(30%-140%)
13C-114-PeCB		843	2000	pg/L	42.1	(30%-140%)
13C-118-PeCB		764	2000	pg/L	38.2	(30%-140%)

**PCB Congeners
Certificate of Analysis
Sample Summary**

Page 2 of 2

SDG Number: 2210315	Client: HALL001	Project: HALL00113
Lab Sample ID: 12033078		Matrix: WATER
Client Sample: QC for batch 51321		
Client ID: LCSD for batch 51321		Prep Basis: As Received
Batch ID: 51323	Method: EPA Method 1668A	
Run Date: 11/10/2022 13:23	Analyst: MLL	Instrument: HRP875
Data File: d08nov22a_5-2		Dilution: 1
Prep Batch: 51321	Prep Method: SW846 3520C	Prep SOP Ref: CF-OA-E-001
Prep Date: 02-NOV-22	Prep Aliquot: 1000 mL	

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
Surrogate/Tracer recovery						
		Qual	Result	Nominal	Units	Recovery%
						Acceptable Limits
13C-123-PeCB			880	2000	pg/L	44.0 (30%-140%)
13C-126-PeCB			857	2000	pg/L	42.9 (30%-140%)
13C-155-HxCB			763	2000	pg/L	38.2 (30%-140%)
13C-156-HxCB		C	1650	4000	pg/L	41.2 (30%-140%)
13C-157-HxCB		C156L				
13C-167-HxCB			837	2000	pg/L	41.8 (30%-140%)
13C-169-HxCB			835	2000	pg/L	41.8 (30%-140%)
13C-188-HpCB			795	2000	pg/L	39.7 (30%-140%)
13C-189-HpCB			817	2000	pg/L	40.8 (30%-140%)
13C-202-OcCB			781	2000	pg/L	39.0 (30%-140%)
13C-205-OcCB			953	2000	pg/L	47.6 (30%-140%)
13C-206-NoCB			929	2000	pg/L	46.5 (30%-140%)
13C-208-NoCB			811	2000	pg/L	40.6 (30%-140%)
13C-209-DeCB			920	2000	pg/L	46.0 (30%-140%)
13C-28-TrCB			1100	2000	pg/L	54.9 (40%-125%)
13C-111-PeCB			1220	2000	pg/L	61.1 (40%-125%)
13C-178-HpCB			1270	2000	pg/L	63.3 (40%-125%)

Comments:

- C** Congener has coeluters. When Cxxx, refer to congener number xxx for data
U Analyte was analyzed for, but not detected above the specified detection limit.

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2210315

23-Nov-22

Client: AMAFCA
Project: CMC Wet FY23

Sample ID: MB-70825	SampType: MBLK	TestCode: EPA Method 1664B								
Client ID: PBW	Batch ID: 70825	RunNo: 91919								
Prep Date: 10/14/2022	Analysis Date: 10/18/2022	SeqNo: 3297147	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-70825	SampType: LCS	TestCode: EPA Method 1664B								
Client ID: LCSW	Batch ID: 70825	RunNo: 91919								
Prep Date: 10/14/2022	Analysis Date: 10/18/2022	SeqNo: 3297148	Units: mg/L							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
N-Hexane Extractable Material	37.8	10.0	40.00	0	94.5	78	114			

Sample ID: LCSD-70825	SampType: LCSD	TestCode: EPA Method 1664B								
Client ID: LCSS02	Batch ID: 70825	RunNo: 91919								
Prep Date: 10/14/2022	Analysis Date: 10/18/2022	SeqNo: 3297149	Units: mg/L							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
N-Hexane Extractable Material	37.4	10.0	40.00	0	93.5	78	114	1.06	20	

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. | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2210315

23-Nov-22

Client: AMAFCA
Project: CMC Wet FY23

Sample ID: MB-70811	SampType: MBLK	TestCode: EPA Method 200.7: Metals								
Client ID: PBW	Batch ID: 70811	RunNo: 91819								
Prep Date: 10/13/2022	Analysis Date: 10/14/2022	SeqNo: 3291906	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-70811	SampType: LCSLL	TestCode: EPA Method 200.7: Metals								
Client ID: BatchQC	Batch ID: 70811	RunNo: 91819								
Prep Date: 10/13/2022	Analysis Date: 10/14/2022	SeqNo: 3291907	Units: mg/L							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	ND	1.0	0.5000	0	103	50	150			
Magnesium	ND	1.0	0.5000	0	104	50	150			

Sample ID: LCS-70811	SampType: LCS	TestCode: EPA Method 200.7: Metals								
Client ID: LCSW	Batch ID: 70811	RunNo: 91819								
Prep Date: 10/13/2022	Analysis Date: 10/14/2022	SeqNo: 3291908	Units: mg/L							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	51	1.0	50.00	0	102	85	115			
Magnesium	52	1.0	50.00	0	104	85	115			

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. | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2210315

23-Nov-22

Client: AMAFCA
Project: CMC Wet FY23

Sample ID: MB	SampType: MBLK	TestCode: EPA 200.8: Dissolved Metals								
Client ID: PBW	Batch ID: A91883	RunNo: 91883								
Prep Date:	Analysis Date: 10/18/2022	SeqNo: 3295065	Units: mg/L							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Copper	ND	0.0010								
Lead	ND	0.00050								

Sample ID: LCSLL	SampType: LCSLL	TestCode: EPA 200.8: Dissolved Metals								
Client ID: BatchQC	Batch ID: A91883	RunNo: 91883								
Prep Date:	Analysis Date: 10/18/2022	SeqNo: 3295066	Units: mg/L							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Copper	0.0010	0.0010	0.001000	0	101	50	150			
Lead	0.00052	0.00050	0.0005000	0	105	50	150			

Sample ID: LCS	SampType: LCS	TestCode: EPA 200.8: Dissolved Metals								
Client ID: LCSW	Batch ID: A91883	RunNo: 91883								
Prep Date:	Analysis Date: 10/18/2022	SeqNo: 3295067	Units: mg/L							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Copper	0.025	0.0010	0.02500	0	98.9	85	115			
Lead	0.012	0.00050	0.01250	0	97.4	85	115			

Sample ID: 2210315-002NMSLL	SampType: MS	TestCode: EPA 200.8: Dissolved Metals								
Client ID: R6 South-20221006	Batch ID: A91883	RunNo: 91883								
Prep Date:	Analysis Date: 10/18/2022	SeqNo: 3295096	Units: mg/L							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Copper	0.026	0.0010	0.02500	0.0007151	102	70	130			
Lead	0.013	0.00050	0.01250	0.0007696	107	70	130			

Sample ID: 2210315-002NMSDL	SampType: MSD	TestCode: EPA 200.8: Dissolved Metals								
Client ID: R6 South-20221006	Batch ID: A91883	RunNo: 91883								
Prep Date:	Analysis Date: 10/18/2022	SeqNo: 3295097	Units: mg/L							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Copper	0.026	0.0010	0.02500	0.0007151	101	70	130	0.371	20	
Lead	0.013	0.00050	0.01250	0.0007696	105	70	130	1.82	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#: 2210315

23-Nov-22

Client: AMAFCA
Project: CMC Wet FY23

Sample ID: MB	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBW	Batch ID: A91618	RunNo: 91618								
Prep Date:	Analysis Date: 10/6/2022	SeqNo: 3282485	Units: mg/L							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Nitrite (As N)	ND	0.10								
Nitrogen, Nitrate (As N)	ND	0.10								

Sample ID: LCS	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSW	Batch ID: A91618	RunNo: 91618								
Prep Date:	Analysis Date: 10/6/2022	SeqNo: 3282486	Units: mg/L							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Nitrite (As N)	0.94	0.10	1.000	0	93.8	90	110			
Nitrogen, Nitrate (As N)	2.5	0.10	2.500	0	98.8	90	110			

Sample ID: 2210315-001EMS	SampType: MS	TestCode: EPA Method 300.0: Anions								
Client ID: R6 North-20221005	Batch ID: A91618	RunNo: 91618								
Prep Date:	Analysis Date: 10/7/2022	SeqNo: 3282497	Units: mg/L							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Nitrite (As N)	4.7	0.50	5.000	0	94.4	83.4	110			
Nitrogen, Nitrate (As N)	13	0.50	12.50	0.1075	99.8	89.5	113			

Sample ID: 2210315-001EMSD	SampType: MSD	TestCode: EPA Method 300.0: Anions								
Client ID: R6 North-20221005	Batch ID: A91618	RunNo: 91618								
Prep Date:	Analysis Date: 10/7/2022	SeqNo: 3282498	Units: mg/L							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Nitrite (As N)	4.7	0.50	5.000	0	93.8	83.4	110	0.691	20	
Nitrogen, Nitrate (As N)	12	0.50	12.50	0.1075	98.8	89.5	113	0.995	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#: 2210315

23-Nov-22

Client: AMAFCA
Project: CMC Wet FY23

Sample ID: MB-70767	SampType: MBLK	TestCode: EPA Method 8081: PESTICIDES								
Client ID: PBW	Batch ID: 70767	RunNo: 91851								
Prep Date: 10/12/2022	Analysis Date: 10/17/2022	SeqNo: 3294644	Units: µg/L							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Dieldrin	ND	0.10								
Surr: Decachlorobiphenyl	2.5		2.500		101	40.9	111			
Surr: Tetrachloro-m-xylene	2.0		2.500		79.4	15	107			

Sample ID: MB-70767	SampType: MBLK	TestCode: EPA Method 8081: PESTICIDES								
Client ID: PBW	Batch ID: 70767	RunNo: 91851								
Prep Date: 10/12/2022	Analysis Date: 10/17/2022	SeqNo: 3294646	Units: µg/L							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Dieldrin	ND	0.10								
Surr: Decachlorobiphenyl	2.5		2.500		102	40.9	111			
Surr: Tetrachloro-m-xylene	2.0		2.500		80.9	15	107			

Sample ID: LCS-70767	SampType: LCS	TestCode: EPA Method 8081: PESTICIDES								
Client ID: LCSW	Batch ID: 70767	RunNo: 91851								
Prep Date: 10/12/2022	Analysis Date: 10/17/2022	SeqNo: 3294647	Units: µg/L							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Dieldrin	0.43	0.10	0.5000	0	86.2	56.3	121			
Surr: Decachlorobiphenyl	2.4		2.500		95.2	40.9	111			
Surr: Tetrachloro-m-xylene	2.0		2.500		78.6	15	107			

Sample ID: LCS-70767	SampType: LCS	TestCode: EPA Method 8081: PESTICIDES								
Client ID: LCSW	Batch ID: 70767	RunNo: 91851								
Prep Date: 10/12/2022	Analysis Date: 10/17/2022	SeqNo: 3294648	Units: µg/L							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Dieldrin	0.44	0.10	0.5000	0	87.9	56.3	121			
Surr: Decachlorobiphenyl	2.4		2.500		95.7	40.9	111			
Surr: Tetrachloro-m-xylene	2.0		2.500		79.7	15	107			

Sample ID: LCSD-70767	SampType: LCSD	TestCode: EPA Method 8081: PESTICIDES								
Client ID: LCSS02	Batch ID: 70767	RunNo: 91851								
Prep Date: 10/12/2022	Analysis Date: 10/17/2022	SeqNo: 3294649	Units: µg/L							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Dieldrin	0.42	0.10	0.5000	0	84.6	56.3	121	1.91	20	
Surr: Decachlorobiphenyl	2.3		2.500		90.9	40.9	111	0	20	
Surr: Tetrachloro-m-xylene	1.8		2.500		73.5	15	107	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#: 2210315

23-Nov-22

Client: AMAFCA
Project: CMC Wet FY23

Sample ID: LCSD-70767	SampType: LCSD	TestCode: EPA Method 8081: PESTICIDES								
Client ID: LCSS02	Batch ID: 70767	RunNo: 91851								
Prep Date: 10/12/2022	Analysis Date: 10/17/2022	SeqNo: 3294650			Units: µg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Dieldrin	0.43	0.10	0.5000	0	86.1	56.3	121	2.00	20	
Surr: Decachlorobiphenyl	2.3		2.500		91.5	40.9	111	0	20	
Surr: Tetrachloro-m-xylene	1.8		2.500		73.9	15	107	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#: 2210315

23-Nov-22

Client: AMAFCA
Project: CMC Wet FY23

Sample ID: MB-70671	SampType: MBLK	TestCode: SM 9223B Fecal Indicator: E. coli MPN								
Client ID: PBW	Batch ID: 70671	RunNo: 91638								
Prep Date: 10/6/2022	Analysis Date: 10/7/2022	SeqNo: 3283469			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#: 2210315

23-Nov-22

Client: AMAFCA
Project: CMC Wet FY23

Sample ID: MB	SampType: MBLK	TestCode: SM 4500 NH3: Ammonia								
Client ID: PBW	Batch ID: R91993	RunNo: 91993								
Prep Date:	Analysis Date: 10/21/2022	SeqNo: 3300449			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: R91993	RunNo: 91993								
Prep Date:	Analysis Date: 10/21/2022	SeqNo: 3300450			Units: mg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Ammonia	9.8	1.0	10.00	0	98.0	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#: 2210315

23-Nov-22

Client: AMAFCA
Project: CMC Wet FY23

Sample ID: MB-71023	SampType: MBLK	TestCode: EPA Method 365.1: Total Phosphorous								
Client ID: PBW	Batch ID: 71023	RunNo: 92060								
Prep Date: 10/24/2022	Analysis Date: 10/25/2022	SeqNo: 3303642	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-71023	SampType: LCS	TestCode: EPA Method 365.1: Total Phosphorous								
Client ID: LCSW	Batch ID: 71023	RunNo: 92060								
Prep Date: 10/24/2022	Analysis Date: 10/25/2022	SeqNo: 3303643	Units: mg/L							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Phosphorus, Total (As P)	0.24	0.050	0.2500	0	96.9	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#: 2210315

23-Nov-22

Client: AMAFCA
Project: CMC Wet FY23

Sample ID: MB-70696	SampType: MBLK	TestCode: SM2540C MOD: Total Dissolved Solids								
Client ID: PBW	Batch ID: 70696	RunNo: 91714								
Prep Date: 10/10/2022	Analysis Date: 10/12/2022	SeqNo: 3286928	Units: mg/L							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	ND	20.0								

Sample ID: LCS-70696	SampType: LCS	TestCode: SM2540C MOD: Total Dissolved Solids								
Client ID: LCSW	Batch ID: 70696	RunNo: 91714								
Prep Date: 10/10/2022	Analysis Date: 10/12/2022	SeqNo: 3286929	Units: mg/L							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	1050	20.0	1000	0	105	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#: 2210315

23-Nov-22

Client: AMAFCA
Project: CMC Wet FY23

Sample ID: MB-70981	SampType: MBLK	TestCode: SM 4500 Norg C: TKN								
Client ID: PBW	Batch ID: 70981	RunNo: 92019								
Prep Date: 10/21/2022	Analysis Date: 10/24/2022	SeqNo: 3301880	Units: mg/L							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Kjeldahl, Total	ND	1.0								

Sample ID: LCS-70981	SampType: LCS	TestCode: SM 4500 Norg C: TKN								
Client ID: LCSW	Batch ID: 70981	RunNo: 92019								
Prep Date: 10/21/2022	Analysis Date: 10/24/2022	SeqNo: 3301881	Units: mg/L							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Kjeldahl, Total	10	1.0	10.00	0	101	80	120			

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. | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2210315

23-Nov-22

Client: AMAFCA
Project: CMC Wet FY23

Sample ID: MB-70679	SampType: MBLK	TestCode: SM 2540D: TSS								
Client ID: PBW	Batch ID: 70679	RunNo: 91686								
Prep Date: 10/7/2022	Analysis Date: 10/10/2022	SeqNo: 3285851	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-70679	SampType: LCS	TestCode: SM 2540D: TSS								
Client ID: LCSW	Batch ID: 70679	RunNo: 91686								
Prep Date: 10/7/2022	Analysis Date: 10/10/2022	SeqNo: 3285852	Units: mg/L							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Suspended Solids	89	4.0	91.90	0	96.8	83.89	119.7			

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: **2210315** RcptNo: **1**

Received By: **Joseph Alderette** 10/6/2022 10:25:00 AM
 Completed By: **Sean Livingston** 10/6/2022 11:10:53 AM
 Reviewed By: **SO** 10/6/22

JA
Sean Livingston

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
 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? (Note discrepancies on chain of custody) Yes No
 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? (If no, notify customer for authorization.) Yes No

of preserved bottles checked for pH: 14
 (<2 or >12 unless noted)
 Adjusted? NO
 Checked by: KPA 10.6.22

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: NO BOD BOTTLES. NO E COLI BOTTLE FOR RG NORTH TO 10.7.22

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	4.9	Good				

note - BOD bottles not provided to lab for these samples. E. coli for Rio Grande North sample and results provided in previous lab report.

Chain-of-Custody Record

Client: AMAFA

Mailing Address:

Phone #:

email or Fax#: pchavez@AMAFA.org

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

Accreditation: Az Compliance
 NELAC Other _____

EDD (Type) _____

Turn-Around Time:
 Standard Rush _____

Project Name:
CMC Wet FY23

Project #:

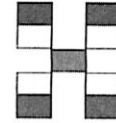
Project Manager:
Patrick Chavez

Sampler: Chad Johannesen

On Ice: Yes No

of Coolers: 2

Cooler Temp (including CF): 4.8 + 0.1 = 4.9 (°C)



HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

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)	See Attached	Sheet	Ecoli-environmental
10/5/22	1215	AQ	R6North-20221005			2210315											XX		
10/6/22	0905	AQ	R6South-20221006			002											XX		
			see 10/6/22															X	

Date: 10/6/22 Time: 10:25 Relinquished by: SAM FIRE

Received by: Via: CDU Date: 10-6-22 Time: 10:25

Remarks: Second Cooler temp 13.3 + 0.1 = 13.4 °C 10-6-22

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

Collaborative Monitoring Cooperative - Analyses List
Attach to Chain of Custody

Please refer to attached NPDES Permit No. NMR04A00 Appendix F. Methods and minimum quantification levels (MDL's) will be those approved under 40 CFR 136 and specified in the attached permit

Analyte (Bold Indicates WQS)	CAS #	Fraction	Method #	MDL (µg/L)
Hardness (Ca + Mg)	NA	Total	200.7	2.4
Lead	7439-92-1	Dissolved	200.8	0.09
Copper	7440-50-8	Dissolved	200.8	1.06
Ammonia + organic nitrogen	7664-41-7	Total	350.1	31.32
Total Kjehldal Nitrogen	17778-88-0	Total	351.2	58.78
Nitrate + Nitrite	14797-55-8	Total	353.2	10.17
Polychlorinated biphenyls (PCBs)	1336-36-3	Total	1668	0.014
Tetrahydrofuran (THF)	109-99-9	Total	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	0.2
Benzo(a)anthracene	56-55-3	Total	8270D	0.1
Dieldrin	60-57-1	Total	8081	0.2
Pentachlorophenol	87-86-5	Total	8270D	0.1
Benzidine	92-87-5	Total	8270D	0.2
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

ATTACHMENT 2
**FY 2023 WET SEASON COMPLETED DATA VERIFICATION AND
VALIDATION (V&V) FORMS**

Attachment 1.1 Water Quality Sample Data Verification and Validation Worksheet

Study Name: Compliance Monitoring Cooperative (CMC)

Year: FY 2023 (October 2022 – Wet Season Sample)

Project Coordinator: For Data Review and Reporting – SJG, BHI

V&V Reviewer: SJG

Data covered by this worksheet: Rio Grande North – 10/5/2022

Version of Verification/Validation Procedures: QAPP –AMAFCA SOP #5 (7/2022)

Step 1: Verify Field Data

A. Are all Field Data forms present and complete? Yes No

If yes, proceed; if no, attempt to locate missing forms, then indicate any remaining missing forms and action taken.

Missing Field Data Forms	Action Taken
_____	_____
_____	_____

Total number of occurrences: 0

B. Are station name and ID, and sampling date and time on forms consistent with database? Yes No

If yes, proceed; if no, indicate errors identified, correct errors in database and re-verify.

Station and Parameter	Action Taken	Re-verified?
_____	_____	_____
_____	_____	_____

Total number of occurrences: 0

C. Are field data on forms consistent with database? Yes No

If yes, proceed; if no, indicate errors identified, correct errors in database and re-verify.

Station	Sampling Date	Parameter(s) Corrected	Re-verified?
_____	_____	_____	_____
_____	_____	_____	_____

Total number of occurrences: 0

D. Are RIDs correct and associated with the correct analytical suite, media subdivision (e.g. surface water, municipal waste, etc.) and activity type (e.g. Field observation, Routine sample, QA sample etc.)?

Yes No

If yes, proceed; if no, indicate errors identified, correct errors in database and re-verify

Station/RID	Sampling Date	RID Corrected	Re-verified?

Total number of occurrences: 0

Step 1 Completed *Initials: SJG Date: 12/14/22*

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?
	<u>11/30/22 emailed AMAFCA on missing parameter; BOD</u>	BOD		

	bottle not submitted for sample.			

*Note – HEAL Lab report order numbers 2210242 & 2210315.

Step 2 Completed *Initials: SJK* *Date: 12/14/22*

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: SJK* *Date: 12/14/22*

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	<u>10/5/2022</u>	Lab report lists Dissolved Phosphorous results as "Total Phosphorous" for "filtered sample".	BHI added note to the lab report.

Total number of occurrences: 1

Step 4 Completed *Initials: SJK Date: 12/14/22*

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: 12/14/22*

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: SJK* *Date: 12/14/22*

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: SJK* *Date: 12/14/22*

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



12/14/22

 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 2023 (October 2022 – Wet Season Sample)

Project Coordinator: For Data Review and Reporting – SJG, BHI

V&V Reviewer: SJG

Data covered by this worksheet: Alameda – 10/5/2022– E. coli Only Sample

Version of Verification/Validation Procedures: QAPP –AMAFCA SOP #5 (7/2022)

Step 1: Verify Field Data

A. Are all Field Data forms present and complete? Yes No

If yes, proceed; if no, attempt to locate missing forms, then indicate any remaining missing forms and action taken.

Missing Field Data Forms	Action Taken
_____	_____
_____	_____

Total number of occurrences: 0

B. Are station name and ID, and sampling date and time on forms consistent with database? Yes No

If yes, proceed; if no, indicate errors identified, correct errors in database and re-verify.

Station and Parameter	Action Taken	Re-verified?
_____	_____	_____
_____	_____	_____

Total number of occurrences: 0

C. Are field data on forms consistent with database? Yes No

If yes, proceed; if no, indicate errors identified, correct errors in database and re-verify.

Station	Sampling Date	Parameter(s) Corrected	Re-verified?
_____	_____	_____	_____
_____	_____	_____	_____

Total number of occurrences: 0

D. Are RIDs correct and associated with the correct analytical suite, media subdivision (e.g. surface water, municipal waste, etc.) and activity type (e.g. Field observation, Routine sample, QA sample etc.)?

Yes No

If yes, proceed; if no, indicate errors identified, correct errors in database and re-verify

Station/RID	Sampling Date	RID Corrected	Re-verified?

Total number of occurrences: 0

Step 1 Completed Initials: SJG Date: 12/7/22

Step 2: Verify Data Deliverables

A. Have all data in question been delivered? Yes No

If yes, proceed; if no, indicate RIDs with missing data (samples or blanks) or attach report with applicable RIDs highlighted. Contact data source and indicate action taken. Complete this step upon receipt of all missing data.

RID	Submittal Date	Missing Data/Parameters	Date of Initial Verification	Date Missing Data Were Received

Total number of occurrences: 0

B. Do all of the analytical suites have the correct number and type of analytes. Yes No

If yes, proceed; if no, indicate RIDs with missing or incorrect analyte(s) or attach report with applicable RIDs highlighted. Contact data source and indicate action taken.

RID	Submittal Date	Missing or Incorrect Parameters	Action Taken	Re-verified?

Step 2 Completed Initials: SJG Date: 12/7/22

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: 12/7/22*

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: SJJ Date: 12/7/22*

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: 12/7/22

Step 6: Validate Holding Times Violations

Were any samples submitted that did not meet specified holding times? Yes No

If no, proceed; if yes, list results that need to have validation codes applied in the database save these results as an excel file and forward to QA officer or Program Manager with a request to add appropriate validation codes to database. Complete this step after verifying that validation codes/flags have been added to database.

RID	Sample Date	Parameter	[Blank]	[Sample]	Validation Code/Flag Applied	Code/Flag verified in database to ALL associated data?*

*See validation procedures to determine which associated data need to be flagged.

Total number of occurrences: 0

Step 6 Completed Initials: SJG Date: 12/7/22

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: SJG Date: 12/7/22

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



12/7/22

 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 2023 (October 2022 – Wet Season Sample) **Project Coordinator:** For Data Review and Reporting – SJG, BHI

V&V Reviewer: SJG

Data covered by this worksheet: Rio Grande South – 10/6/2022

Version of Verification/Validation Procedures: QAPP –AMAFCA SOP #5 (7/2022)

Step 1: Verify Field Data

A. Are all Field Data forms present and complete? Yes No

If yes, proceed; if no, attempt to locate missing forms, then indicate any remaining missing forms and action taken.

Missing Field Data Forms	Action Taken
_____	_____
_____	_____

Total number of occurrences: 0

B. Are station name and ID, and sampling date and time on forms consistent with database? Yes No

If yes, proceed; if no, indicate errors identified, correct errors in database and re-verify.

Station and Parameter	Action Taken	Re-verified?
_____	_____	_____
_____	_____	_____

Total number of occurrences: 0

C. Are field data on forms consistent with database? Yes No

If yes, proceed; if no, indicate errors identified, correct errors in database and re-verify.

Station	Sampling Date	Parameter(s) Corrected	Re-verified?
_____	_____	_____	_____
_____	_____	_____	_____

Total number of occurrences: 0

D. Are RIDs correct and associated with the correct analytical suite, media subdivision (e.g. surface water, municipal waste, etc.) and activity type (e.g. Field observation, Routine sample, QA sample etc.)?

Yes No

If yes, proceed; if no, indicate errors identified, correct errors in database and re-verify

Station/RID	Sampling Date	RID Corrected	Re-verified?

Total number of occurrences: 0

Step 1 Completed *Initials: SJG Date: 12/14/22*

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?
	<u>11/30/22 emailed AMAFCA on missing parameter; BOD bottle not</u>	BOD		

	<u>submitted for sample.</u>			

*Note – HEAL Lab report order number 2210315.

Step 2 Completed *Initials: SJG Date: 12/14/22*

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: 12/14/22*

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	<u>10/6/2022</u>	Lab report lists Dissolved Phosphorous results as "Total Phosphorous" for "filtered sample".	BHI added note to the lab report.

*Note – HEAL Lab report order number 2210315.

Total number of occurrences: 1

Step 4 Completed *Initials: SJG Date: 12/14/22*

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: 12/14/22*

Step 6: Validate Holding Times Violations

Were any samples submitted that did not meet specified holding times? Yes No

If no, proceed; if yes, list results that need to have validation codes applied in the database save these results as an excel file and forward to QA officer or Program Manager with a request to add appropriate validation codes to database. Complete this step after verifying that validation codes/flags have been added to database.

RID	Sample Date	Parameter	[Blank]	[Sample]	Validation Code/Flag Applied	Code/Flag verified in database to ALL associated data?*

*See validation procedures to determine which associated data need to be flagged.

*Note – Lab reports lists pH with hold time flag. Database uses field data reported pH, so this is hold time is not applicable.

Total number of occurrences: 0

Step 6 Completed Initials: SJG Date: 12/14/22

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: SJG Date: 12/14/22

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



12/14/22

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.

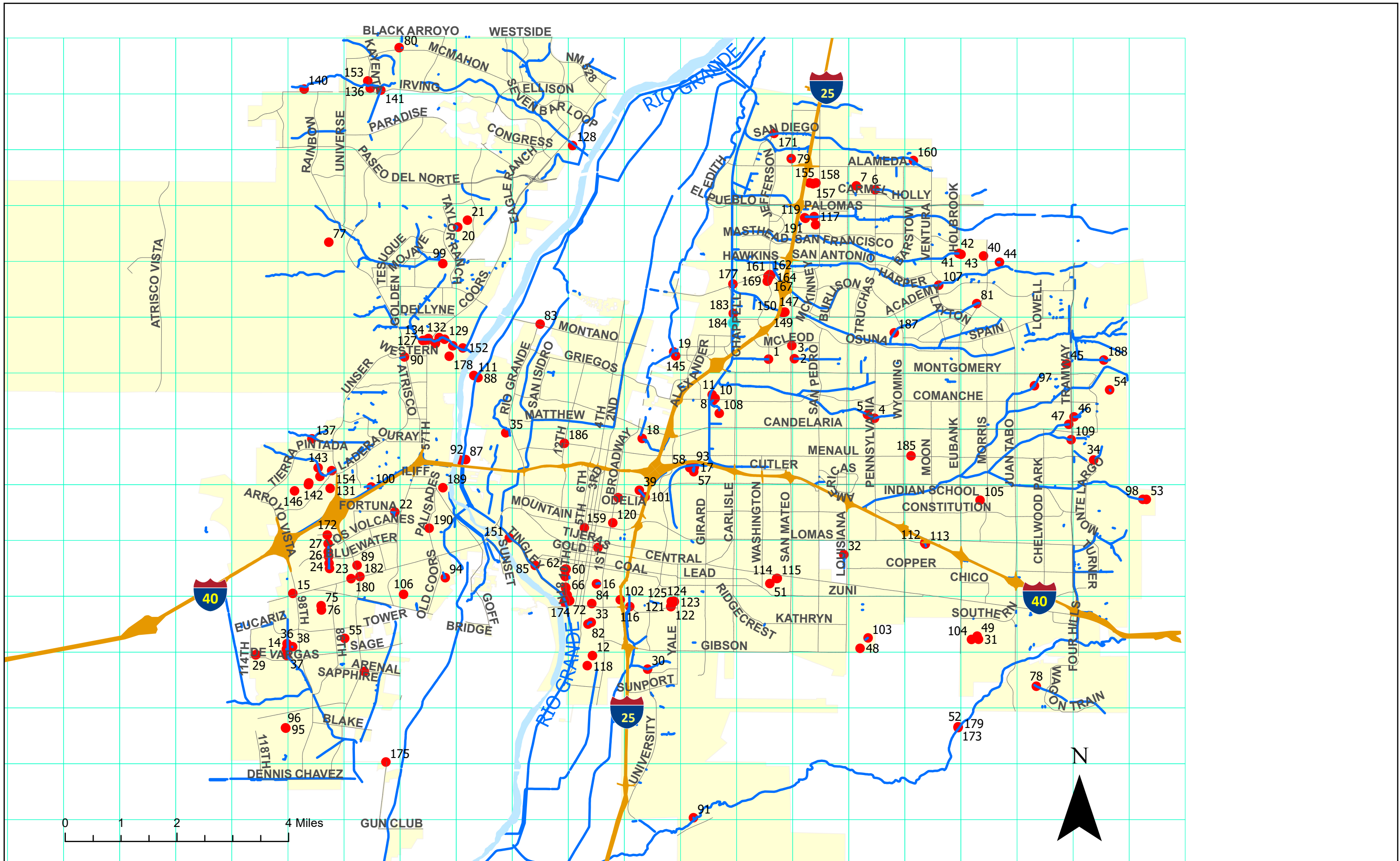
Once all data have been verified and validated for a study provide copies of ALL *Data Verification and Validation Worksheets* and attachments associated with the study to the Quality Assurance Officer and retain originals in the project binder.

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 2
FY2021 Storm Water Quality Features



STORMWATER QUALITY FEATURES 2023

LIST OF STORMWATER QUALITY FEATUR

ID	MAP KEY	LOCATION	STRUCTURE NAME
1	f17	JEFFERSON 0.25 M N MONTGOMERY	SECURITY RACK
2	f18	SAN MATEO 0.25 M N MONGOMERY	SECURITY RACK
3	f17	SAN MATEO 0.1 M S MCLEOD	SECURITY RACK
4	g19	PENNSYLVANIA 0.2 M N CANDELARIA	SECURITY RACK
5	g19	AZTEC 0.1 M W PENSYLVANIA	SECURITY RACK
6	c19	WYOMING 0.25 M N PASEO DEL NORTE	trash rack
7	c19	0.2 M SE LOUISIANA AND CORONA	SECURITY RACK
8	g16	0.1 M SW COMANCHE AND BRYN MAWR	trash rack
9	g16	0.2 M NW COMANCHE AND BRYN MAWR	SECURITY RACK
10	g16	0.1 M NW COMANCHE AND BRYN MAWR	SECURITY RACK
11	g16	0.15 M NW COMANCHE AND BRYN MAWR	trash rack
12	m14	Mechem Pond Conc-Box	concrete box spillway
13	m10	0.1 M SE ARENAL AND UNSER	trash rack
14	l08	0.1 M NE 102ND ST AND PEACOCK	SECURITY RACK
15	k09	0.1 M NW CENTRAL AND 98TH ST	trash rack
16	k14	0.1 M SW BROADWAY AND HAZELDINE SW	concrete box spillway
17	h16	CUTLER AND PRINCETON PS inlet	trash rack
18	h15	0.25 M SE CANDELARIA AND EDITH	trash rack
19	f15	0.25 M NE MONTANO AND EDITH	trash rack
20	d12	PRIMROSE AND FIREWHEEL	trash rack
21	d12	0.2 M SW GOLF COURSE AND BUTTERFIELD	trash rack
22	j10	0.1 M SW COORS AND FORTUNA	trash rack
23	k09	0.5 M SW UNSER AND BLUEWATER	ported riser
24	k09	0.4 M SW UNSER AND BLUEWATER	ported riser
25	k09	BLUEWATER 0.4 M W UNSER	ported riser
26	k09	0.4 M NW UNSER AND BLUEWATER	ported riser
27	k09	0.5 M NW UNSER AND BLUEWATER	ported riser
28	m08	TEAL AND OSPREY-small	SECURITY RACK
29	m08	TEAL AND OSPREY	SECURITY RACK
30	m15	0.1 M SW UNIVERSITY AND SAN JOSE	SECURITY RACK
31	l21	0.5 M SE EUBANK AND SOUTHERN	trash rack
32	k18	Expo NM Pond at LOMAS AND LOUISIANA	Ported Riser
33	l14	WILLIAM AND KATHRYN	SECURITY RACK
34	h23	PIEDRALISA DAM at 0.2 M NE MENAUL AND	ported riser
35	h12	LOS ANAYAS AND LOS LUCEROS	trash rack
36	l08	SE HACKAMORE AND HALTER	trash rack
37	m08	NE PEACOCK AND TEAL	trash rack
38	l09	TERRACOTTA AND MALACHITE	trash rack
39	j15	NE ODELIA AND LOCUST	ported riser
40	d21	NW EUBANK AND SANTA MONICA	ported riser
41	d20	0.1 M S HOLBROOK AND FREEDOM-north	SECURITY RACK
42	d20	0.1 M S HOLBROOK AND FREEDOM-south	SECURITY RACK
43	d20	0.1 M SW QUINTESENCE AND TOULON	trash rack
44	e21	SAN ANTONIO 0.2 M E EUBANK	SECURITY RACK

ID	MAP KEY	LOCATION	STRUCTURE NAME
45	f22	EASEMENT NEXT TO HOUSE# 4800 OAHU NE	trash rack
46	g23	TRAMWAY 0.25 M N CANDELARIA	trash rack
47	g22	TRAMWAY 0.1 M N CANDELARIA	security rack
48	l19	KAFB DET DAM AT LOUISIANA AND GIBSON	trash rack
49	l21	Manzano mesa pond-north rack	trash rack
50	k13	NW 8TH ST AND ATLANTIC	trash rack
51	k17	NE COAL AND JEFFERSON	trash rack
52	n20	EUBANK 1.25 M S GIBSON	security rack
53	j24	0.4 M E INDIAN SCHOOL AND HAINES	ported riser
54	g23	0.1 M SE HIDDEN VALLEY AND DEER TRAIL	trash rack
55	l10	SE TOWER AND 86TH ST	bee hive trash rack
56	l13	0.2 M NW BRIDGE AND 8TH ST	security rack
57	h16	PRINCETON AND CUTLER	trash rack
58	h16	200 FT NORTH OF CUTLER AND PRINCETON N	trash rack
59	k13	8th west of 717 stover sw	Inlets with Trash Screen
60	k13	8th st sw west of 717 stover sw	Inlets with Trash Screen
61	k13	8th east of 801 stover sw	Inlets with Trash Screen
62	k13	801 stover sw	Inlets with Trash Screen
63	k13	800 stover sw	Inlets with Trash Screen
64	k13	8th east of 800 stover sw	Inlets with Trash Screen
65	k13	8th west of 724 stover sw	Inlets with Trash Screen
66	k13	8th east of 800 pacific sw	Inlets with Trash Screen
67	k13	800 pacific sw	Inlets with Trash Screen
68	k13	pacific s of 1017 8th sw	Inlets with Trash Screen
69	k13	806 Marquez sw	Inlets with Trash Screen
70	k13	Marquez south of 1223 8th sw	Inlet with Trash Screen
71	k13	1304 8th sw	Inlet with Trash Screen
72	l14	1412 8th sw	Inlet with Trash Screen
73	l14	1411 8th sw	Inlet with Trash Screen
74	l14	1407 8th sw	Inlet with Trash Screen
75	l09	90th st se, 150 ft south of sunset gardens se	Trash Screen
76	l09	90th st se, 550 ft south of sunset gardens se	Trash Screen
77	d09	8501 Groundsel nw	Trash Screen
78	m22	four hills arroyo at sage brush	Trash Screen
79	c17	5117 blue sage ne (and san mateo)	Security Rack
80	a10	6200 Nueva Espana nw	Trash Screen
81	e21	Academy hills park-Eubank and Juan Tabo	Trash Screen
82	l14	ported riser inside William-Kathryn pond	ported riser
83	f13	PS 47 Rio Grande BLVD - Montanio	MECHANICAL TRASH RA
84	l14	101 bell at commercial-ps 37 mech bar scree	MECHANICAL TRASH RA
85	k13	900 ALCALDE SW PS 41 mech bar screen	MECHANICAL TRASH RA
86	k14	200 1ST ST NW PS 43	MECHANICAL TRASH RA
87	h12	3241 DURANES NW PS 30	mechanical trash rack
88	g12	3001 CANDELARIA NW PS 40	mechanical trash rack
89	k10	UNSER & BLUEWATER	ported riser
90	f11	ladera 16-at atrisco and western trail	trash rack
91	p16	Airport-Tijeras outfall	Security Screen

ID	MAP KEY	LOCATION	STRUCTURE NAME
92	h12	Durance pump-discharge pipe	Security Screen
93	h16	Princeton ps discharge pipes-4 pipes	Security Screen
94	k11	Gonzalez outlet pipe	concrete box
95	n08	sierra sunset park-south 54 in pipe	Trash screen
96	n08	SIERRA SUNSET PARK-NORTH 48 IN PIPE	Trash screen
97	g22	11805 la Charles NE	Security screen
98	j24	Embudo principal spillway pipe-security rack	security rack
99	e11	inside Mariposa pond	hooded riser
100	j10	laurelwood pond	concrete box
101	j15	Odelia-I-25 tunnels	security rack
102	j14	high-lewis outlets	security rack
103	l19	KAFB pond - north inlets	security rack
104	l21	manzano mesa south round trash rack	Stormceptor
105	j21	1609 betts ne	SWQ MH
106	k11	600 Fresam sw	permeable pavement
107	e20	south pino arroyo at ventura	SWQ structure
108	g16	Aztec and Bryn Mawr ne	2 SWQ Inlets
109	h22	piedra lisa arroyo at tramway	Permeable pavers
110	d18	south domingo baca arroyo-west of san pedr	Bio-Swales
111	g12	3001 CANDELARIA PS 40 outfall	security rack
112	k20	I-40-lomas-animal shelter	TRASH RACK
113	k20	los altos park and animal shelter	SECURITY RACK
114	k17	Highland Senior Center at 131 Monroe St NE	SWQF
115	k17	Highland Senior Center at 131 Monroe St NE	SWQF
116	L15	avanida cesar chavez se at I-25	swq-mh
117	d18	pino yard at pino and san pedro	SWQF
118	g16	san jose park at san jose and topeka se	SWQF
119	d18	pino yard at pino and san pedro	SWQF
120	j14	Marble-Arno PS	Mechanical Barscreen
121	l15	sb Buena vista north of avenida cesar chavez	swq-inlet
122	l15	nb Buena vista north of avenida cesar chavez	swq-inlet
123	l15	Bell east of wilmoore	swq-inlet
124	l15	Bell west of wilmoore	swq-inlet
125	l15	Bell east of buena vista	swq-inlet
126	f11	End of McNary	swq-inlet
127	f11	end of Hayden	swq-inlet
128	b14	westside-Riverf Front NW east of coors	swq-inlet
129	f11	Mi Cordelia NW-East of Cordelia R/W by arry	swq-mh
130	f11	Sevilla	swq-mh
131	j9	Parkway-Lynnhaven-Somerset NW	swq-mh
132	f11	sevlla east of calle espana	swq-inlet
133	f11	monte frio north of eduardo	swq-mh
134	f11	costa maresme	swq-mh
135	f11	stafford	swq-mh
136	a10	sierra nevada NW	swq-mh
137	h9	end of mesa rain	swq-mh
138	h9	end of casa vistosa	swq-mh

ID	MAP KEY	LOCATION	STRUCTURE NAME
139	h9	casa verde	swq-mh
140	a9	prickly brush	swq-mh
141	a10	pyrenees and Irving NW	swq-inlet
142	h9	casa verde	swq-mh
143	h9	end of eagle river	swq-inlet
144	f15	montano-montbel	PORTED RISER
145	j9	montano-montbel	ported riser
146	j9	summer breeze-stormcloud	swq-mh
147	e17	osuna-san mateo-i-25	swq-mh
148	e17	osuna-san mateo-i-25	swq-mh
149	e17	osuna-san mateo-i-25	swq-mh
150	e17	osuna-san mateo-i-25	swq-mh
151	j12	tingley-central	swq-inlet
152	f12	end of vallebonita	swq-inlet
153	a10	burgos-kayenta NW	swq-mh
154	h9	ladera	swq-mh
155	c18	end of corona	swq-inlet
156	c18	ute south of corona	swq-inlet
157	c18	ute south of corona	swq-inlet
158	c18	corona west of san pedro	swq-inlet
159	j14	ne of fruit and 5th	swq-inlet
160	c20	end of oak ridge	swq-mh
161	e17	ne of osuna and jefferson	swq-inlet
162	e17	ne of osuna and jefferson	swq-inlet
163	e17	ne of osuna and jefferson	swq-inlet
164	e17	ne of osuna and jefferson	swq-inlet
165	e17	se of osuna and jefferson	swq-inlet
166	e17	se of osuna and jefferson	swq-inlet
167	e17	jefferson south of osuna	swq-inlet
168	e17	jefferson south of osuna	swq-inlet
169	e17	jefferson south of osuna	swq-inlet
170	e17	se of osuna and jefferson	swq-inlet
171	b17	san diego west of san mateo	swq-inlet
172	j9	daytona-los volcanes-unser	SWQF
173	n20	Eubank outfall at Tijeras arroyo	SWQF
174	l13	barelas ps screen	TRASH RACK
175	n10	FLORA VISTA and COORS	SWQF
176	j14	AQ pond-end of franciscan	CONC-BOX
177	e16	osuna-ndc	swq-mh
178	f11	end of namaste-rio grande-SWQ-MH	swq-mh
179	n20	EUBANK OUTFALL SWQF	INFILTRATION BED
180	k10	central-sarracino	ported riser
181	k10	ne-nw central-unser	ported riser
182	k10	ne central-unser nw	LID swq inlet
183	e16	ndc north of singer ne	SWQ MH
184	f16	west of commons-midway park ne	SWQ NMDOT type inlet-
185	h20	phoenix and menaul	swq inlet

ID	MAP KEY	LOCATION	STRUCTURE NAME
186	H-13	Menaul and 12TH st NW	SWQ MH
187	F-19	lower bear tributary SWQ facility	trash fences
188	f23	4801 calle de luna ne	TRASH RACK
189	D18	Pino yard pond at 5501 pino ne	SWQ pond lining

Attachment 3
Impervious Area Added

FY 2022

DRAINAGE FILE	PROJECT NAME/DES	Sumital Date	APPROVAL SOUGHT	ACRES IMP	WQ POND AT CO	SQ FT IMP FEE IN LIEU	AMOUNT PAID FEE IN LIEU
A10D010	SAMS ACADEMY	06-Jan-23	CO-TEMP-30				
A10D010	SAMS ACADEMY	03-Apr-23	CO-PERM-R	2.58	Yes		
A12D031	10538 DOVER (REVISION#2)	27-Sep-22	CO-PERM	0.11	No		
A14D019	DUTCH BROTHERS COFFEE, 3615 HWY 528	01-Feb-23	CO-TEMP				
B10D003C3	VENTANA SQUARE SUBDIVISION	07-Sep-22	ROFG		No		
B10D003H	DIONS PASEO AND UNIVERSE	08-Nov-22	CO-TEMP				
B10D003H	DIONS PASEO AND UNIVERSE	09-Dec-22	CO-PERM	0.89	Yes		
B10D003J	CHAMPION XPRESS CAR WASH	12-May-23	CO/PERM	0.65	Yes		
B13D011E	9900 ACADEMY	13-Sep-22	CO-PERM	0.12	No		
B14D001B	ALAMEDA WEST POND	20-Sep-22	CO-PERM	0.51	Yes		
B14D001B	ALAMEDA WEST SHOPPING CENTER	23-Dec-22	CO-TEMP				
B18D027	AUTO NATION	12-Dec-22	CO-TEMP				
B18D027	AUTO NATION	09-Jan-23	CO-PERM	4.35	Yes		
C09D011	VALLE PRADO UNIT 5 LOTS 1-46	05-Oct-22	ROFG	5.50	Yes		
C09D013	CATALONIA UNIT 3A	30-Aug-22	ROFG	8.28	Yes		
C18D107	HORIZON GLASS	02-Aug-22	CO-TEMP				
C18D107	HORIZON GLASS	05-Aug-22	CO-PERM	0.33	Yes		
C19D011D6	TULAS -8100 WYOMING	27-Sep-22	CO-PERM	0.05	No	1,992.00	\$372.00
C20D087	8920 EAGLE ROCK (REVISION)	20-Jun-23	CO-PERM	0.20	Yes		
D10D003B21	8005 CAMINO ALTO	22-Jul-22	CO-PERM	0.12	Yes		
D10D003B24	8012 CAMINO ALDERETTE	05-Jun-23	CO-PERM	0.11	Yes		
D10D003B27&28	6201 & 6205 PAPAGAYO (REVISION)	06-Sep-22	CO-PERM	0.12	Yes		
D10D003C10	6327 CAMINO ALTO RD NW	26-Oct-22	CO-PERM	0.10	Yes		
D10D003D16	6427 CANAVIO RD	29-Sep-22	CO-PERM				
D10D003D16	6427 CANAVIO RD	04-Oct-22	CO-PERM-R	0.12	Yes		
D10D003E11	6316 CANVIO	19-Jan-23	CO-PERM	0.11	Yes		
D10D003E8	6400 CANAVIO	07-Feb-23	CO-PERM	0.12	Yes		
D10D003F6	6412 PETIRROJO	20-Jul-22	CO-PERM	0.12	Yes		
D10D003H1	6555 AZOR DR	26-Jul-22	CO-PERM	0.11	Yes		
D10D003H10	6519 AZOR DR	25-May-23	CO-PERM	0.11	Yes		
D10D003H13	6509 AZOR	06-Jun-23	CO-PERM	0.12	Yes		
D10D003H20	7831 URRACA	21-Mar-23	CO-PERM	0.11	Yes		
D10D003H23	6508 PETIRROJO	21-Feb-23	CO-PERM	0.12	Yes		
D10D003I11	6524 PAPAGAYO	20-Sep-22	CO-PERM				
D10D003I11	6524 PAPAGAYO	03-Oct-22	CO-PERM-R	0.12	Yes		
D10D003I16	6520 CANAVIO	26-Oct-22	CO-PERM	0.11	Yes		
D10D003I2	6605 PETIRROJO	14-Dec-22	CO-PERM				
D10D003I2	6605 PETIRROJO	11-Jan-23	CO-PERM-R	0.11	Yes		
D10D003I22	6501 PICARDIA	29-Dec-22	CO-PERM				
D10D003I22	6501 PICARDIA	22-Feb-23	CO-PERM-R	0.12	Yes		
D10D003I25	6511 PICARDIA	16-Jun-23	CO-PERM	0.12	Yes		
D10D003J1	8000 COMPASS	04-Jul-22	CO-PERM	0.11	Yes		
D10D003J1	6620 PAPAGAYO	18-May-23	CO	0.12	Yes		
D10D003J10	6611 CUERVO PL	13-Dec-22	CO-PERM				

FY 2022

DRAINAGE FILE	PROJECT NAME/DES	Sumital Date	APPROVAL SOUGHT	ACRES IMP	WQ POND AT CO	SQ FT IMP FEE IN LIEU	AMOUNT PAID FEE IN LIEU
D10D003J10	6611 CUERVO PL	06-Jan-23	CO-PERM-R	0.12	Yes		
D10D003K15	6636 SUJETO ROAD NW (POOL ADDN)	23-Nov-22	CO-PERM				
D10D003K19	6620 SUJETO RD NW	12-Oct-22	CO-PERM-R	0.11	Yes		
D10D003L17	6527 PAPAGAYO	13-Jan-23	CO-PERM				
D10D003L17	6527 PAPAGAYO	22-Feb-23	CO-PERM-R	0.12	Yes		
D10D003L7	6508 PATO RD	25-Aug-22	CO-PERM	0.12	Yes		
D10D003M13	6524 KIMMICK	17-Feb-23	CO-PERM	0.11	Yes		
D10D003M24	6515 PATO RD	19-Sep-22	CO-PERM	0.12	Yes		
D10D003M38	6619 SUJETO	27-Sep-22	CO-PERM	0.11	Yes		
D10D003N1	8001 ALTO REY CT	09-Feb-23	CO-PERM	0.11	Yes		
D10D003N10	8008 ALTO REY CT	12-May-23	CO/PERM	0.12	Yes		
D10D003N11	8004 ALTO REY CT	14-Nov-22	CO-PERM	0.11	Yes		
D10D003N12	8000 ALTO REY CT	23-Jan-23	CO-PERM	0.12	Yes		
D10D003N13	8001 AGUA FRIA CT	19-Dec-22	CO-PERM	0.12	Yes		
D10D003N14	8005 AGUA FRIA CT	26-Jun-23	CO-PERM	0.13	Yes		
D10D003N15	8009 AGUA FRIA CT	12-May-23	CO/PERM	0.11	Yes		
D10D003N16	8011 AGUA FRIA CT	15-Jun-23	CO-PERM	0.11	Yes		
D10D003N17	8015 AGUA FRIA CT	18-May-23	CO-PERM	0.12	Yes		
D10D003N2	8005 ALTO REY CT	14-Nov-22	CO-PERM	0.12	Yes		
D10D003N21	8012 AGUA FRIA CT	12-May-23	CO/PERM	0.11	Yes		
D10D003N22	8008 AGUA FRIA CT	15-Jun-23	CO-PERM	0.11	Yes		
D10D003N3	8009 ALTO REY CT LOT 3 BLOCK 1 UNIT 22 VOLCANO CLIFFS	15-Jun-23	CO-PERM	0.11	Yes		
D10D003N4	8011 ALTO REY CT	15-Nov-22	CO-PERM	0.11	Yes		
D10D003N7	8020 ALTO REY CT	18-Jan-23	CO-PERM	0.12	Yes		
D10D003N8	8016 ALTO REY CT	12-May-23	CO/PERM	0.11	Yes		
D10D003N9	8012 ALTO REY CT	14-Nov-22	CO-PERM	0.11	Yes		
D10D003Q4	6432 PICARDIA	10-Mar-23	CO-PERM	0.12	Yes		
D10D003U8	7809 URRACA	26-Oct-22	CO-PERM	0.13	Yes		
D10D003V49	6208 PAPAGAYO	14-Nov-22	CO-PERM	0.12	Yes		
D10D021	6709 RIM ROCK	19-Oct-22	CO-PERM	0.11	Yes		
D10D022	6701 RIM ROCK	19-Oct-22	CO-PERM	0.11	Yes		
D10D023	6705 RIM ROCK	19-Oct-22	CO-PERM	0.11	Yes		
D10D024	6823 RIMROCK	21-Feb-23	CO-PERM				
D10D024	6823 RIMROCK	28-Mar-23	CO-PERM-R				
D10D024	6823 RIMROCK	06-Jun-23	CO-PERM-R	0.12	Yes		
D16D002H	APPLE CANYON GORMET - 1301 CUESTA ABAJO	21-Jul-22	CO-TEMP				
D16D002H	APPLE CANYON GORMET - 1301 CUESTA ABAJO	29-Aug-22	CO-PERM	1.30	Yes		
D16D002K	THOMPSON CONSTRUCTION STORAGE	01-May-23	CO-PERM	0.14	Yes		
D17D003A	COTTONWOOD CLASSICAL ACADEMY- 7801 JEFFERSON ST NE (REVISION)	04-May-23	CO-PERM	1.24	Yes		
D17D003AA7	RUTLEDGE SPEC BUILDING	16-Jun-23	CO-PERM	3.68	Yes		
D17D107	LEGACY 2@ JOURNAL CENTER - 7800 HEADLINE BLUD NE	02-May-23	CO-PERM	3.02	No	130,228.60	\$36,464.00
D18D057	NMDOT GARAGE	10-Mar-23	CO-PERM	0.80	Yes		
E10D068	7919 MAUNA LOA (REVISION)	02-Sep-22	CO-PERM	0.12	Yes		
E10D079	GOLDEN TOWNHOMES	12-Oct-22	CO-PERM	0.92	Yes		

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DRAINAGE FILE	PROJECT NAME/DES	Sumital Date	APPROVAL SOUGHT	ACRES IMP	WQ POND AT CO	SQ FT IMP FEE IN LIEU	AMOUNT PAID FEE IN LIEU
E10D096	5615 CINDERCONCONE	30-May-23	CO-PERM	0.12	Yes		
E10D102	6223 KAYENTA	03-Aug-22	CO-PERM	0.11	Yes		
E10D105	7924 VICTORIA	08-Aug-22	CO-PERM	0.13	Yes		
E10D109	6309 LITTLE JOE	13-Oct-22	CO-PERM	0.12	Yes		
E10D110	5620 KIMBERLITE	09-Feb-23	CO-PERM	0.11	Yes		
E10D111	6208 MARIGOLD DR NW	14-Mar-23	CO-PERM-R				
E10D111	6208 MARIGOLD DR NW	15-Mar-23	CO-PERM				
E10D111	6208 MARIGOLD DR NW	29-Mar-23	CO-PERM-R	0.12	Yes		
E10D119	5619 KIMBERLITE DR	24-May-23	CO-PERM	0.11	Yes		
E11D026	6616 MEADOWLAKE	10-Aug-22	CO-PERM	0.12	Yes		
E17D011B	XRANM	19-Apr-23	CO-PERM	2.47	Yes		
E18D005C	PRESBYTERIAN HOSPICE HOUSE	19-Oct-22	CO-PERM	0.62	Yes		
E18D046	US EAGLE CREDIT UNION-ACADEMY	03-Jan-23	CO-PERM	0.69	Yes		
E21D035	10140 MASTERS	29-Mar-23	CO-PERM	0.16	Yes		
E23D037	13012 SAND CHERRY	13-Dec-22	CO-PERM	0.25	Yes		
F14D076	BOSQUE ESCONDIDO	29-Nov-22	ROFG				
F15D056	ABCWUA DISTRIBUTION FILL SOIL YARD-5408 2ND ST	15-Nov-22	CO-PERM	0.56	Yes		
F23D010D	13500 TRAIL VISTA CT	09-Aug-22	CO-PERM	0.17	Yes		
F23D015	5501 BARRANCA OSO CT NE	05-Nov-22	CO-PERM	0.25	Yes		
G11D069E	THE LEARNING EXPERIENCE	23-Aug-22	CO-PERM	0.82	Yes		
G11D073	3120 VISTA GRANDE	18-Apr-23	CO-PERM	0.11	Yes		
G12D024	CINNAMON MORNING	06-Jan-23	ROFG	0.99	Yes		
G12D037A	2943 TRELIS NW LOT A-4-A	24-Mar-23	CO-PERM	0.09	Yes		
G12D040	2710 SHERIDAN	15-Dec-22	CO-PERM	0.16	Yes		
G14D095	4409 10TH ST NW	03-May-23	CO-PERM	0.12	Yes		
G14D096	INSIGHT CABINET SHOP	21-Apr-23	CO-PERM	0.40	Yes		
G15D049	CUTTERS EDGE	09-May-23	CO-PERM	0.32	Yes		
G15D202	SWMD MAIN & ADMIN BLDGS. PROJECT	13-Apr-23	CO-TEMP				
G15D202	SWMD MAIN & ADMIN BLDGS. PROJECT	07-Jun-23	CO-PERM	8.49	Yes		
G17D011	RAISING CANES-4800 MONTGOMERY BLVD NE	07-Mar-23	CO-PERM	1.35	Yes		
G19D004D	ALBUQUERQUE ER & HOSPITAL	03-May-23	CO-TEMP				
G19D004D	ALBUQUERQUE ER & HOSPITAL	11-May-23	CO-PERM	1.00	No		
H10D032	T&M SELF STORAGE	21-Apr-23	CO-PERM-R	2.85	Yes		
H12D021	2737A CARSON RD	24-May-23	CO-PERM	0.12	Yes		
H14D100	1719 5TH ST NW	02-May-23	CO-TEMP	1.50	Yes		
H14D110	UHAUL 4th ST. & I-40	18-Nov-22	CO-TEMP				
H14D110	UHAUL 4th ST. & I-40	21-Dec-22	CO-PERM	1.71	Yes		
H14D112	BROADWAY MCKNIGHT APPARTMENTS	19-Apr-23	CO-PERM	1.08	Yes		
H14D112	BROADWAY MCKNIGHT APPARTMENTS BLDGS A-J &V-Z	18-May-23	CO-PERM	1.00	Yes		
H16D106	BLAKES LOTABURGER #27 - DRIVE-THRU	12-May-23	CO/PERM	0.06	No	2,613.60	\$464.00
H17D097A	BURGER KING	25-Apr-23	CO-PERM	0.42	No		
H17D116	SCOOTERS COFFEE STORE #1175	16-May-23	CO-PERM	0.40	Yes		
H18D073	COFFEE SHOP, 5200 MENAUL-TENANT IMPROVEMENT	28-Sep-22	CO-PERM	0.46	Yes		
H18D074	5400 MENAUL (REVISION)	16-Mar-23	CO-TEMP				

FY 2022

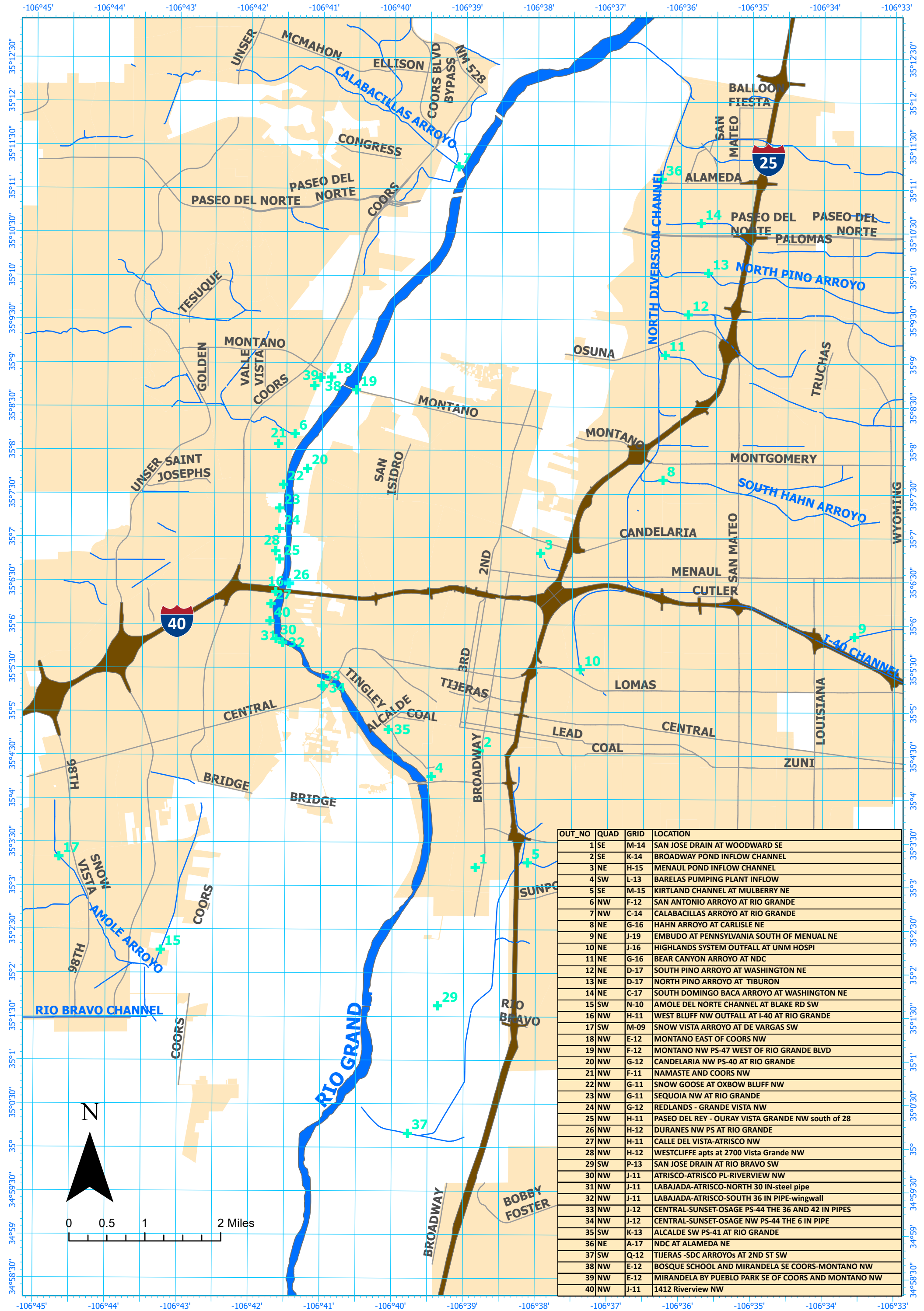
DRAINAGE FILE	PROJECT NAME/DES	Sumital Date	APPROVAL SOUGHT	ACRES IMP	WQ POND AT CO	SQ FT IMP FEE IN LIEU	AMOUNT PAID FEE IN LIEU
H18D074	5400 MENAUL (REVISION)	02-May-23	CO-PERM	0.27	Yes		
H19D084A	2442 LOUISIANA BLVD NE	24-May-23	CO-PERM	1.15	Yes		
H19D091	XPRESS CARWASH- 7509 & 7521 MENAUL NE	25-Oct-22	ROFG				
H20D003D	RAISING CANES #705 2004 WYOMING BLVD NE	05-Apr-23	CO-PERM	0.88	No	38,543.00	\$6,648.00
J08D005	INSPIRATION - ARROYO VISTA MEDIAN SWALE	24-Oct-22	ROFG, WO				
J10D040A	HANOVER PROJECT	08-Feb-23	CO-PERM	1.02	No	44,365.38	\$7,690.00
J11D017	STARBUCKS DEVELOPMENT	16-Jun-23	CO-PERM	0.52	Yes		
J12D033	2617 MOUNTAIN RD NW	22-Feb-23	CO-PERM	0.08	Yes		
J13D070	EXPLORA STEM	19-Jan-23	CO-PERM	0.12	Yes		
J13D103	FIERRO RESIDENCE 210 CLAYTON ST SW	16-Mar-23	CO-PERM	0.11	Yes		
J13D104	1519 ROSEMONT	04-Jan-23	CO-PERM	0.10	Yes		
J14D184	OLAGUE WAREHOUSE	13-Jun-23	CO-PERM	0.12	Yes		
J17D038	4231 COE NE	16-Mar-23	CO-PERM	0.11	Yes		
J18D049	CARDENAS TOWN HOMES	24-Oct-22	CO-PERM	0.41	Yes		
J22D050	ABQ. SCHOOL OF EXCELLENCE (REVISION)X10	27-Feb-23	CO-TEMP				
J22D050	ABQ. SCHOOL OF EXCELLENCE (REVISION)X10	20-Jun-23	CO-PERM	2.92	Yes		
J23D031	1625 VALDEZ	10-Mar-23	CO-PERM	0.12	Yes		
K09D043	L & C TRANSPORT	29-Dec-22	CO-PERM	0.35	Yes		
K09D051	TITAN 150K SPEC - INTERIM FOR RETENTION POND	23-Jun-23	CO-TEMP	6.69	Yes		
K10D047	JIFFY LUBE - 130 COORS BLVD NW	23-Jun-23	CO-TEMP	0.68	Yes		
K11D066A	439 52ND St. SW	02-Feb-23	CO-PERM	0.12	Yes		
K12D005A	STARBUCKS @ RANCH MARKET- 4201 CENTRAL NW	30-Nov-22	CO-TEMP	0.38	Yes		
K13D034I	ASIA EXHIBIT AT COA BIOPARK (REVISION)	26-Jun-23	CO-TEMP	1.84	Yes		
K14D087B	SILVER TOWNHOMES BLOCK A-1-A	17-Feb-23	CO-PERM	0.11	No	4,939.70	\$1,408.00
K14D087C	SILVER TOWNHOMES BLOCK C-1-A	03-Nov-22	CO-PERM	0.11	No	4,952.10	\$1,384.00
K14D225	615 IRON ST SW	01-Mar-23	CO-PERM	0.12	Yes		
K15D005H	PRESBYTERIAN HOSPITAL EXPANSION TOWER AND SITE IMPROVEMENTS	05-Dec-22	CO-TEMP				
K15D005H	PRESBYTERIAN HOSPITAL EXPANSION TOWER AND SITE IMPROVEMENTS	16-Dec-22	CO-PERM	0.09	No		
K15D046A	PRESBYTERIAN HOSPITAL ADDITION AND RENOVATION	30-Mar-23	CO-PERM	0.38	No		
K16D089	409 HARVARD	30-Mar-23	CO-PERM	0.12	Yes		
K16D090	WEEMS OFFICE BUILDING 106 WELLESLEY SE	26-Oct-22	CO-PERM	0.13	No		
K16D094	BACA TOWNHOMES	29-Dec-22	CO-PERM	0.08	Yes		
K16D202	315 CORNELL	18-Jul-22	CO-PERM	0.12	Yes		
K19D108A	FIESTA SUBARU	30-Jun-23	CO-PERM	3.47	Yes	100,846.00	\$17,480.00
K22D062	COPPER TERRACE APARTMENTS BUILDING A	19-Jun-23	CO-PERM	0.14	Yes		
L15D056	CHAMPION XPRESS CAR WASH	14-Feb-23	CO-TEMP				
L15D056	CHAMPION XPRESS CAR WASH	22-Feb-23	CO-PERM-R	0.98	Yes		
L17D027	1100 RIDGECREST RD SE	05-Jun-23	CO-PERM	0.13	Yes		
L17D028	801 MORNINGSIDE SE	24-Feb-23	CO-PERM	0.12	Yes		
L19D023	C AND D LAND CORP	28-Mar-23	CO-TEMP				
L19D023	C AND D LAND CORP	20-Jun-23	CO-PERM	0.47	Yes		
L19D043	PHIL CHACON MEMORIAL SUBSTATION	24-Aug-22	CO-PERM	0.80	Yes		
L20D075	JB HENDERSON FAB FACILITY	21-Nov-22	CO-PERM	1.01	Yes		
L23D035	609 WINTERWOOD PL SE	25-Aug-22	CO-PERM	0.12	Yes		

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DRAINAGE FILE	PROJECT NAME/DES	Sumital Date	APPROVAL SOUGHT	ACRES IMP	WQ POND AT CO	SQ FT IMP FEE IN LIEU	AMOUNT PAID FEE IN LIEU
M14D012I	KRAMER FIELDS	04-Oct-22	CO-PERM	0.88	Yes		
M15D036	SUNPORT APARTMENTS	24-Oct-22	CO-PERM	1.90	No	283,200.00	\$9,912.00
M22D006A	1328 WAGON TRAIL SE	19-Dec-22	CO-PERM	0.10	Yes		
M23D021	ELLIOTT RESIDENCE GARAGE ADDITION (NO PAD CERT REQUIRED PER R.B.)	17-Aug-22	CO-PERM	0.09	Yes		
N08D006F2	ASPIRE SUBDIVISION UNIT 1	19-Aug-22	ROFG	11.90	Yes		
N08D006F3	ASPIRE SUB UNIT 2	11-May-23	ROFG/SIA	11.90	Yes		
P09D002G	CEJA VISTA APARTMENT COMPLEX PHASE 2 BLDG A	15-May-23	CO-PERM	1.90	Yes		
P15D004	KABQ CARGO FACILITY-2200 SUNPORT(SPIRIT AVE)	11-Oct-22	CO-TEMP				
P15D004	KABQ CARGO FACILITY-2200 SUNPORT(SPIRIT AVE)	03-Feb-23	CO-PERM	2.81	Yes		
R16D006A	MESA DEL SOL - MONTAGE UNIT 4A, TRACTS A-6-C1, INNOVATION PARK	31-Jan-23	ROFG	30.00	Yes		
R16D006B	MESA DEL SOL - MONTAGE UNIT 4B, TRACTS A-6-C1, INNOVATION PARK	08-Mar-23	ROFG	30.50	Yes		
R16D099	MESA DEL SOL INT'L SCHOOL	14-Jul-22	CO-TEMP				
R16D099	MESA DEL SOL INT'L SCHOOL	20-Sep-22	CO-PERM	5.05	Yes		
				Total Impervious Area (acres)		Total Impervious Area - Payment-in-Lieu (acres)	Total Payment-in-Lieu (Dollars)
				193.74		14.04	\$81,822.00

Attachment 4
Dry Weather Screening Results

**Dry Weather Screening
of Outfalls
2023
Report**



Outfall Locations

DRY WEATHER OUTFALLS SCREENING 2023

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21	NAMASTE AND COORS NW	NW	F-11	21
22	SNOW GOOSE AT OXBOW BLUFF NW	NW	G-11	22
23	SEQUOIA NW AT RIO GRANDE	NW	G-11	23
24	REDLANDS - GRANDE VISTA NW	NW	G-12	24
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LOCATION **SAN JOSE DRAIN AT BETHEL SE**

OUTFALL_NO **1** QUAD **SE** GRID **M-14** SAMPLED

DATE_INSP **11/21/2022** TIME **10:55** Inspected by **SK**

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\2023\2 - DW Screening-2022-2023\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	



LOCATION **BROADWAY POND INFLOW CHANNEL**

OUTFALL_NO **2** QUAD **SE** GRID **K-14** SAMPLED

DATE_INSP **1/13/2023** TIME **10:00** Inspected by **SL**

WEATHER **CLOUDY** flow **Y** FLOW_GPM **5**

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\2023\2 - DW Screening--new-2022-2023\2-K>

AIR_TEMP_F	39	Lab	
WATER_TEMP_F	32	Lab_Report	2301537
pH	8.1	E_coli_Coliform_mpn/100ml	>2419.6
CONDUCTIVITY_Umos/cm	510	Ammonia_mg/l	<1
BOD_mg/l	<2	Nitrite_NO2_mg/l	<0.5
COD_mg/l	<20	Nitrate_NO3_mg/l	<0.5
TSS_mg/l	<4	TKN_Tot_Kjeld_N_mg/l	<1
TDS_mg/l	301	Phosphorus_total_mg/l_P	0.39
N-Hexane Extractable-(Oil_Grease)_mg/l	<9.9	Hardness_mg/l_CaCO3	190
Floride_mg/l	0.68	Chlorine_mg/l	<0.05



LOCATION **MENAU POND INFLOW CHANNEL**

OUTFALL_NO **3** QUAD **NE** GRID **H-15** SAMPLED

DATE_INSP **11/21/2022** TIME **2:40** Inspected by **SK**

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\2023\2 - DW Screening-2022-2023\East\3-H

AIR_TEMP_F	50	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 **BARELAS PUMPING PLANT INFLOW**

OUTFALL_NO **4** QUAD **SW** GRID **L-13** SAMPLED

DATE_INSP **11/29/2022** TIME **10:45** Inspected by **SK**

WEATHER **SUNNY** flow **Y** FLOW_GPM **5**

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\2023\2 - DW Screening--new-2022-2023\4-L

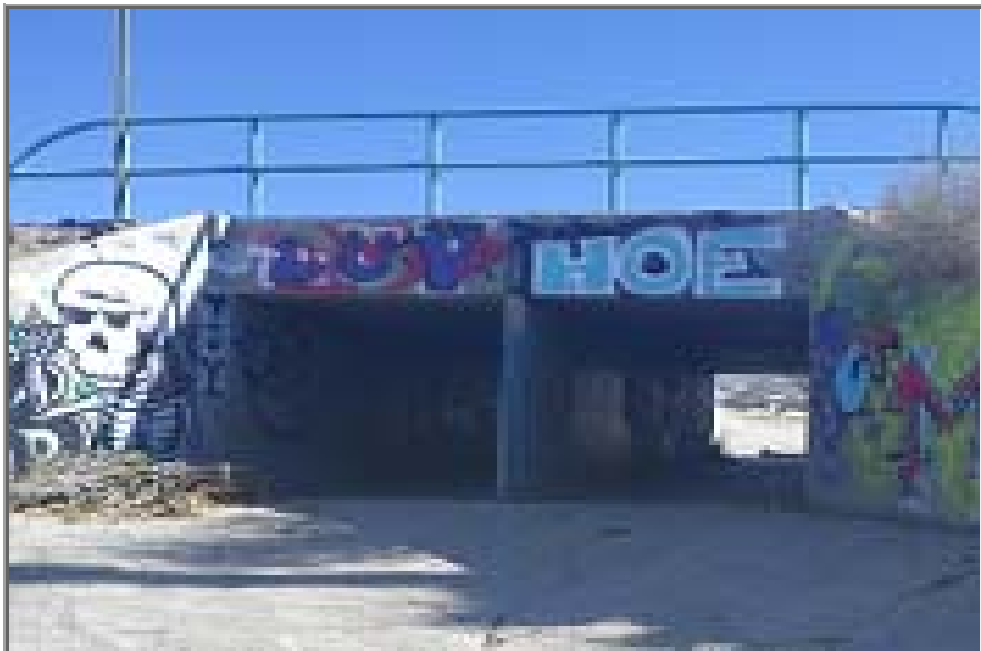
AIR_TEMP_F	50	Lab	HALL ENVIRONMENTAL
WATER_TEMP_F	52	Lab_Report	2211E23
pH	8.23	E_coli_Coliform_mpn/100ml	1011.2
CONDUCTIVITY_Umos/cm	780	Ammonia_mg/l	<2
BOD_mg/l	<2	Nitrite_NO2_mg/l	<0.1
COD_mg/l	nd	Nitrate_NO3_mg/l	0.14
TSS_mg/l	<4	TKN_Tot_Kjeld_N_mg/l	<2
TDS_mg/l	522	Phosphorus_total_mg/l_P	0.23
N-Hexane Extractable-(Oil_Grease)_mg/l	<10	Hardness_mg/l_CaCO3	290
Fluoride_mg/l	0.72	Chlorine_mg/l	<0.05



LOCATION	KIRTLAND CHANNEL AT MULBERRY NE						
OUTFALL_NO	5	QUAD	SE	GRID	M-15	SAMPLED	<input type="checkbox"/>
DATE_INSP	11/21/2022	TIME	11:05	Inspected by	SK		
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\2023\2 - DW Screening-2022-2023\East\5-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	



LOCATION **SAN ANTONIO ARROYO AT RIO GRANDE**

OUTFALL_NO **6** QUAD **NW** GRID **F-12** SAMPLED

DATE_INSP **11/18/2022** TIME **10:15** 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\2023\2 - DW Screening--new-2022-2023\6-F

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	
Fluoride_mg/l		Chlorine_mg/l	



LOCATION **CALABACILLAS ARROYO AT RIO GRANDE**

OUTFALL_NO **7** QUAD **NW** GRID **C-14** SAMPLED

DATE_INSP **11/18/2022** TIME **11:25** Inspected by **SK**

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\2023\2 - DW Screening--new-2022-2023\7-C

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 **HAHN ARROYO AT CARLISLE NE**

OUTFALL_NO **8** QUAD **NE** GRID **G-16** SAMPLED

DATE_INSP **11/22/2022** TIME **1:50** 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\2023\2 - DW Screening-2022-2023\East\8-G

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 **EMBUDO AT PENNSYLVANIA SOUTH OF MENCAL NE**

OUTFALL_NO **9** QUAD **NE** GRID **J-19** SAMPLED

DATE_INSP **11/21/2022** TIME **2:15** Inspected by **SK**

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\2023\2 - DW Screening-2022-2023\East\9-J1

AIR_TEMP_F	50	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 **NDC AT TUCKER**

OUTFALL_NO **10** QUAD **NE** GRID **J-16** SAMPLED

DATE_INSP **12/8/2022** TIME **1:40** Inspected by **SK**

WEATHER **SUNNY** flow **YES** FLOW_GPM **3**

APPEARANCE **clear, slight yellow** GROSS POLLUTANT **none**

Source of Flow **Irrigation, Burton 3 well wash from 3901 Lead NE, fire hydants discharge**

link <X:\MD\SHARE\MD-Storm\7 NPDES\311 SWQ Complaints\2023\2 - DW Screening-2022-2023\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
Floride_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 **11/22/2022** TIME **2:12** 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\2023\2 - DW Screening-2022-2023\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

DATE_INSP **11/22/2022** TIME **2:25** 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\2023\2 - DW Screening-2022-2023\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	
Fluoride_mg/l		Chlorine_mg/l	



LOCATION **NORTH PINO ARROYO AT TIBURON NE**

OUTFALL_NO **13** QUAD **NE** GRID **D-17** SAMPLED

DATE_INSP **11/22/2022** TIME **2:30** 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\2023\2 - DW Screening-2022-2023\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

DATE_INSP **11/22/2022** TIME **2:45** 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\2023\2 - DW Screening-2022-2023\East\14-

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 **AMOLE DEL NORTE CHANNEL AT BLAKE SW**

OUTFALL_NO **15** QUAD **SW** GRID **N-10** SAMPLED

DATE_INSP **11/15/2022** TIME **2:00** Inspected by **SK**

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\2023\2 - DW Screening--new-2022-2023\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

DATE_INSP **11/16/2022** TIME **3:20** 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\2023\2 - DW Screening--new-2022-2023\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	
Floride_mg/l		Chlorine_mg/l	



LOCATION **SNOW VISTA ARROYO AT DE VARGAS SW**

OUTFALL_NO **17** QUAD **SW** GRID **M-09** SAMPLED

DATE_INSP **11/15/2022** TIME **2:30** Inspected by **SK**

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\2023\2 - DW Screening--new-2022-2023\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 **11/18/2022** TIME **11:05** 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\2023\2 - DW Screening--new-2022-2023\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	
Fluoride_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 **11/30/2022** TIME **11:40** Inspected by **SK**

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\2023\2 - DW Screening-2022-2023\East\19-

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	CANDELARIA NW PS-40 AT RIO GRANDE						
OUTFALL_NO	20	QUAD	NW	GRID	G-12	SAMPLED	<input checked="" type="checkbox"/>
DATE_INSP	1/26/2023	TIME	9:50	Inspected by	SL		
WEATHER	CLOUDY	flow	YES	FLOW_GPM	3		
APPEARANCE	clear	GROSS POLLUTANT	none				
Source of Flow	groundwater infiltration						

link <X:\MD\SHARE\MD-Storm\7 NPDES\311 SWQ Complaints\2023\2 - DW Screening-2022-2023\East\20->

AIR_TEMP_F	38	Lab	HALL ENVIRONMENTAL
WATER_TEMP_F	40	Lab_Report	2301A03
pH	8.16	E_coli_Coliform_mpn/100ml	127.4
CONDUCTIVITY_Umos/cm	470	Ammonia_mg/l	<1
BOD_mg/l	5.0	Nitrite_NO2_mg/l	<0.1
COD_mg/l	<20	Nitrate_NO3_mg/l	<0.1
TSS_mg/l	<4	TKN_Tot_Kjeld_N_mg/l	<1
TDS_mg/l	317	Phosphorus_total_mg/l_P	0.067
N-Hexane Extractable-(Oil_Grease)_mg/l	<10	Hardness_mg/l_CaCO3	170
Fluoride_mg/l	0.36	Chlorine_mg/l	<0.05



LOCATION **NAMASTE AND COORS NW**

OUTFALL_NO **21** QUAD **NW** GRID **F-11** SAMPLED

DATE_INSP **11/18/2022** TIME **10:00** 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\2023\2 - DW Screening--new-2022-2023\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	
Fluoride_mg/l		Chlorine_mg/l	



LOCATION **SNOW GOOSE AT OXBOW BLUFF NW**

OUTFALL_NO **22** QUAD **NW** GRID **G-11** SAMPLED

DATE_INSP **11/17/2022** TIME **4:00** Inspected by **SK**

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\2023\2 - DW Screening--new-2022-2023\22-

AIR_TEMP_F	45	Lab	
WATER_TEMP_F		Lab_Report	
pH		E_coli_Coliform_mpn/100ml	
CONDUCTIVITY_Umos/cm		Ammonia_mg/l	
BOD_mg/l		Nitrite_NO2_mg/l	
COD_mg/l		Nitrate_NO3_mg/l	
TSS_mg/l		TKN_Tot_Kjeld_N_mg/l	
TDS_mg/l		Phosphorus_total_mg/l_P	
N-Hexane Extractable-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Fluoride_mg/l		Chlorine_mg/l	



LOCATION **SEQUOIA NW AT RIO GRANDE**

OUTFALL_NO **23** QUAD **NW** GRID **G-11** SAMPLED

DATE_INSP **11/17/2022** TIME **3:26** Inspected by **SK**

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\2023\2 - DW Screening--new-2022-2023\23-

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 **REDLANDS - GRANDE VISTA NW**

OUTFALL_NO **24** QUAD **NW** GRID **G-12** SAMPLED

DATE_INSP **11/17/2022** TIME **3:05** Inspected by **SK**

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\2023\2 - DW Screening--new-2022-2023\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	<input type="checkbox"/>
DATE_INSP	11/17/2022	TIME	10:55	Inspected by	SK		
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\2023\2 - DW Screening--new-2022-2023\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 **1/13/2023** TIME **1:30** Inspected by **SL**

WEATHER **CLOUDY** flow **YES** FLOW_GPM **3**

APPEARANCE **clear** GROSS POLLUTANT **none**

Source of Flow **groundwater infiltration and Duranes groundwater pump station at Zickert and Apple N**

link <X:\MD\SHARE\MD-Storm\7 NPDES\311 SWQ Complaints\2023\2 - DW Screening-2022-2023\East\26->

AIR_TEMP_F	48	Lab	HALL ENVIRONMENTAL
WATER_TEMP_F	43	Lab_Report	2301542
pH	8.05	E_coli_Coliform_mpn/100ml	238.2
CONDUCTIVITY_Umos/cm	500	Ammonia_mg/l	<1
BOD_mg/l	2.4	Nitrite_NO2_mg/l	<0.5
COD_mg/l	<20	Nitrate_NO3_mg/l	<0.5
TSS_mg/l	18	TKN_Tot_Kjeld_N_mg/l	<1
TDS_mg/l	306	Phosphorus_total_mg/l_P	0.13
N-Hexane Extractable-(Oil_Grease)_mg/l	,9.84	Hardness_mg/l_CaCO3	200
Fluoride_mg/l	0.58	Chlorine_mg/l	<0.05



LOCATION **CALLE DEL VISTA-ATRISCO NW**

OUTFALL_NO **27** QUAD **NW** GRID **H-11** SAMPLED

DATE_INSP **11/16/2022** TIME **3:10** 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\2023\2 - DW Screening--new-2022-2023\27-

AIR_TEMP_F	44	Lab	
WATER_TEMP_F		Lab_Report	
pH		E_coli_Coliform_mpn/100ml	
CONDUCTIVITY_Umos/cm		Ammonia_mg/l	
BOD_mg/l		Nitrite_NO2_mg/l	
COD_mg/l		Nitrate_NO3_mg/l	
TSS_mg/l		TKN_Tot_Kjeld_N_mg/l	
TDS_mg/l		Phosphorus_total_mg/l_P	
N-Hexane Extractable-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Fluoride_mg/l		Chlorine_mg/l	



LOCATION **WESTCLIFFE APTS AT 2700 VISTA GRANDE NW**

OUTFALL_NO **28** QUAD **NW** GRID **H-12** SAMPLED

DATE_INSP **11/17/2022** TIME **10:45** Inspected by

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\2023\2 - DW Screening--new-2022-2023\28-

AIR_TEMP_F	39	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 **SAN JOSE DRAIN AT RIO BRAVO SW**

OUTFALL_NO **29** QUAD **SW** GRID **P-13** SAMPLED

DATE_INSP **11/21/2022** TIME **10:45** Inspected by **SK**

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\2023\2 - DW Screening-2022-2023\East\29-

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 **ATRISCO-ATRISCO PL-RIVERVIEW NW**

OUTFALL_NO **30** QUAD **NW** GRID **J-11** SAMPLED

DATE_INSP **11/15/2022** TIME **3:25** Inspected by **SK**

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\2023\2 - DW Screening--new-2022-2023\30-

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 **LABAJADA-ATRISCO-NORTH 30 IN PIPE**

OUTFALL_NO **31** QUAD **NW** GRID **J-11** SAMPLED

DATE_INSP **11/15/2022** TIME **3:20** Inspected by **SK**

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\2023\2 - DW Screening--new-2022-2023\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	
Fluoride_mg/l		Chlorine_mg/l	



LOCATION **LABAJADA-ATRISCO-SOUTH 36 IN PIPE-WINGWALL**

OUTFALL_NO **32** QUAD **NW** GRID **J-11** SAMPLED

DATE_INSP **11/15/2022** TIME **3:20** Inspected by **SK**

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\2023\2 - DW Screening--new-2022-2023\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

DATE_INSP **11/28/2022** TIME **2:30** Inspected by **SK**

WEATHER **CLOUDY** flow **YES** FLOW_GPM **0**

APPEARANCE **clear** GROSS POLLUTANT **none**

Source of Flow **groundwater at the Atrisco park**

link <X:\MD\SHARE\MD-Storm\7 NPDES\311 SWQ Complaints\2023\2 - DW Screening-2022-2023\West\33->

AIR_TEMP_F	48	Lab	HALL ENVIRONMENTAL
WATER_TEMP_F	46	Lab_Report	2211D77
pH	8.24	E_coli_Coliform_mpn/100ml	111.8
CONDUCTIVITY_Umos/cm	670	Ammonia_mg/l	<1
BOD_mg/l	<2	Nitrite_NO2_mg/l	<0.1
COD_mg/l	nd	Nitrate_NO3_mg/l	0.2
TSS_mg/l	<4	TKN_Tot_Kjeld_N_mg/l	<1
TDS_mg/l	439	Phosphorus_total_mg/l_P	0.1
N-Hexane Extractable-(Oil_Grease)_mg/l	<9.7	Hardness_mg/l_CaCO3	230
Fluoride_mg/l	0.55	Chlorine_mg/l	<0.05



LOCATION **CENTRAL-SUNSET-OSAGE NW PS-44 THE 6 IN PIPE**

OUTFALL_NO **34** QUAD **NW** GRID **J-12** SAMPLED

DATE_INSP **11/15/2022** TIME **3:05** Inspected by **SK**

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\2023\2 - DW Screening--new-2022-2023\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 **11/21/2022** TIME **11:25** Inspected by **SK**
 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\2023\2 - DW Screening-2022-2023\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"/>



NDC AT ALAMEDA NE

LOCATION	NDC AT ALAMEDA NE						
OUTFALL_NO	36	QUAD	NE	GRID	C-17	SAMPLED	<input checked="" type="checkbox"/>
DATE_INSP	11/29/2022	TIME	2:00		Inspected by	SK	
WEATHER	SUNNY	flow	YES		FLOW_GPM	15	
APPEARANCE	clear		GROSS POLLUTANT	leaves, papers, plastics			
Source of Flow	Irrigation water and well wash water at Love wells #4 and 8 and Ridge Crest #3 and 4.						

link <X:\MD\SHARE\MD-Storm\7 NPDES\311 SWQ Complaints\2023\2 - DW Screening--new-2022-2023\36->

AIR_TEMP_F	54	Lab	HALL ENVIRONMENTAL	
WATER_TEMP_F	52	Lab_Report	2211E40	
pH	8.11	E_coli_Coliform_mpn/100ml	21.6	
CONDUCTIVITY_Umos/cm	520	Ammonia_mg/l	<5	
BOD_mg/l	9	Nitrite_NO2_mg/l	<0.5	
COD_mg/l	45.4	Nitrate_NO3_mg/l	<0.5	
TSS_mg/l	<4	TKN_Tot_Kjeld_N_mg/l	<5	
TDS_mg/l	354	Phosphorus_total_mg/l_P	0.07	
N-Hexane Extractable-(Oil_Grease)_mg/l	<9.8	Hardness_mg/l_CaCO3	180	
Fluoride_mg/l	0.67	Chlorine_mg/l	<0.05	



LOCATION **TIJERAS ARROYO AT 2ND ST SW**

OUTFALL_NO **37** QUAD **SW** GRID **Q-12** SAMPLED

DATE_INSP **11/21/2022** TIME **10:30** Inspected by **SK**

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\2023\2 - DW Screening-2022-2023\East\37-

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	



LOCATION **MIRANDELA BY PUEBLO PARK SE OF COORS AND MONTANO NW**

OUTFALL_NO **38** QUAD **NW** GRID **E-12** SAMPLED

DATE_INSP **11/18/2022** TIME **10:35** 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\2023\2 - DW Screening--new-2022-2023\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 **11/18/2022** TIME **10:45** 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\2023\2 - DW Screening--new-2022-2023\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 **11/16/2022** TIME **2:45** 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\2023\2 - DW Screening-2022-2023\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	



Attachment 5
Map and Listing of Illicit Discharges

311 NPDES Calls

Annual Report

FY 2023

(7/1/2022 to 6/30/ 2023)

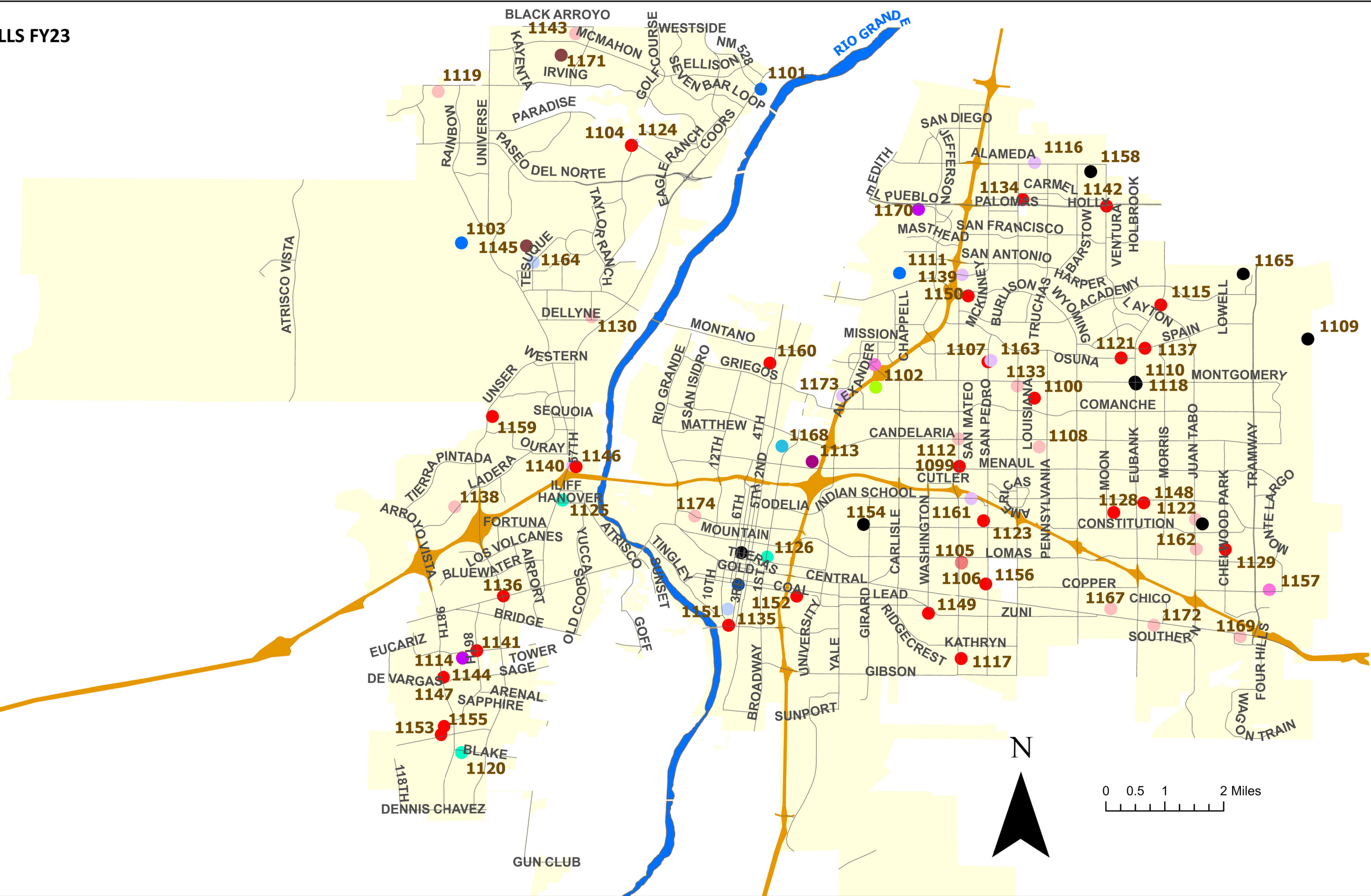
EVENT_ID	Facility_Address	Complaint_Date	Type_of_Complaint
1099	2610 SAN MATEO NE	7/5/2022	OIL
1100	7309 BELLROSE CT NE	7/6/2022	OIL
1101	1633-1651 ALAMEDA BLVD NW	7/2/2022	OIL
1102	DESERT CREEK APARTMENTS AT 4300 PAN AMERI	7/8/2022	CARPET CLEANING
1103	8643 GOUNDESEL NW	7/8/2022	COLORD LIQUID
1104	9501 GOLF COURSE NW	7/8/2022	OIL
1105	901 ORTIZ NE	7/11/2022	OIL
1106	ROMA AND ORTIZ NE	7/11/2022	LARGE ITEMS DUMP
1107	SAN PEDRO AND TOPKE PL NE	7/13/2022	OIL
1108	CHARELSTON AND LOS ALBOLES	7/25/2022	SEWAGE
1109	13500 TRAIL VISTA CT NE	7/26/2022	CONSTRUCTION
1110	MONTGOMERY AND EUBANK NE	8/2/2022	CONSTRUCTION
1111	RELIOS AMERICAN WEST JEWELRY AT 6815 ACAD	8/3/2022	COLORD LIQUID
1112	CHURCH'S CHICKEN AT 2937 SAN MATEO	8/5/2022	SEWAGE
1113	2611 BROADBENT PARKWAY NE	8/8/2022	TRASH
1114	9004 SUNFISH SW	8/9/2022	OIL
1115	6200 EUBANK	8/9/2022	OIL
1116	7320 DANCING EAGLE NE	8/22/2022	HAZARDOUS MATERIAL
1117	1251 ORTIZ DR SE	8/24/2022	OIL
1118	MURPHY EXPRESS GAS STATION AT 9700 MONTG	8/26/2022	CONSTRUCTION
1119	10428 WOODQUAIL NW	8/26/2022	SEWAGE
1120	9516 CHASE RANCH SW	8/27/2022	GREY WATER
1121	9418 OSUNA NE	8/31/2022	OIL
1122	1520 JUAN TABO - CHAMPION CAR WASH	9/1/2022	SEWAGE
1123	5823 BELLAMAH NE	9/2/2022	OIL
1124	VALVOLINE OIL SHOP AT 9501 GOLF COURSE NW	9/8/2022	OIL
1125	5720 LA ANITA NW	9/15/2022	GREY WATER
1126	ARNO AND MARQUETTE	9/15/2022	GREY WATER
1127	12021 DONNA CT NE	9/16/2022	CONSTRUCTION
1128	1605 ALTEZ NE	9/19/2022	OIL
1129	1020 CHELWOOD PARK NE	10/10/2022	OIL
1130	5216 VALLE VISTA NW	10/12/2022	SEWAGE
1131	ARBY'S AT 1416 MERCANTILE NE	10/20/2022	COOKING GREASE
1132	POLICE DEPT BUILDING AT 401 MARQUETTE NW	10/25/2022	CONSTRUCTION
1133	WECKS AT 3913 LOUISIANA NE	10/27/2022	SEWAGE
1134	7030 HOLLY NE	10/28/2022	OIL
1135	AUTO ZONE AT 507 AVANIDA CESAR CHAVEZ SW	10/31/2022	OIL
1136	UNSER AND CENTRAL	10/31/2022	OIL
1137	SPAIN AND VAN CHRISTOPHER NE	11/1/2022	OIL
1138	1204 CASA ROJA PL NW	10/23/2022	SEWAGE
1139	PAN AMERICAN FRWY AND FOREST HILLS NE	11/7/2022	HAZARDOUS MATERIAL
1140	I-40 RAMP AND COORS NW	11/8/2022	HAZARDOUS MATERIAL
1141	86TH AND TOWER SW	11/16/2022	OIL

EVENT_ID	Facility_Address	Complaint_Date	Type_of_Complaint
1142	VENTURA AND PDN NE	11/18/2022	OIL
1143	5805 NIGHT WHISPER NW	11/29/2022	SEWAGE
1144	9004 SUNFISH SW	11/30/2022	DOG POOPS
1145	6516 CAMINO DEL OESTE NE	12/9/2022	PAINT
1146	ATRISCO AND MIAMI NW	12/23/2022	OIL
1147	9734 WESTERN AV SW	12/26/2022	OIL
1148	10212 MCKNIGHT NE	12/27/2022	OIL
1149	420 WASHINGTON SE	1/3/2023	OIL
1150	MONTECITO APARTMENTS AT 5800 HARPER NE	1/12/2023	OIL
1151	507 CROMWELL SW	1/12/2023	LEAVES
1152	CEDAR BETWEEN COAL AND HAZELDINE SE	1/12/2023	OIL
1153	10000 RANGE SW	1/28/2023	OIL
1154	COURTESY PLUMBING AT 1216 PRINCETON NE	1/30/2023	CONSTRUCTION
1155	DE ANZA AND DEL RAY SW	2/7/2023	OIL
1156	6201 COPPER NE	2/23/2023	OIL
1157	800 JEWEL NE	2/28/2023	COOKING GREASE
1158	8709 HAMPTON NE	3/1/2023	CONSTRUCTION
1159	3323 PAINTED ROCK NW	3/10/2023	OIL
1160	5120 5TH ST NW	3/13/2023	OIL
1161	INDIAN SCHOOL AND ALVARADO NE	3/21/2023	HAZARDOUS MATERIAL
1162	1016 JUAN TABO NE	4/6/2023	SEWAGE
1163	4400 BOONE NE	4/13/2023	HAZARDOUS MATERIAL
1164	6225 AGATE NW	4/17/2023	LEAVES
1165	PINO DAM AT TRAMWAY AND ACADEMY NE	4/19/2023	CONSTRUCTION
1166	COFFEE SHOP AT COAL AND 4TH	4/28/2023	NUSIANCE WATER
1167	215 ERBBE AND BUNE VISTA	5/4/2023	SEWAGE
1168	CLAREMONT AND BROADWAY POND	5/5/2023	TRASH
1169	SUBWAY AT 13110 CENTRAL SE	5/10/2023	SEWAGE
1170	7900 LORRAINE NE	6/6/2023	DOG POOPS
1171	10613 SATELLITE NW	6/10/2023	PAINT
1172	MOBILE HOME PARK AT 10724 CENTRAL SE	6/13/2023	SEWAGE
1173	4101 PAN AMERICAN FRWY NW	6/15/2023	HAZARDOUS MATERIAL
1174	MOUNTAIN ROAD EAST OF 19TH ST NW	6/16/2023	SEWAGE

311 NPDES CALLS FY23

type

- Carpet Cleaning
- COLORD LIQUID
- Construction
- Cooking Grease
- Dog Poops
- Grey Water
- Hazardous Material
- Large Items Dump
- Leaves
- Nuisance Water
- OIL
- Paint
- Sewage
- Trash



311 NPDES CALLS FY 2023 LOCATION MAP

FY 2023 NPDES 311 CALLS

7/1/22 to 6/30/23

Address

2610 SAN MATEO NE

Inspection Date

7/6/2022

Reporting Date

7/5/2022

Customer

JULIE SULLIVAN

SOURCE

311

311CASE_ID

220705-001420

Customer_Ph

884-8800

e_mail

jsullivan@ability1st.com

X_Link

Complaint type

OIL

Inspector

Facility Contac

NA

Facility_Ph_No

na

Suspected_Facility

VAN

EVENT_ID

1099

is it in gis

0

Complaint

GASOLINE LINE LEAKING IN PARKING LOT. NORTH OF THE BUILDING. COMPANY VAN

Field Observation

NO VISIT

Initial Action

CODE-ZONING COMPLAINTS / PLANNING FOUND NO VIOLATION

Address

7309 BELLROSE CT NE

Inspection Date

7/6/2022

Reporting Date

7/6/2022

Customer

KATE STRATTON

SOURCE

311

311CASE_ID

220705-001944

Customer_Ph

382-3654

e_mail

X_Link

Complaint type

OIL

Inspector

Facility Contac

NA

Facility_Ph_No

na

Suspected_Facility

STREET

EVENT_ID

1100

is it in gis

-1

Complaint

LEFT SIDE OF THE DRIVEWAY. GASOLINE LEAKED ONTO THE ROAD. LONG PUDDLE.

Field Observation

NO VISIT

Initial Action

ABSORBENT WAS APPLIED TO AREA BY AFTER HR. FOREMAN HUGO R.



Address

1633-1651 ALAMEDA BLVD NW

Inspection Date

7/6/2022

Reporting Date

7/2/2022

Customer

SECLICKFIX

SOURCE

311

311CASE_ID

220702-000470

Customer_Ph

NA

e_mail

na

X_Link

Complaint type

OIL

Inspector

Facility Contac

NA

Facility_Ph_No

na

Suspected_Facility

MEDIAN

EVENT_ID

1101

is it in gis

-1

Complaint

OIL CAN AND OIL SPILL IN THE MEDIAN WHERE CARS ARE TURNING

Field Observation

NO VISIT

Initial Action

CASE CLOSED 7/5/2022 WITH NEGATIVE RESULTS FOUND BY AFTER HR. FOREMAN HUGO R.

Address

DESERT CREEK APARTMENTS AT 4300 PAN AMERICAN FWY NE

Inspection Date

7/11/2022

Reporting Date

7/8/2022

Customer

JOSEPH DILLEY

SOURCE

WEB

311CASE_ID

WEB

Customer_Ph

515-4449

e_mail

josephd0630@gmail.com

X_Link

Complaint type

Carpet Cleaning

Inspector

GS

Facility Contac

MANAGERS

Facility_Ph_No

Suspected_Facility

XTREME CLEAN CARPET

EVENT_ID

1102

is it in gis

-1

Complaint

DIRTY WATER, MIXED WITH CARPET CLEANING CHEMICALS.
DUMPED BY A COMPANY TRUCK OWNED BY XTREME CLEAN/ XTREME STORAGE. ADDRESS FOR
COMPANY: 100 TRUMBULL AVE SE

Field Observation

DESERT CREEK AND THE XTREME CLEAN CARPET CLEANING, THEY BOTH STATED THAT THERE WAS
NO ILLEGAL DUMPING ON SITE

Initial Action

NO ACTION



Address

8643 GOUNSEL NW

Inspection Date

7/8/2022

Reporting Date

7/8/2022

Customer

D J LASKOWSKI-SOLI

SOURCE

EMAIL

311CASE_ID

EMAIL

Customer_Ph

506-6651

e_mail

dlaskowski@cabq.gov

X_Link

Complaint type

COLORD LIQUID

Inspector

Facility Contac

RESIDENT

Facility_Ph_No

Suspected_Facility

HOME

EVENT_ID

1103

is it in gis

-1

Complaint

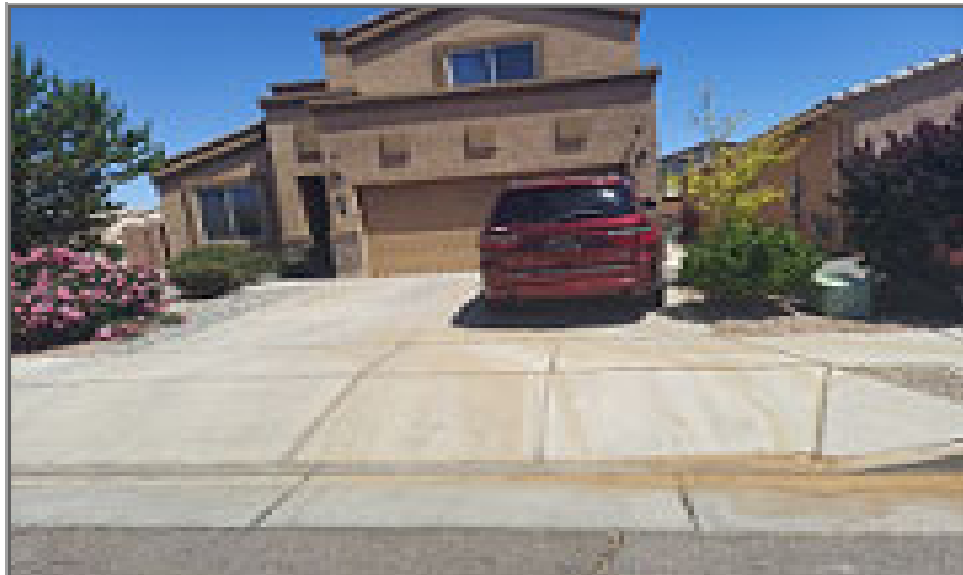
A COLORD WATER RUNING ALONG THE GUTTER COMING FROM THIS ADDRESS

Field Observation

THE DRY BROWN RESIDUE WAS VISIBLE ALONG THE GUTTER. THE OWNER STATED THAT THE BROWN STAIN IS THE CHEMICAL THAT A CLEANING COMPANY USED TO CLEAN UP THE OIL ON THE DRIVE PAD.

Initial Action

INSPECTOR GAVE THEM POLLUTION PREVENTION BROCHURES AND ASKED THEM NOT TO DISCHARGE ANY LIQUID TO THE STREET IN THE FUTURE.



Address

9501 GOLF COURSE NW

Inspection Date

7/11/2022

Reporting Date

7/8/2022

Customer

MICHELLE KLEIN

SOURCE

311

311CASE_ID

220708-001624

Customer_Ph

521-2043

e_mail

X_Link

Complaint type

OIL

Inspector

GS

Facility Contac

MANAGER

Facility_Ph_No

na

Suspected_Facility

VALVOLINES OIL CO.

EVENT_ID

1104

is it in gis

-1

Complaint

VALVOLINES OIL SLUDGE IS GOING DOWN INTO THE CITY'S STORM DRAIN

Field Observation

THE MANAGER STATED THAT THEY CLEAN UP THE FILTERS ON SITE AND LET CLEANING WATER AND CHEMICAL GO TO STORMDRAIN.

Initial Action

INSPECTOR GAVE HIM POLLUTION PREVENTION BROCHURES AND ASKED THEM TO STOP DISCHARGING ANY LIQUID TO THE STREET.



Address

901 ORTIZ NE

Inspection Date

7/14/2022

Reporting Date

7/11/2022

Customer

BOBBY HOLT

SOURCE

311

311CASE_ID

220711-002484

Customer_Ph

232-9238

e_mail

rhody48@aol.com

X_Link

Complaint type

OIL

Inspector

GS

Facility Contac

RESIDENT

Facility_Ph_No

Suspected_Facility

HOME

EVENT_ID

1105

is it in gis

-1

Complaint

OIL CONTAINER IN BARRELL AND ANTI-FREEZE IN ORIGINAL CONTAINER

Field Observation

NO OIL CONTAINERS WERE ON THE SITE, THEY WERE REMOVED.

Initial Action

NO ACTION



Address

ROMA AND ORTIZ NE

Inspection Date

7/14/2022

Reporting Date

7/11/2022

Customer

ANONYMOUS

SOURCE

311

311CASE_ID

220711-002898

Customer_Ph

NA

e_mail

na

X_Link

Complaint type

Large Items Dump

Inspector

GS

Facility Contac

NA

Facility_Ph_No

na

Suspected_Facility

STREET

EVENT_ID

1106

is it in gis

-1

Complaint

KIDS/BABY POOL FULL OF OIL AT THE WEST END OF ROMA FROM ORTIZ.

Field Observation

THE POOL HAS BEEN PICKED UP.

Initial Action

NO ACTION



Address

SAN PEDRO AND TOPKE PL NE

Inspection Date

7/14/2022

Reporting Date

7/13/2022

Customer

JOSHUA ROCHELLE

SOURCE

311

311CASE_ID

220713-002321

Customer_Ph

304-3991

e_mail

therochelleman@aol.com

X_Link

Complaint type

OIL

Inspector

GS

Facility Contac

NA

Facility_Ph_No

na

Suspected_Facility

STREET

EVENT_ID

1107

is it in gis

-1

Complaint

200 GALLONS OF OIL LEFT IN A MAKESHIFT DUMPSTER

Field Observation

NO VISIT

Initial Action

SOLID WASTE HAS INITIATED A WORK ORDER FOR ACT TO PICK UP AND DISPOSE OF THE USED OIL CONTAINER LEFT ON TOPKE PL. NE.



Address

CHARELSTON AND LOS ALBOLES

Inspection Date

7/25/2022

Reporting Date

7/25/2022

Customer

PATRICK GUTIRREZ

SOURCE

311

311CASE_ID

220725-000426

Customer_Ph

NA

e_mail

na

X_Link

Complaint type

Sewage

Inspector

GS

Facility Contac

NA

Facility_Ph_No

na

Suspected_Facility

RV

EVENT_ID

1108

is it in gis

-1

Complaint

SEWER FROM RV FLOWING DOWN THE STREET

Field Observation

NO RV WAS PARKED THERE. THERE WAS DRY WHITE PAPERS ON THE STREET AT THIS LOCATION

Initial Action

ASKED STREET TO SWEEP THE AREA.



Address

13500 TRAIL VISTA CT NE

Inspection Date

7/28/2022

Reporting Date

7/26/2022

Customer

SECLICKFIX

SOURCE

311

311CASE_ID

220726-001737

Customer_Ph

NA

e_mail

na

X_Link

Complaint type

Construction

Inspector

GS

Facility Contac

CONTRACTOR

Facility_Ph_No

350-8328

Suspected_Facility

PWKI CONSTRUCTION

EVENT_ID

1109

is it in gis

-1

Complaint

LOOKS LIKE CONTRACTOR ILLEGALLY DUMPED CHEMICALS IN THE ARROYO IN BACK OF THE NEW HOUSE UNDER CONSTRUCTION

Field Observation

THE POOL CONTRACT HAD EMPTIED THE GUNITE (GROUT MIX) WASHOUT FROM THE HOSE INTO THE ARROYO DIRECTLY BEHIND THE HOME.

Initial Action

THE CONTRACTOR STATED THAT HE WOULD HAVE THE ARROYO CLEANED BY TOMORROW AND WILL SEND PICTURES TO CONFIRM.



Address

MONTGOMERY AND EUBANK NE

Inspection Date

8/4/2022

Reporting Date

8/2/2022

Customer

IRENE CHAVEZ

SOURCE

311

311CASE_ID

220802-002088

Customer_Ph

934-4245

e_mail

miisslucia312@gmail.com

X_Link

Complaint type

Construction

Inspector

GS

Facility Contac

NA

Facility_Ph_No

na

Suspected_Facility

STORM INLET

EVENT_ID

1110

is it in gis

-1

Complaint

WATER DIKE - WATTLE & NETTING ON THE GRATE AFTER CONSTRUCTION

Field Observation

THE WATTLE WAS STILL THERE ON THE INLET

Initial Action

ASKED STREET MAINTENANCE TO REMOVE IT.



Address

RELIOS AMERICAN WEST JEWELRY AT 6815 ACADEMY PKWY WEST

Inspection Date

8/4/2022

Reporting Date

8/3/2022

Customer

NOLAN BENNETT-A

SOURCE

EMAIL

311CASE_ID

EMAIL

Customer_Ph

301-6941

e_mail

nbennett@amafca.org

X_Link

Complaint type

COLORD LIQUID

Inspector

GS

Facility Contac

MANAGER

Facility_Ph_No

573-6792

Suspected_Facility

RELIOS AMERICAN WEST JEWEL

EVENT_ID

1111

is it in gis

-1

Complaint

THERE IS SOME DISCOLORATION IN THE PRIVATE CHANNEL JUST NORTH OF THE HIGHLIGHTED PROPERTY. HE SAID IT LOOKED LIKE THEY WERE STORING A PUMP IN THE AREA AS WELL. CAN SOMEONE FROM THE CITY CHECK IT OUT.

Field Observation

THE PUMP WAS CONNECTED TO DISCHARGE TO SANITARY LINE. THERE WAS NO COLORATION AT THIS LOCATION.

Initial Action

LEFT SOME POLLUTION PREVENTION BROCHURES WITH THE MANAGER.



Address

CHURCH'S CHICKEN AT 2937 SAN MATEO

Inspection Date

8/8/2022

Reporting Date

8/5/2022

Customer

TRAVIS A. PEACOCK-

SOURCE

EMAIL

311CASE_ID

EMAIL

Customer_Ph

274-1820

e_mail

tpeacock@abcwua.org

X_Link

Complaint type

Sewage

Inspector

GS

Facility Contac

DISTRICT MANAGER

Facility_Ph_No

808-313-9439

Suspected_Facility

CHURCH'S CHICKEN

EVENT_ID

1112

is it in gis

0

Complaint

CHURCHES IS BACKING UP AGAIN FROM A CLEAN OUT.

Field Observation

THE MANAGER CLOSED THE BUSINESS UNTILL THE GREASE TRAP IS FIXED.

Initial Action

THE MANAGER WILL INFOR US WHEN THE LINE IS FIXED.



Address

2611 BROADBENT PARKWAY NE

Inspection Date

8/11/2022

Reporting Date

8/8/2022

Customer

ROGER PEERY

SOURCE

MS4COM

311CASE_ID

MS4COMPLIANCE

Customer_Ph

280-1994

e_mail

rpeery@shomaker.com

X_Link

Complaint type

Trash

Inspector

GS

Facility Contac

NA

Facility_Ph_No

na

Suspected_Facility

ARROYO

EVENT_ID

1113

is it in gis

-1

Complaint

THERE IS A MASSIVE AMOUNT OF ILLEGAL DUMPING OF TRASH, CHEMICALS, AND HUMAN WASTE AT THE 3 CULVERTS

Field Observation

A LOT OF DEBRIS AND TRASH WERE AT THIS LOCATION

Initial Action

SOILID WASTE DEPT REMOVED ALL THE TRASH AND DEBRIES.



Address

9004 SUNFISH SW

Inspection Date

12/5/2022

Reporting Date

8/9/2022

Customer

SECLICKFIX

SOURCE

311

311CASE_ID

220809-000463

Customer_Ph

NA

e_mail

na

X_Link

Complaint type

OIL

Inspector

SK

Facility Contac

RESIDENT

Facility_Ph_No

na

Suspected_Facility

HOME

EVENT_ID

1114

is it in gis

-1

Complaint

ILLEGAL OIL STORAGE DISPOSE OF IMPROPERLY

Field Observation

THERE WAS A BUCKET OF OIL WITH COVER ON IT AT THIS ADDRESS

Initial Action

NOBODY WAS HOME, LEFT POLLUTION PREVENTION BROCHURES AT THIS ADDRESS



Address

6200 EUBANK

Inspection Date

8/11/2022

Reporting Date

8/9/2022

Customer

WILLIAM WILKINSO

SOURCE

311

311CASE_ID

220809-001568

Customer_Ph

401-2123

e_mail

mailto:wilkinsonwilliam86

X_Link

Complaint type

OIL

Inspector

GS

Facility Contac

NA

Facility_Ph_No

na

Suspected_Facility

PARKING LOT

EVENT_ID

1115

is it in gis

-1

Complaint

CAR LEAKING GAS INTO THE PARKING LOT. MERCURY MILAN/SILVER, LIC 947SYM. GAS FILLING UP A CARDBOARD BOX UNDERNEATH. FIRE RESCUE WAS CALLED AND THEY DECLINED TO COME OUT.

Field Observation

THE CAR HAS BEEN TOWED AWAY

Initial Action

THE CAR HAS BEEN TOWED AWAY

Address

7320 DANCING EAGLE NE

Inspection Date

8/25/2022

Reporting Date

8/22/2022

Customer

HEATHER SANCHEZ

SOURCE

EMAIL

311CASE_ID

EMAIL

Customer_Ph

459-1940

e_mail

heathersanchez7rivers@ou

X_Link

Complaint type

Hazardous Material

Inspector

GS

Facility Contac

RESIDENT

Facility_Ph_No

na

Suspected_Facility

HOME

EVENT_ID

1116

is it in gis

-1

Complaint

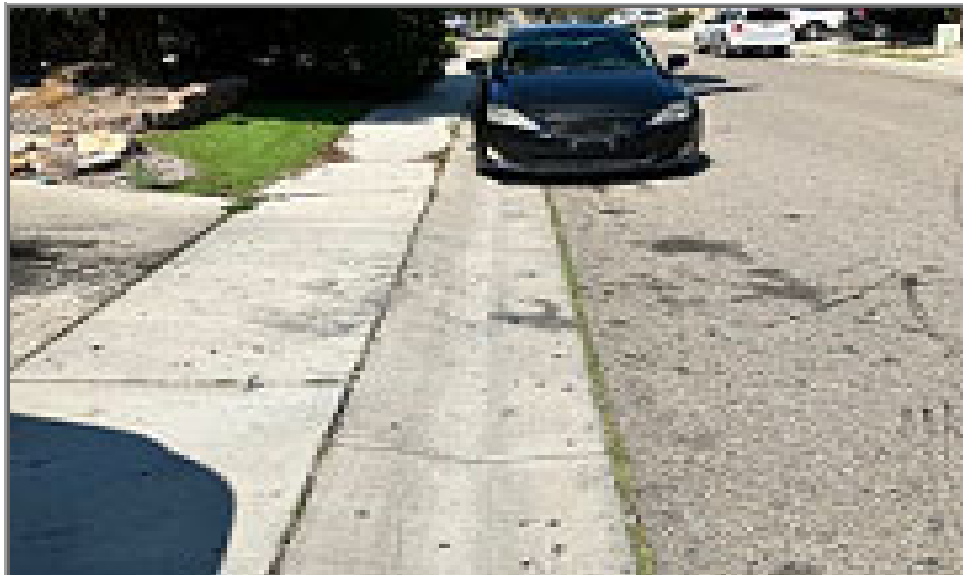
MY NEIGHBOR IS LEAKING AND DUMPING OIL AND CHEMICALS INTO THE ROAD AND GUTTERS IN THE NEIGHBORHOOD

Field Observation

THERE WERE OIL SPOTS ON THE STREET AT THIS ADDRESS

Initial Action

INSPECTOR ASKED THE RESIDENT TO CLEAN UP THE AREA AND GAVE THEM POLLUTION PREVENTION BROCHURES.



Address

1251 ORTIZ DR SE

Inspection Date

8/25/2022

Reporting Date

8/24/2022

Customer

IRENE KEE

SOURCE

311

311CASE_ID

220824-000697

Customer_Ph

480-6162

e_mail

iikee5759@gmail.com

X_Link

Complaint type

OIL

Inspector

GS

Facility Contac

NA

Facility_Ph_No

na

Suspected_Facility

STREET

EVENT_ID

1117

is it in gis

-1

Complaint

POSSIBLE GASOLINE ON THE STREET BY THE BUILDING, CALLER STATES IT SMELLS LIKE IT IS GAS

Field Observation

IT WAS COVERED WITH SAND

Initial Action

NO ACTION



Address

MURPHY EXPRESS GAS STATION AT 9700 MONTGOMERY NE

Inspection Date

8/26/2022

Reporting Date

8/26/2022

Customer

KEN WORMSER

SOURCE

311

311CASE_ID

220826-001641

Customer_Ph

299-8800

e_mail

longleashonlife@gmail.com

X_Link

Complaint type

Construction

Inspector

GS

Facility Contac

MANAGER

Facility_Ph_No

318-473-2100

Suspected_Facility

MURPHY EXPRESS GAS STATION

EVENT_ID

1118

is it in gis

-1

Complaint

REQUESTING TO HAVE THE MESH COVERING REMOVED AT THE TWO INLETS. THE CONSTRUCTION WAS DONE A YEAR AGO

Field Observation

SWPPP BMP WERE COVERING TWO INLETS

Initial Action

THE MANAGER SAID HE WILL REMOVE THEM



Address

10428 WOODQUAIL NW

Inspection Date

8/29/2022

Reporting Date

8/26/2022

Customer

ANONYMOUS

SOURCE

311

311CASE_ID

220826-001880

Customer_Ph

NA

e_mail

na

X_Link

Complaint type

Sewage

Inspector

GS

Facility Contac

RESIDENT

Facility_Ph_No

na

Suspected_Facility

RV

EVENT_ID

1119

is it in gis

-1

Complaint

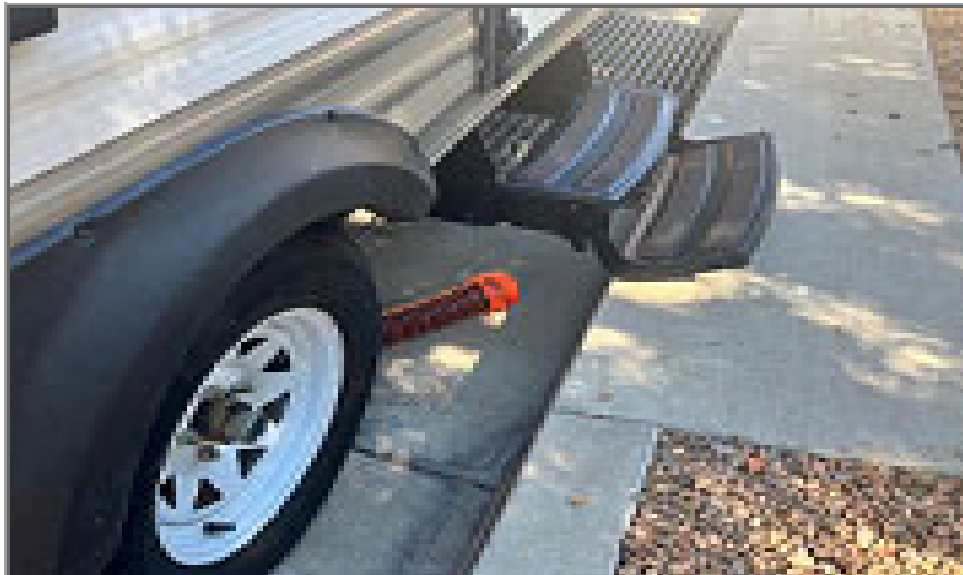
RV DUMPED THEIR WASTE INTO THE INLET AREA.

Field Observation

RV WAS PARKED AT THIS ADDRESS. THE RESIDENT PUT A NEW TANK ANT HE WAS TESTING IT USING CLEAN WATER.

Initial Action

THE RESIDENT REMOVED THE OUTLET PIPE.



Address

9516 CHASE RANCH SW

Inspection Date

9/1/2022

Reporting Date

8/27/2022

Customer

MARCOS BUSTILLOS

SOURCE

311

311CASE_ID

220827-001208

Customer_Ph

610-4463

e_mail

marcosbustillos21@gmail.c

X_Link

Complaint type

Grey Water

Inspector

GS

Facility Contac

RESIDENT

Facility_Ph_No

na

Suspected_Facility

HOME

EVENT_ID

1120

is it in gis

-1

Complaint

HIS NEIGHBOR DRAINING HIS POOL TO THE STREET

Field Observation

THE INSPECTOR DID NOT SEE ANY WATER COMING OUT OF THIS PROPERTY.

Initial Action

INSPECTOR SPOKE TO THE RESIDENT AND ASKED HIM NOT TO DISCHARGE ANY WATER TO THE STREET. HE GAVE HIM SOME POLLUTION PREVENTION BROCHURES.



Address

9418 OSUNA NE

Inspection Date

9/1/2022

Reporting Date

8/31/2022

Customer

AZIZA CHAVEZ

SOURCE

EMAIL

311CASE_ID

EMAIL

Customer_Ph

768-3106

e_mail

azizachavez@cabq.gov

X_Link

Complaint type

OIL

Inspector

GS

Facility Contac

NA

Facility_Ph_No

na

Suspected_Facility

STREET

EVENT_ID

1121

is it in gis

-1

Complaint

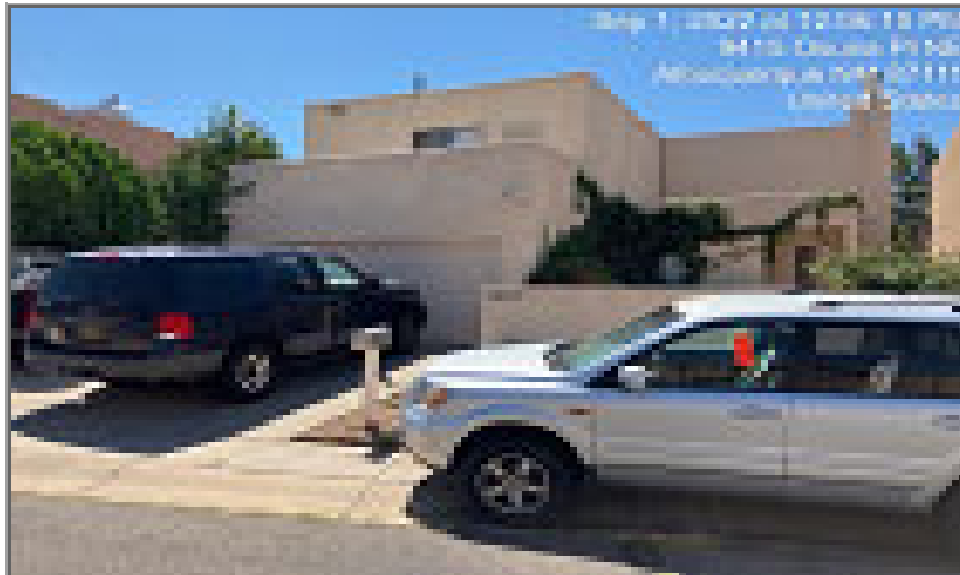
ABANDONED CAR LEAKING BRAKE FLUID

Field Observation

ABANDONED CAR PARKED AT THIS ADDRESS

Initial Action

APD RED TAGGED THE CAR. INSPECTOR COVERED THE OIL SPOTS WITH ABSORBENT



Address

1520 JUAN TABO - CHAMPION CAR WASH

Inspection Date

9/12/2022

Reporting Date

9/1/2022

Customer

JACK DENISON

SOURCE

311

311CASE_ID

220901-000482

Customer_Ph

459-0056

e_mail

jack.denison1944@gmail.c

X_Link

Complaint type

Sewage

Inspector

GS

Facility Contac

MANAGER

Facility_Ph_No

na

Suspected_Facility

CHAMPION CAR WASH

EVENT_ID

1122

is it in gis

-1

Complaint

RV PARKED IN THE BACK ON THE NORTHSIDE OF THE DEALERHIP, THE RV HAS THE SEWER JUST LEAKING OUT EVERYWHERE.

Field Observation

THERE WAS AN RV ON THE PROPERTY AS TEMPORARY ON SITE CONSTRUCTION OFFICE WITH A PIPE CONNECTED TO IT DISCHARGING TO THE ALLEY.

Initial Action

INSPECTOR ASKED THE MANAGER TO REMOVE THE PIPE AND STOP DISCHARGING ANY WATER TO THE ALLEY AND HE AGREED TO DO SO.



Address

5823 BELLAMAH NE

Inspection Date

9/14/2022

Reporting Date

9/2/2022

Customer

APRIL SMITH

SOURCE

311

311CASE_ID

220902-001444

Customer_Ph

907-4214

e_mail

makupmadden@gmail.com

X_Link

Complaint type

OIL

Inspector

GS

Facility Contac

NA

Facility_Ph_No

na

Suspected_Facility

STREET

EVENT_ID

1123

is it in gis

-1

Complaint

TRASH TRUCK LEFT THIS GREASY SUBSTANCE AT HIS CURB AND IT GETS TRACKED UP INTO HIS DRIVEWAY AND THEN IT GETS TRACKED INTO HIS HOME. CALLER IS VERY UPSET AND WANTS A CALL BACK.

Field Observation

THERE WETE SEVERAL SMALL OIL SPOTS ON THE STREET

Initial Action

FORWARDED TO STREETS SWEEPING



Address

VALVOLINE OIL SHOP AT 9501 GOLF COURSE NW

Inspection Date

9/12/2022

Reporting Date

9/8/2022

Customer

MICHELLE KLEIN

SOURCE

311

311CASE_ID

220908-001429

Customer_Ph

521-2043

e_mail

X_Link

Complaint type

OIL

Inspector

GS

Facility Contac

MANAGER

Facility_Ph_No

na

Suspected_Facility

VALVOLINE OIL

EVENT_ID

1124

is it in gis

-1

Complaint

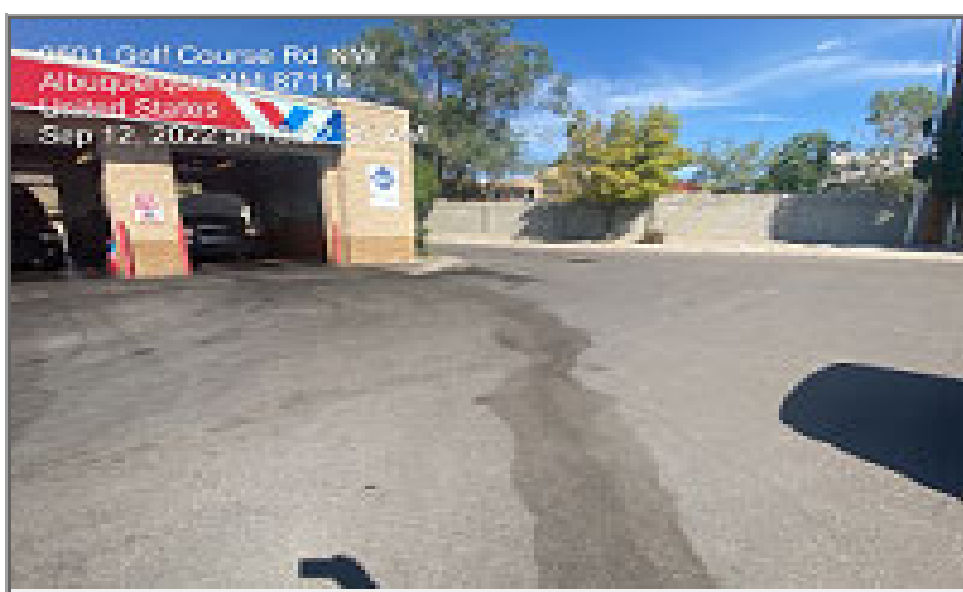
CALLER SAID THERE MOTOR OIL COMING FROM VALVOLINE OIL CHANGE STORE AT INCIDENT ADDRESS. THE MOTOR OIL IS ON THE SIDEWALK AND GUTTER. CALLER SAID THE CITY RECENTLY CITED THIS STORE FOR MOTOR OIL.

Field Observation

THERE WERE A LOT OF OIL STAINING AT THIS AREA

Initial Action

THE MANAGER SAID HE WILL DO A PROFESSIONAL CLEANING OF THE AREA



Address

5720 LA ANITA NW

Inspection Date

9/15/2022

Reporting Date

9/15/2022

Customer

MARGUERITE AGNE

SOURCE

311

311CASE_ID

220915-001414

Customer_Ph

720-7865

e_mail

realckppl@gmail.com

X_Link

Complaint type

Grey Water

Inspector

SK

Facility Contac

RESIDENT

Facility_Ph_No

na

Suspected_Facility

HOME

EVENT_ID

1125

is it in gis

-1

Complaint

PERSON AT LOCATION WASHING TRASH CARTS BY THE GUTTER AND WASTE WATER IS GOING INTO THE GUTTER

Field Observation

THERE WAS A SMALL WATER PONDING IN FRONT OF CALLER HOME

Initial Action

INSPECTOR ASKED THE HOME RESIDENT NOT TO WASH THE TRASH BIN IN THE STREET IN THE FUTURE.



Address

ARNO AND MARQUETTE

Inspection Date

9/15/2022

Reporting Date

9/15/2022

Customer

SHELLIE EATON

SOURCE

PH

311CASE_ID

PH

Customer_Ph

e_mail

X_Link

Complaint type

Grey Water

Inspector

SK

Facility Contac

MANAGER

Facility_Ph_No

na

Suspected_Facility

LOW INCOME HOUSING

EVENT_ID

1126

is it in gis

-1

Complaint

WATER RUNNING TO BROADWAY FROM THIS COMPLEX

Field Observation

IT WAS A BROKEN WATER PIPES

Initial Action

THE MANAGER IS IN THE PROCESS OF REPAIRING THE BROKEN WATER LINE



Address

12021 DONNA CT NE

Inspection Date

9/20/2022

Reporting Date

9/16/2022

Customer

ANONYMOUS

SOURCE

311

311CASE_ID

220916-000814

Customer_Ph

NA

e_mail

na

X_Link

Complaint type

Construction

Inspector

GS

Facility Contac

MANAGER

Facility_Ph_No

891-0100

Suspected_Facility

ROADRUNNER CONCRETE

EVENT_ID

1127

is it in gis

-1

Complaint

PROFESSIONAL CONCRETE COMPANY WITH PINK TRUCKS AT SITE ADDRESS, DUMPING CONCRETE INTO THE GUTTER. CALLER STATES THIS IS 3RD TIMES IT'S HAPPENED, AND ASKING FOR SOMEONE TO COME OUT BEFORE END OF DAY TODAY

Field Observation

THERE WERE DRY CEMENT RESIDUE AT THIS AREA

Initial Action

INSPECTOR ASKED THE MANAGER NOT TO WASH THE CEMENT ON THE CITY R/W



Address

1605 ALTEZ NE

Inspection Date

9/20/2022

Reporting Date

9/19/2022

Customer

DORA MONTOYA

SOURCE

311

311CASE_ID

220919-002201

Customer_Ph

269-1090

e_mail

X_Link

Complaint type

OIL

Inspector

GS

Facility Contac

NA

Facility_Ph_No

na

Suspected_Facility

STREET

EVENT_ID

1128

is it in gis

-1

Complaint

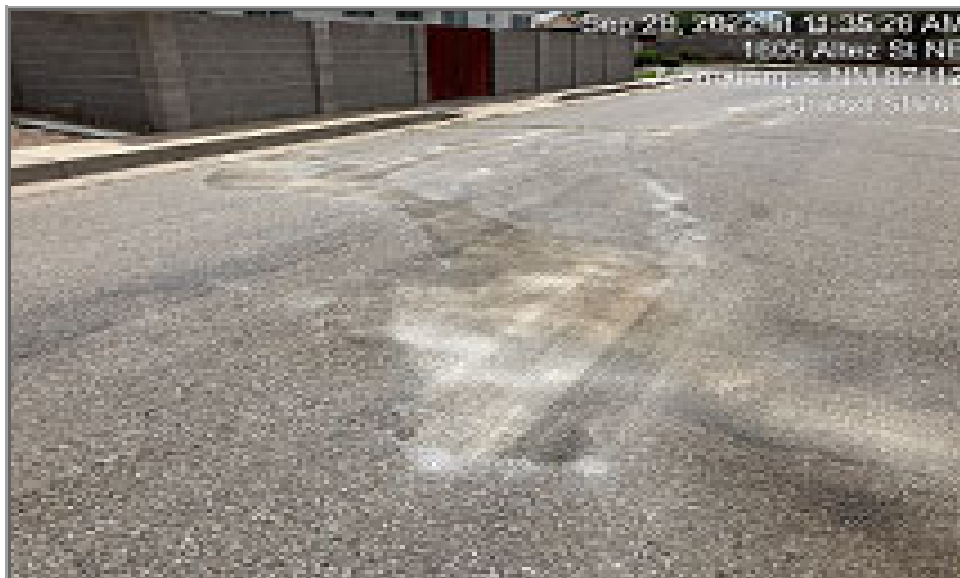
DIESL SPILL IN ROAD IN FRONT OF HOUSE

Field Observation

THE SPILL WERE COVERED WITH OIL ABSORBENT

Initial Action

FORWARDED TO STREET FOR CLEANING



Address

1020 CHELWOOD PARK NE

Inspection Date

10/11/2022

Reporting Date

10/10/2022

Customer

STEFAN YEAZUS

SOURCE

311

311CASE_ID

221010-000371

Customer_Ph

353-0408

e_mail

uri.yeazus@gmail.com

X_Link

Complaint type

OIL

Inspector

GS

Facility Contac

RESIDENT

Facility_Ph_No

na

Suspected_Facility

HOME

EVENT_ID

1129

is it in gis

-1

Complaint

BLACK CONTAINER FULL OF OIL ABOUT 20FT IN FROM THE SIDEWALK ON PRIVATE PROPERTY

Field Observation

THERE WAS AN OPEN CONTAINER CONTAINING USED OIL ON THE PRIVATE PROPERTY

Initial Action

THE RESIDENT DID NOT ANSWER THE DOOR BELL.



Address

5216 VALLE VISTA NW

Inspection Date

10/19/2022

Reporting Date

10/12/2022

Customer

ANONYMOUS

SOURCE

311

311CASE_ID

221012-000315

Customer_Ph

NA

e_mail

na

X_Link

Complaint type

Sewage

Inspector

GS

Facility Contac

RESIDENT

Facility_Ph_No

na

Suspected_Facility

HOME

EVENT_ID

1130

is it in gis

-1

Complaint

MOTORHOME PARKED IN FRONT OF HOME-SEWER COMING OUT OF IT AND IT'S GOING ON THE GUTTER AND SIDEWALK

Field Observation

NO EVIDENCE OF SEWER LEAKAGE FROM RV ON SITE. HOMEOWNER NOT ON SITE

Initial Action

LEFT COA FISH BROCHURE, CITING COA ORDINANCE AND EDUCATION REGARDING ILLICIT DISCHARGES.



Address

ARBY'S AT 1416 MERCANTILE NE

Inspection Date

11/8/2022

Reporting Date

10/20/2022

Customer

ANDREW GONZALES

SOURCE

311

311CASE_ID

221020-000748

Customer_Ph

322-0318

e_mail

mt.dukecity@gmail.com

X_Link

Complaint type

Cooking Grease

Inspector

SK

Facility Contac

MANAGER

Facility_Ph_No

na

Suspected_Facility

ARBY'S RESTURANT

EVENT_ID

1131

is it in gis

-1

Complaint

GREASE SPILLED ALL OVER PARKING LOT AND EMPLOYEE WAS SPRAYING IT OUT ONTO THE STREETS MAKING STREETS SAFETY ISSUE . CAR HIT GREASE AND RAN INTO CURB NO INJURY FROM THAT.

Field Observation

THE SPILL HAS BEEN CLEAND UP

Initial Action

LEFT POLLUTION PREVENTION BROCHURES WITH THE MANAGER



Address

POLICE DEPT BUILDING AT 401 MARQUETTE NW

Inspection Date

10/25/2022

Reporting Date

10/25/2022

Customer

MCCONNELL MARK

SOURCE

DRIVE BY

311CASE_ID

DRIVE BY

Customer_Ph

e_mail

X_Link

Complaint type

Construction

Inspector

MC

Facility Contac

SUPERINTENDENT

Facility_Ph_No

Suspected_Facility

POLICE DEPT BUILDING

EVENT_ID

1132

is it in gis

-1

Complaint

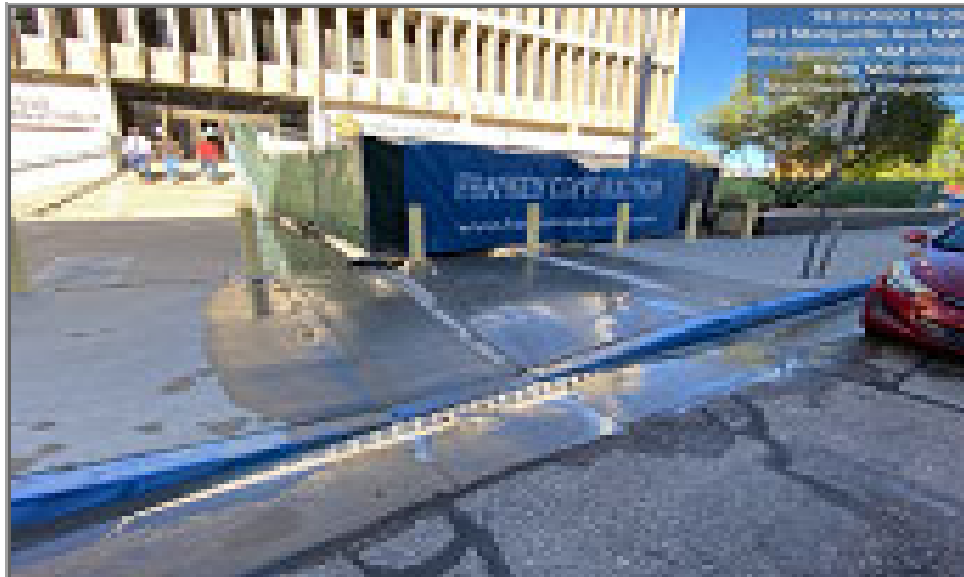
WATER LEAVING CONSTRUCTION SITE

Field Observation

WATER LEAVING CONSTRUCTION SITE

Initial Action

INSPECTOR ASKED THE SUPERINTENDENT TO STOP RELEASING WATER TO THE STREET AND THEY DID.



Address

WECKS AT 3913 LOUISIANA NE

Inspection Date

11/1/2022

Reporting Date

10/27/2022

Customer

BAIRD SWANSON

SOURCE

311

311CASE_ID

221027-000661

Customer_Ph

306-8433

e_mail

waterq2@aol.com

X_Link

Complaint type

Sewage

Inspector

GS

Facility Contac

NA

Facility_Ph_No

na

Suspected_Facility

WECKS

EVENT_ID

1133

is it in gis

-1

Complaint

REQUEST FOR CLEAN UP OF RAW SEWAGE. ON LOUISIANA AND MONTGOMERY SOUTH WEST CORNER BEHIND WECKS. STATES NEEDS TO BE CLEANED UP FOR RAW SEWAGE.

Field Observation

THERE WAS NO ACTIVE RAW SEWAGE FLOW AT THE SITE.

Initial Action

NO ACTION



Address

7030 HOLLY NE

Inspection Date

11/4/2022

Reporting Date

10/28/2022

Customer

SECLICKFIX

SOURCE

311

311CASE_ID

221028-001610

Customer_Ph

NA

e_mail

na

X_Link

Complaint type

OIL

Inspector

GS

Facility Contac

NA

Facility_Ph_No

na

Suspected_Facility

NA

EVENT_ID

1134

is it in gis

-1

Complaint

ENGINE OIL SPILL ON DIRT IN FIELD BEHIND THE AUTO ZONE BETWEEN LOUISIANA AND WYOMING ON HOLLY

Field Observation

THERE WAS A BROKEN DOWN TRUCK IN THE MIDDLE OF THE VACANT LOT WITH THE TRANSMISSION AND DRIVE TRAIN LAYING ON THE GROUND.

Initial Action

INSPECTOR GAVE THE TRUCK OWNER SOME POLLUTION PREVENTION BROCHURES.



Address

AUTO ZONE AT 507 AVANIDA CESAR CHAVEZ SW

Inspection Date

11/2/2022

Reporting Date

10/31/2022

Customer

MIGUEL GARCIA

SOURCE

311

311CASE_ID

221031-000881

Customer_Ph

450-2455

e_mail

X_Link

Complaint type

OIL

Inspector

GS

Facility Contac

MANAGER

Facility_Ph_No

na

Suspected_Facility

AUTO ZONE

EVENT_ID

1135

is it in gis

-1

Complaint

AT THE TRASH BIN SIDE OF THE TRSH BIN APPROXIMATELY 30 CONTAINERS OF USED ANTIFREEZE AND USED OIL GALLON CONTAINERS THAT ARE LEAKING

Field Observation

THERE WERE LARGE AMOUNT OF USED OIL CONTAINERS NEAR THE TRASH BIN. THE MANAGER STATED THAT THE PUBLIC LEAVE THESE CONTAINERS HERE WITH OUT THEIR PERMISSION.

Initial Action

THE MANAGER SAID THAT THEY WILL CLEAN IT UP.



Address

UNSER AND CENTRAL

Inspection Date

11/2/2022

Reporting Date

10/31/2022

Customer

ANDREW TRUJEQUE

SOURCE

311

311CASE_ID

221031-000900

Customer_Ph

620-2223

e_mail

na

X_Link

Complaint type

OIL

Inspector

GS

Facility Contac

NA

Facility_Ph_No

na

Suspected_Facility

NA

EVENT_ID

1136

is it in gis

-1

Complaint

OIL PAN DROPPED ON THE STREET AT UNSER BLVD AND CENTRAL LEAKING NORTH WEST SIDE OF ROAD NEXT TO MEDIAN.

Field Observation

INSPECTOR DID NOT SEE ANY CONTAINER, PROBABLY IT WAS REMOVED BY SOMEONE.

Initial Action

NO ACTION



Address

SPAIN AND VAN CHRISTOPHER NE

Inspection Date

11/2/2022

Reporting Date

11/1/2022

Customer

CATHY ARTHUR

SOURCE

311

311CASE_ID

221101-001997

Customer_Ph

293-6978

e_mail

na

X_Link

Complaint type

OIL

Inspector

GS

Facility Contac

NA

Facility_Ph_No

na

Suspected_Facility

STREET

EVENT_ID

1137

is it in gis

-1

Complaint

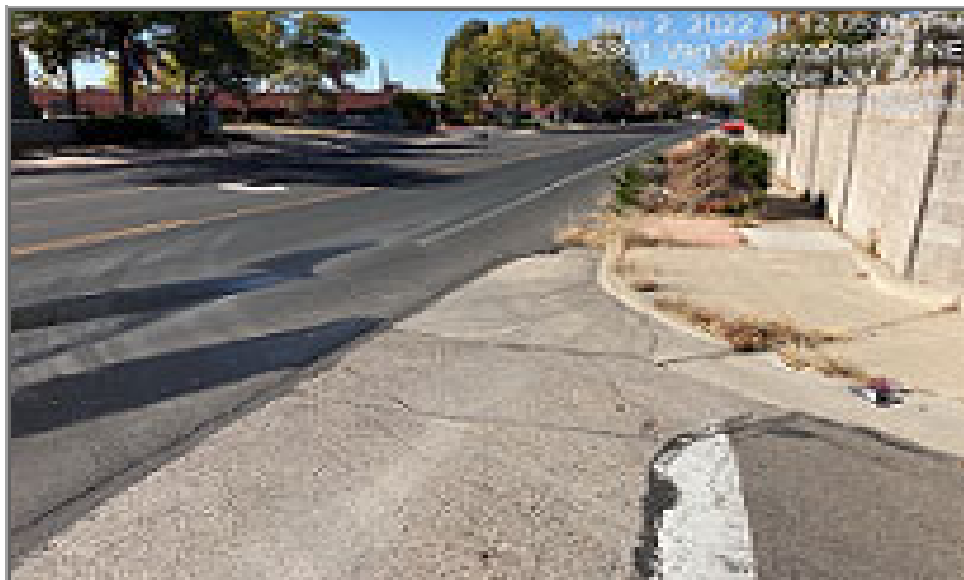
OIL SPILL ON SPAIN RIGHT HAND LANE

Field Observation

INSPECTOR DID NOT SEE ANY OIL SPILL

Initial Action

NO ACTION



Address

1204 CASA ROJA PL NW

Inspection Date

11/4/2022

Reporting Date

10/23/2022

Customer

ANONYMOUS

SOURCE

PH

311CASE_ID

PH

Customer_Ph

681-6108

e_mail

na

X_Link

Complaint type

Sewage

Inspector

GS

Facility Contac

NA

Facility_Ph_No

na

Suspected_Facility

RV

EVENT_ID

1138

is it in gis

-1

Complaint

THERE'S A GENTLEMAN PARKED IN FRONT OF 1204 COSTA PROFILE PLACE NW. HE'S DUMPING HIS SEWAGE IN THE STREET FROM HIS R V HE'S BEEN PARKED THERE ALL WEEKEND.

Field Observation

INSPECTOR DID NOT OBSERVE ANY SEWAGE AT THIS SITE OR THE RV.

Initial Action

NO ACTION



Address

PAN AMERICAN FRWY AND FOREST HILLS NE

Inspection Date

11/9/2022

Reporting Date

11/7/2022

Customer

ANONYMOUS

SOURCE

311

311CASE_ID

221107-000535

Customer_Ph

NA

e_mail

na

X_Link

Complaint type

Hazardous Material

Inspector

SK

Facility Contac

NA

Facility_Ph_No

na

Suspected_Facility

VACANT LAND

EVENT_ID

1139

is it in gis

-1

Complaint

5 CITY SPRAY TRUCKS ARE DRAINING FROM THE TANKS ON TO THE DIRT THAT GOES INTO THE DRAINS BY PRESBYTERIAN PROPERTY.

Field Observation

UNABLE TO LOCATE THE SPILL SITE OR THE OWNER OF THE TRUCKS

Initial Action

NO ACTION



Address

I-40 RAMP AND COORS NW

Inspection Date

11/17/2022

Reporting Date

11/8/2022

Customer

CAROLYN WOOLCOT

SOURCE

311

311CASE_ID

221108-001010

Customer_Ph

999-7771

e_mail

carolynwoolcott@msn.com

X_Link

Complaint type

Hazardous Material

Inspector

GS

Facility Contac

NA

Facility_Ph_No

na

Suspected_Facility

BUSINESS

EVENT_ID

1140

is it in gis

-1

Complaint

THERE IS BAG OF EXCREMENT THAT HAS BEEN STOPPED AND SPREAD ALL OVER. THE MESS IS BY THE FRONT DOOR ON THE SIDEWALK IN FRONT R GREENLEAF WHICH IS BETWEEN WAL MART AND HOME DEPOT

Field Observation

THIS IS ON A PRIVATE PROPERTY

Initial Action

THE BUSINESS SHOULD HIAR A HAZARDOUS WASTE REMEDIATION COMPANY FOR CLEAN UP.



Address

86TH AND TOWER SW

Inspection Date

11/17/2022

Reporting Date

11/16/2022

Customer

GLORIA ARMIJO

SOURCE

311

311CASE_ID

221116-000471

Customer_Ph

357-9848

e_mail

oreocat57@gmail.com

X_Link

Complaint type

OIL

Inspector

GS

Facility Contac

NA

Facility_Ph_No

na

Suspected_Facility

SIDEWALK

EVENT_ID

1141

is it in gis

-1

Complaint

LARGE (3-5 GALLON) WHITE BUCKET OF OIL AT INTERSECTION
CALLER CONCERNED THAT BUCKET WILL BE SPILLED INTO THE STREET

Field Observation

Initial Action

ASKED SOLIDWASTE DEPT TO PICK UP THE USED OIL CONTAINER



Address

VENTURA AND PDN NE

Inspection Date

11/18/2022

Reporting Date

11/18/2022

Customer

SHELLIE EATON

SOURCE

PH

311CASE_ID

PH

Customer_Ph

768-2774

e_mail

seaton@cabq.gov

X_Link

Complaint type

OIL

Inspector

SK

Facility Contac

NA

Facility_Ph_No

na

Suspected_Facility

SIDEWALK

EVENT_ID

1142

is it in gis

-1

Complaint

OIL SPILL ON SIDEWALK

Field Observation

OIL SPILL ON SIDEWALK

Initial Action

I COVERED THE OIL SPILL WITH ABSORBENT



Address

5805 NIGHT WHISPER NW

Inspection Date

11/30/2022

Reporting Date

11/29/2022

Customer

CONNIE

SOURCE

WEB

311CASE_ID

WEB

Customer_Ph

923-0027

e_mail

consuelosalas00@yahoo.co

X_Link

Complaint type

Sewage

Inspector

SK

Facility Contac

RESIDENT

Facility_Ph_No

na

Suspected_Facility

RV

EVENT_ID

1143

is it in gis

-1

Complaint

AN RV IS DUMPING SOMETHING IN THE DRAINAGE. THERE IS A BLACK HOSE CONNECTED TO THE RV DIRECTLY IN THE DRAINAGE.

Field Observation

THERE WAS A PIPE COMING OUT FROM RV TO STORM INLET.NO DISCHARGE OBSERVED

Initial Action

I SPOKE TO THE RESIDENT AND HE TOLD ME THAT HE PUT THE PIPE TO PROTECT FROM FREEZING AND HE NEVER DUMPED ANY THING TO STORM DRAIN. HE DID REMOVE THE PIPE



Address

9004 SUNFISH SW

Inspection Date

11/30/2022

Reporting Date

11/30/2022

Customer

ANONYMOUS

SOURCE

311

311CASE_ID

221130-000904

Customer_Ph

NA

e_mail

na

X_Link

Complaint type

Dog Poops

Inspector

SK

Facility Contac

RESIDENT

Facility_Ph_No

Suspected_Facility

HOME

EVENT_ID

1144

is it in gis

-1

Complaint

PERSON DUMPING DOG POOP INTO STORM DRAIN

Field Observation

NOBODY WAS HOME. THERE WERE NO DOG POOPS IN THE INLET

Initial Action

DISTRIBUTED POLLUTION PREVENTION BROCHURES AT THIS NEIGHBORHOOD



Address

6516 CAMINO DEL OESTE NE

Inspection Date

12/9/2022

Reporting Date

12/9/2022

Customer

ROD YAKSICH

SOURCE

311CASE_ID

221209-000051

Customer_Ph

681-7612

e_mail

na

X_Link

Complaint type

Paint

Inspector

SK

Facility Contac

RESIDENT

Facility_Ph_No

na

Suspected_Facility

HOME

EVENT_ID

1145

is it in gis

-1

Complaint

PAINT DUMPED GOING INTO INLET GRATE

Field Observation

I DID NO SEE ANY PAINT TRACK ALONG THE GUTTER AT THIS NEIGHBORHOOD

Initial Action

DISTRIBUTED POLLUTION PREVENTION BROCHURES AT THIS NEIGHBORHOOD



Address

ATRISCO AND MIAMI NW

Inspection Date

12/23/2022

Reporting Date

12/23/2022

Customer

CORINNE BERENDT

SOURCE

311

311CASE_ID

221223-000595

Customer_Ph

539-5321

e_mail

mailto:corinne239@comca

X_Link

Complaint type

OIL

Inspector

SK

Facility Contac

NA

Facility_Ph_No

na

Suspected_Facility

PARKING LOT

EVENT_ID

1146

is it in gis

-1

Complaint

LEAKING 10 GALLON BETWEEN THE WALMART PARKING LOT AND BETWEEN THE CAT WALK (NO ACCESS BUT STRUCTURE)

Field Observation

IT WAS GONE, PROBABLY SOMEONE PICKED IT UP.

Initial Action

NO ACTION



Address

9734 WESTERN AV SW

Inspection Date

12/28/2022

Reporting Date

12/26/2022

Customer

ROBERT POTTER

SOURCE

311

311CASE_ID

221226-000729

Customer_Ph

232-2486

e_mail

hvac87108356@yahoo.co

X_Link

Complaint type

OIL

Inspector

SK

Facility Contac

NA

Facility_Ph_No

na

Suspected_Facility

STREET

EVENT_ID

1147

is it in gis

-1

Complaint

TRAIL OF MOTOR OIL FROM WESTERN AVE SW AND W SKY ST SW LEADING TO THE ADDRESS / BLACK STREAM OF OIL WB

Field Observation

THERE WAS A BROKEN CAR CAUSED OIL SPILL AROUND THIS AREA

Initial Action

I COVERED THE SPOTS WITH ABSORBENT AND DISTRIBUTED POLLUTION PREVENTION BROCHURES



Address

10212 MCKNIGHT NE

Inspection Date

12/28/2022

Reporting Date

12/27/2022

Customer

RICK SHEAN-NMED

SOURCE

EMAIL

311CASE_ID

EMAIL

Customer_Ph

629-6494

e_mail

Rick.Shean@env.nm.gov

X_Link

Complaint type

OIL

Inspector

GS

Facility Contac

RESIDENT

Facility_Ph_No

na

Suspected_Facility

HOME

EVENT_ID

1148

is it in gis

-1

Complaint

THE RESIDENTIAL PROPERTY IS SEEMINGLY BEING USED AS A BUSINESS PERFORMING CAR MAINTENANCE AND HAS SEVERAL OIL STAINS THAT ARE OBSERVABLE IN THE PICTURES BELOW. IS THERE SOMEONE IN THE CITY OR COUNTY WHO CAN RESPOND TO THIS TYPE OF SITUATION?

Field Observation

THERE ARE A LOT OF OIL SPOTS AT THIS AREA.NOBODY WAS HOME.

Initial Action

LEFT POLLUTION PREVENTION BROCHOURES AT THIS RESIDENT.CODE ENFORCEMENT SITE THIS HOME FOR VOIATION.



Address

420 WASHINGTON SE

Inspection Date

1/4/2023

Reporting Date

1/3/2023

Customer

BARBARA JACINTO

SOURCE

311

311CASE_ID

230103-000894

Customer_Ph

255-4201

e_mail

mailto:barbj@vossoci.com

X_Link

Complaint type

OIL

Inspector

SK

Facility Contac

NA

Facility_Ph_No

na

Suspected_Facility

SIDEWALK

EVENT_ID

1149

is it in gis

-1

Complaint

OIL IN THE GUTTER NEAR PROPERTY ADDRESS ON THE WESTSIDE OF BUILDING.

Field Observation

THERE WAS A BIG OIL SPILL SPOT ON THE SIDEWALK

Initial Action

COVERED THE OIL SPOTS WITH ABSORBENT.



Address

MONTECITO APARTMENTS AT 5800 HARPER NE

Inspection Date

1/19/2023

Reporting Date

1/12/2023

Customer

GEORGE LUCERO

SOURCE

311

311CASE_ID

230112-001691

Customer_Ph

362-6966

e_mail

X_Link

Complaint type

OIL

Inspector

GS

Facility Contac

APART MANAGER

Facility_Ph_No

821-1723

Suspected_Facility

MONTECITO APARTMENTS

EVENT_ID

1150

is it in gis

-1

Complaint

SEMI OIL SPILLED IN THE STREET IN THE CUL DE SAC ON THE EAST AND WEST SIDE

Field Observation

THERE WERE SEVERAL OIL SPOTS UNDER THE TRUCK.

Initial Action

ASKED THE APARTMENT MANAGER TO CLEAN UP THE OIL SPOTS AND LEFT POLLUTION PREVENTION BROCHURES WITH THE MANAGER



Address

507 CROMWELL SW

Inspection Date

1/13/2023

Reporting Date

1/12/2023

Customer

LEROY TORRES

SOURCE

311

311CASE_ID

230112-001720

Customer_Ph

569-2350

e_mail

X_Link

Complaint type

Leaves

Inspector

GS

Facility Contac

RESIDENT

Facility_Ph_No

Suspected_Facility

HOME

EVENT_ID

1151

is it in gis

-1

Complaint

CALLER REPORTING PEOPLE AT ADDRESS, DUMPING ASHES IN THE DRAINAGE.

Field Observation

THERE WAS EVIDENCE OF BURNT LEAVES BEING THROWN INTO THE SW INLET

Initial Action

THE RESIDENT DENIED THROWING THE ASHES INTO THE INLET, BUT HE CLEANRD UP THE REMAINING ASHES. INSPECTOR DISTRIBUTED EDUCATIONAL MATERIAL AT THIS AREA.



Address

CEDAR BETWEEN COAL AND HAZELDINE SE

Inspection Date

1/12/2023

Reporting Date

1/12/2023

Customer

KV

SOURCE

EMAIL

311CASE_ID

EMAIL

Customer_Ph

e_mail

X_Link

Complaint type

OIL

Inspector

SK, SL

Facility Contac

SOLID WASTE

Facility_Ph_No

na

Suspected_Facility

STREET

EVENT_ID

1152

is it in gis

-1

Complaint

OIL SPILL ON THIS AREA FROM VEHICLE BREAK DOWN

Field Observation

ALL THE OIL SPOTS WERE COVERED WITH ABSORBENT. ALSO, THERE WAS A SWEEPER ON THE SITE SWEEPING THE ABSORBENT.

Initial Action

CHECKED ALL THE INLETS ALONG THIS STORM LINE AND THEY WERE DRY AND NO OIL ENTERED THE INLETS



Address

10000 RANGE SW

Inspection Date

1/30/2023

Reporting Date

1/28/2023

Customer

SECLICKFIX

SOURCE

311

311CASE_ID

230128-000505

Customer_Ph

NA

e_mail

na

X_Link

Complaint type

OIL

Inspector

GS

Facility Contac

RESIDENT

Facility_Ph_No

na

Suspected_Facility

HOME

EVENT_ID

1153

is it in gis

-1

Complaint

OIL AND CAR PARTS ALL OVER

Field Observation

THERE WERE SEVERAL OIL SPOT AT THIS AREA

Initial Action

THE RESIDENT WAS NOT HOME, LEFT EDUCATUNAL MATERIAL AT THIS AREA.



Address

COURTESY PLUMBING AT 1216 PRINCETON NE

Inspection Date

1/30/2023

Reporting Date

1/30/2023

Customer

KALI BRONSON-BC

SOURCE

EMAIL

311CASE_ID

EMAIL

Customer_Ph

934.3613

e_mail

kbronson@bernco.gov

X_Link

Complaint type

Construction

Inspector

GS

Facility Contac

CONTRACTOR

Facility_Ph_No

Suspected_Facility

COURTESY PLUMBING

EVENT_ID

1154

is it in gis

-1

Complaint

I SAW THEM HOSING OFF THE STREET IN FRONT OF THE HOUSE AT THE END OF THE DAY. THERE'S SIGNIFICANT SEDIMENT LEFT IN THE STREET, ESPECIALLY IN FRONT OF THE HOUSE NEXT DOOR

Field Observation

THERE WERE DRY SEDEMENT ALONG THE GUTTER

Initial Action

THE CONTRACTOR SAID THAT THEY WILL SWEEP THE AREA. ALSO DISTRIBUTED EDUCATIONAL MATERIAL AT THIS NEIGHBORHOOD



Address

DE ANZA AND DEL RAY SW

Inspection Date

2/7/2023

Reporting Date

2/7/2023

Customer

HERMAN GALLEGOS

SOURCE

MS4 CO

311CASE_ID

MS4 COMPLIANC

Customer_Ph

681-2767

e_mail

hgallegos@cabq.gov

X_Link

Complaint type

OIL

Inspector

GS

Facility Contac

NA

Facility_Ph_No

na

Suspected_Facility

VACANT LOT

EVENT_ID

1155

is it in gis

-1

Complaint

OPEN CONTAINER FILLED WITH MOTOR OIL

Field Observation

OPEN CONTAINER FILLED WITH MOTOR OIL

Initial Action

FORWARDED TO SOLID WASTE DEPT TO TAKE AN ACTION.



Address

6201 COPPER NE

Inspection Date

2/23/2023

Reporting Date

2/23/2023

Customer

JEFF BOND

SOURCE

311

311CASE_ID

230223-000493

Customer_Ph

266-9091

e_mail

jbautoglass@yahoo.com

X_Link

Complaint type

OIL

Inspector

GS

Facility Contac

NA

Facility_Ph_No

Suspected_Facility

STREET

EVENT_ID

1156

is it in gis

-1

Complaint

OIL RUNNING IN STREET GUTTER FROM SIDE OF BUILDING GOING WESTBOUND

Field Observation

THERE WERE SEVERAL BIG OIL SPOTS AT THIS AREA, IT LOOKS LIKE THE OIL CAME FROM A BROKEN VEHICLE.

Initial Action

ASKED STREET MAINTENANCE FOR CLEAN UP.



Address

800 JEWEL NE

Inspection Date

3/1/2023

Reporting Date

2/28/2023

Customer

ASHLEY CARRILLO

SOURCE

311

311CASE_ID

230228-001484

Customer_Ph

639-7262

e_mail

ash_marie87@icloud.com

X_Link

Complaint type

Cooking Grease

Inspector

SK

Facility Contac

RESIDENT

Facility_Ph_No

Suspected_Facility

HOME

EVENT_ID

1157

is it in gis

-1

Complaint

INDIVIDUAL IS DUMPING GREASE DOWN THE INLET. STATES IS BLACK AND NEEDS TO INVESTIGATED.

Field Observation

THERE WAS GREASE SPOT AT THIS INLET.

Initial Action

I DISTRIBUTED SOME POLLUTION PREVENTION BROCHURES AT THIS NEIGHBORHOOD. ALSO A GLUED NO DUMP SIGNS ON EACH OF THE 7 INLETS AT THIS AREA.



Address

8709 HAMPTON NE

Inspection Date

3/2/2023

Reporting Date

3/1/2023

Customer

MARIO GONZALEZ

SOURCE

WEB

311CASE_ID

WEB

Customer_Ph

400-9883

e_mail

mgzelaznog@gmail.com

X_Link

Complaint type

Construction

Inspector

SK

Facility Contac

RESIDENT

Facility_Ph_No

na

Suspected_Facility

STREET

EVENT_ID

1158

is it in gis

-1

Complaint

WHITE POWDER MATERIAL DUMPED AROUND 8710 HAMPTON AVE NE - SEEMS SOME CONCRETE WORK WAS DONE AT THE WATER METER OR SIDEWALK . THE POWDER ACCUMULATED AT MY HOUSE AT 8409 - CAN YOU SEND A STREET SWEEPER TO CLEAN THE AREA?

Field Observat

THERE WAS WHITE RESIDUE ALONG THE GUTTER ORIGINATING FROM THIS ADDRESS. IT WAS THE CONTRACTOR WHO LET THE CONCRETE CUTTING GRINDING TO GO TO THE STREET.

Initial Action

I ASKED THE RESIDENT TO CONTACT THE CONTRACTOR TO CLEAN UP THE DRY RESIDUE.



Address

3323 PAINTED ROCK NW

Inspection Date

3/10/2023

Reporting Date

3/10/2023

Customer

JASON GUTIERREZ-P

SOURCE

EMAIL

311CASE_ID

EMAIL

Customer_Ph

263-4480

e_mail

jasongutierrez@cabq.gov

X_Link

Complaint type

OIL

Inspector

SK

Facility Contac

RESIDENT

Facility_Ph_No

na

Suspected_Facility

HOME

EVENT_ID

1159

is it in gis

-1

Complaint

THIS RESIDENT IS DRAINING RADIATOR FLUID ONTO THE STREET

Field Observation

THERE WERE SEVERAL OIL SPOTS AT THIS LOCATION.

Initial Action

I SPOKE TO THE RESIDENT AND ASKED TO CLEAN UP THE AREA. ALSO DISTRIBUTED EDUCATIONAL MATERIAL AT THIS NEIGHBORHOOD



Address

5120 5TH ST NW

Inspection Date

3/15/2023

Reporting Date

3/13/2023

Customer

DIEGO RUBI

SOURCE

311

311CASE_ID

230313-001499

Customer_Ph

235-3708

e_mail

mailto:extrubi@hotmail.co

X_Link

Complaint type

OIL

Inspector

SK

Facility Contac

NA

Facility_Ph_No

na

Suspected_Facility

STREET

EVENT_ID

1160

is it in gis

-1

Complaint

SOMEONE SPILLED MOTOR OIL ON THE STREET AND WALL AND SIDEWALK AT ADDRESS PROVIDED

Field Observation

THERE WERE SEVERAL OIL SPOTS AT THIS INLET

Initial Action

I COVERED ALL THE OIL SPOTS WITH ABSORBENR AND DISTRIBUTED POLLUTION PREVENTION BROCHURES AT THIS NEIGHBORHOOD



Address

INDIAN SCHOOL AND ALVARADO NE

Inspection Date

3/23/2023

Reporting Date

3/21/2023

Customer

ANONYMOUS

SOURCE

311

311CASE_ID

230321-001464

Customer_Ph

NA

e_mail

na

X_Link

Complaint type

Hazardous Material

Inspector

SK

Facility Contac

NA

Facility_Ph_No

na

Suspected_Facility

STORM LINES

EVENT_ID

1161

is it in gis

-1

Complaint

VEHICLE HAS A HOSE RUNNING INTO SEWER NEAR ALLEY DUMPING SOMETHING INTO THE SEWER. CALLER DOES NOT KNOW WHAT IS BEING DUMPED OR WHO VEHICLE BELONGS TO.

Field Observation

THERE WERE SEVERAL PAINTED MARKS FOR LOCATING SEWER LINES AND NO EVIDENCE OF ANY DUMPING

Initial Action

NO ACTION



Address

1016 JUAN TABO NE

Inspection Date

4/7/2023

Reporting Date

4/6/2023

Customer

WA-MYRNA DUART

SOURCE

EMAIL

311CASE_ID

EMAIL

Customer_Ph

842-9287

e_mail

mduarte@abcwua.org

X_Link

Complaint type

Sewage

Inspector

SK

Facility Contac

PROPERTY MANAGER

Facility_Ph_No

na

Suspected_Facility

PLAZA

EVENT_ID

1162

is it in gis

0

Complaint

SEWER BACK AT THE PARKING LOT

Field Observation

SEWER CLEAN UP POINT WAS CLOGED AND SEWAGE WAS FLOWING OUT

Initial Action

CONTACTED THE PROPERTY MANAGER AND ASKED TO FIX IT. THE MANAGER SENT A PLUMBER AND UNPLUGGED THE PIPE AND CLEANED UP ALL THE SEWAGE COVERED AREA.



Address

4400 BOONE NE

Inspection Date

4/13/2023

Reporting Date

4/13/2023

Customer

ANONYMOUS

SOURCE

311

311CASE_ID

230413-000222

Customer_Ph

NA

e_mail

na

X_Link

Complaint type

Hazardous Material

Inspector

SK

Facility Contac

RESIDENT

Facility_Ph_No

na

Suspected_Facility

HOME

EVENT_ID

1163

is it in gis

0

Complaint

STORM DRAIN CHEMICAL POLLUTION. THE BUSINESS WHERE THE THE POLLUTION IS HAPPENING IS DHA HYDE SPECIALIST.

Field Observation

I WENT TO THIS CALL YESTERDAY, IT WAS A MINOR DRY WHITE RESIDUE ON THE STREET AT THIS ADDRESS. I SPOKE TO THE RESIDENT AND HE TOLD ME HE JUST WASHED HIS FRONT DRIVEWAY.

Initial Action

I LEFT SOME EDUCATIONAL MATERIAL AT THIS NEIGHBORHOOD AND GLUED NO DUMPS SIGNS ON THE 4 INLETS AT THIS SITE.



Address

6225 AGATE NW

Inspection Date

4/20/2023

Reporting Date

4/17/2023

Customer

JAMES JEFFERIES

SOURCE

311

311CASE_ID

230417-000549

Customer_Ph

235-4443

e_mail

mailto:jammar92@msn.co

X_Link

Complaint type

Leaves

Inspector

SK

Facility Contac

NA

Facility_Ph_No

na

Suspected_Facility

UNKNOWN CONTRACTOR

EVENT_ID

1164

is it in gis

0

Complaint

A CONTRACTOR BLEW YARD WASTE IN A STORM DRAIN

Field Observation

THERE WERE LITTLE AMOUNT OF LEAVES IN THE INLET

Initial Action

GLUED NO DUMP SIGN ON THE INLETS



Address

PINO DAM AT TRAMWAY AND ACADEMY NE

Inspection Date

4/19/2023

Reporting Date

4/19/2023

Customer

SHELLIE EATON

SOURCE

EMAIL

311CASE_ID

EMAIL

Customer_Ph

e_mail

X_Link

Complaint type

Construction

Inspector

SK

Facility Contac

DOUG HUGHES

Facility_Ph_No

Suspected_Facility

ALLASO HIGH DESERT APPTS

EVENT_ID

1165

is it in gis

0

Complaint

CONSTRUCTION DEBRIES ENTERING PINO DAM

Field Observation

THERE WAS A BIG CONSTRUCTION SITE WITH NO NPDES PERMIT

Initial Action

THE SITE OWNER/OPERATOR WILL RENEW THE PERMIT



Address

COFFEE SHOP AT COAL AND 4TH

Inspection Date

4/28/2023

Reporting Date

4/28/2023

Customer

KALI BRONSON

SOURCE

EMAIL

311CASE_ID

EMAIL

Customer_Ph

537-3005

e_mail

mailto:kbronson@berncog

X_Link

Complaint type

Nuisance Water

Inspector

SK

Facility Contac

MANAGER

Facility_Ph_No

na

Suspected_Facility

COFFEE SHOP

EVENT_ID

1166

is it in gis

0

Complaint

COFFEE AND OTHER LIQUIDS IN THE ROW OF 4TH ST

Field Observation

THERE WAS DRY DARK RESIDUE ALONG THE GUTTER AT THIS ADDRESS

Initial Action

I ASKED THE MANAGER TO CLEN UP THE GUTTER AND LEFT SOME EDUCATIONAL MATERIAL.



Address

215 ERBBE AND BUNE VISTA

Inspection Date

5/5/2023

Reporting Date

5/4/2023

Customer

SOURCE

EMAIL

311CASE_ID

EMAIL

Customer_Ph

e_mail

X_Link

Complaint type

Sewage

Inspector

SK

Facility Contac

Facility_Ph_No

Suspected_Facility

EVENT_ID

1167

is it in gis

0

Complaint

RV PARKED DUMPING SEWAGE TO STORM DRAIN

Field Observation

IT WAS A BROKEN RV, NO SEWAGE HAS BEEN DUMPED

Initial Action

COVERD THE AREA AROUND STORM INLET WITH OIL ABSORBENT AND GLUED NO DUMP SIGN ON THE ILETS NEAR BY. ALSO LEFT EDUCATIONAL MATERIAL WITH RV OWNER.



Address

CLAREMONT AND BROADWAY POND

Inspection Date

5/5/2023

Reporting Date

5/5/2023

Customer

SHELLIE EATON

SOURCE

EMAIL

311CASE_ID

EMAIL

Customer_Ph

e_mail

X_Link

Complaint type

Trash

Inspector

SK

Facility Contac

NA

Facility_Ph_No

na

Suspected_Facility

POND

EVENT_ID

1168

is it in gis

0

Complaint

AROUND 50 TIRES WERE DUMPEN INSIDE THE POND

Field Observation

AROUND 50 TIRES WERE DUMPEN INSIDE THE POND

Initial Action

ASKED ARROYO MAINTENANCE TO REMOVE THEM



Address

SUBWAY AT 13110 CENTRAL SE

Inspection Date

5/10/2023

Reporting Date

5/10/2023

Customer

WA-MYRNA DUART

SOURCE

EMAIL

311CASE_ID

EMAIL

Customer_Ph

289-3523

e_mail

mailto:mduarte@abcwua.o

X_Link

Complaint type

Sewage

Inspector

SK

Facility Contac

MANAGER

Facility_Ph_No

na

Suspected_Facility

SUBWAY

EVENT_ID

1169

is it in gis

0

Complaint

SEWAGE WAS BUBBLING UP BEHIND THE RESTAURANT AND RUNNING DOWN THE STREET TO COCHITI RD SE.

Field Observation

THE PROBLEM GOT FIXED AND THE AREA WAS DRY.

Initial Action

ASKED THE MANAGER TO CLEN UP THE AREA AND GAVE THEM EDUCATIONAL MATERIAL



Address

7900 LORRAINE NE

Inspection Date

6/8/2023

Reporting Date

6/6/2023

Customer

ANONYMOUS

SOURCE

WEB

311CASE_ID

WEB

Customer_Ph

NA

e_mail

na

X_Link

Complaint type

Dog Poops

Inspector

SK

Facility Contac

MANAGER

Facility_Ph_No

na

Suspected_Facility

DANCARE

EVENT_ID

1170

is it in gis

0

Complaint

DOG WASHING WATER BEING DUMPED ON THE GROUND OUTSIDE THE BACK OF THE BUILDING. BUSINESS BEEN AROUND FOR A FEW YEARS. RECENT NAME CHANGE AND LLC.

Field Observation

THERE WAS SMALL WET SPOT AT THE BACK OF THE BUILDING. THEY DENIED DUMPING ANY WASTE OUTSIDE.

Initial Action

I GAVE THEM EDUCATIONAL MATERIAL



Address

10613 SATELLITE NW

Inspection Date

6/14/2023

Reporting Date

6/10/2023

Customer

SECLICKFIX

SOURCE

311

311CASE_ID

230610-000218

Customer_Ph

NA

e_mail

X_Link

Complaint type

Paint

Inspector

SK

Facility Contac

RESIDENT

Facility_Ph_No

na

Suspected_Facility

HOME

EVENT_ID

1171

is it in gis

0

Complaint

PAINT WAS DUMPED IN THE GUTTER AT THIS ADDRESS AND TRAVELED SEVERAL HUNDRED FEET DOWN THE HILL TOWARDS SHOOTING STAR NW

Field Observation

THERE WAS SOME FAINT WHITE DRY RESIDUE ALONG THE GUTTER

Initial Action

THE RESIDENT DENIED DUMPING ANY PAINT, HE SAID HE JUST WASHED HIS DRIVEWAY. I DISTRIBUTED EDUCATIONAL MATERIAL AT THIS NEIGHBORHOOD



Address

MOBILE HOME PARK AT 10724 CENTRAL SE

Inspection Date

6/15/2023

Reporting Date

6/13/2023

Customer

WA-ESPERANZA LO

SOURCE

EMAIL

311CASE_ID

EMAIL

Customer_Ph

289-3551

e_mail

mailto:elouissena@abcwua

X_Link

Complaint type

Sewage

Inspector

SK

Facility Contac

MANAGER

Facility_Ph_No

na

Suspected_Facility

MOBILE HOME

EVENT_ID

1172

is it in gis

0

Complaint

SEWAGE LEAKING FROM A MOBILE HOME

Field Observation

IT WAS FIXED, AND DRY

Initial Action

I LEFT EDUCATUANAL MATERIAL WITH THE MANAGER



Address

4101 PAN AMERICAN FRWT NW

Inspection Date

6/16/2023

Reporting Date

6/15/2023

Customer

KALI BRONSON

SOURCE

EMAIL

311CASE_ID

EMAIL

Customer_Ph

364.3532

e_mail

kbronson@bernco.gov

X_Link

Complaint type

Hazardous Material

Inspector

SK

Facility Contac

NA

Facility_Ph_No

na

Suspected_Facility

ARROYO

EVENT_ID

1173

is it in gis

0

Complaint

HAZARDUS WASTE IN THE ARROYO

Field Observation

THERE WERE A LOT OF TRASH IN THE ARROYO. THIS ARROYO IS NMDOT PROPERTY

Initial Action

ASKED THE CALLER TO CONTACT NMDOT



Address

MOUNTAIN ROAD EAST OF 19TH ST NE

Inspection Date

6/21/2023

Reporting Date

6/16/2023

Customer

NMED-STEPHEN CO

SOURCE

EMAIL

311CASE_ID

EMAIL

Customer_Ph

470-8495

e_mail

stephen.connolly@state.n

X_Link

Complaint type

Sewage

Inspector

SK

Facility Contac

NA

Facility_Ph_No

na

Suspected_Facility

STREET

EVENT_ID

1174

is it in gis

0

Complaint

RELEASE OF RAW SEWAGE FROM THE CITY SEWER PIPELINE. THE CAUSE OF RELEASE IS DUE TO WORK THAT IS BEING DONE

Field Observation

THERE WAS A BIG PROJECT FOR REPLACEMENT OF SANITARY SEWER ALONG THIS STREET CAUSING STRONG SMELL. THERE WAS NO SEWAGE SPILL TO THE STREET.

Initial Action

ASKED THE CONTRACTOR TO PROTECT STORM INLETS CLOSE TO THE TRENCH.

