

## Annual Report Format



**National Pollutant Discharge Elimination System Stormwater Program  
MS4 Annual Report Form**



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

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

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

### 1. MS4(s) Information

Albuquerque Metropolitan Arroyo Flood Control Authority (AMAFCA)

Name of MS4

Jerry

Lovato

Executive Engineer

Name of Contact Person (First)

(Last)

(Title)

505-884-2215

jlovato@amafca.org

Telephone (including area code)

E-mail

2600 Prospect Ave. NE

Mailing Address

Albuquerque

NM

87107

City

State

ZIP code

What size population does your MS4(s) serve? 627,000

NPDES number NMR04A016

What is the reporting period for this report? (mm/dd/yyyy) From Jul 1, 2019 to Jun 30, 2020

### 2. Water Quality Priorities

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

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

Impaired Water	Impairment	Approved TMDL	TMDL assigns WLA to MS4
Rio Grande (Isleta -Tijeras)	E. coli	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Rio Grande (Isleta -Tijeras)	DO, PCBs in Fish	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Rio Grande (Tijeras - Alameda)	DO, PCBs in Fish, Temperature	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Rio Grande (Tijeras - Alameda)	E. coli-not impaired, has TMDL	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

**2. B. Continued**

Impaired Water	Impairment	Approved TMDL		TMDL assigns WLA to MS4	
Rio Grande (Alameda - US550)	Gross Alpha, adjusted	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Rio Grande (Alameda - US550)	PCBs in Fish & Water Column	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Rio Grande (Alameda - US550)	E. coli-not impaired, has TMDL	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" 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 (E. coli) within the watershed & potential low DO related to the NDC outfall.

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

**3. Public Education and Public Participation**

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

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

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

Please refer to [www.keeptheriogrand.org](http://www.keeptheriogrand.org) website for documentation related to successful outcomes.

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

**4. Construction**

- A. Do you have an ordinance or other regulatory mechanism stipulating:
- Erosion and sediment control requirements? ☒ Yes ☐ No
- Other construction waste control requirements? ☒ Yes ☐ No
- Requirement to submit construction plans for review? ☒ Yes ☐ No
- MS4 enforcement authority? ☒ Yes ☐ No
- B. Do you have written procedures for:
- Reviewing construction plans? ☒ Yes ☐ No
- Performing inspections? ☒ Yes ☐ No
- Responding to violations? ☒ Yes ☐ No
- C. Identify the number of active construction sites  $\geq 1$  acre in operation in your jurisdiction at any time during the reporting period.
- D. How many of the sites identified in 4.C did you inspect during this reporting period?
- E. Describe, on average, the frequency with which your program conducts construction site inspections.

Inspections complied with CGP & MS4 requirements for inspection frequency.

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

If Yes, based on what criteria?

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

- |   |                       |                       |              |                                     |
|---|-----------------------|-----------------------|--------------|-------------------------------------|
| <input type="checkbox"/> Yes            | Notice of violation   | <input type="text"/>  | No Authority | <input checked="" type="checkbox"/> |
| <input type="checkbox"/> Yes            | Administrative fines  | <input type="text"/>  | No Authority | <input checked="" type="checkbox"/> |
| <input type="checkbox"/> Yes            | Stop Work Orders      | 0                     | No Authority | <input 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 checked="" type="checkbox"/> Yes | Other                 | Default by contractor |              |                                     |

- 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?

Besides the default by contractor, there was no violations requiring enforcement during FY 2020.

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

## 5. Illicit Discharge Elimination

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

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

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

5

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

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

5 - All outfalls

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

5 - All outfalls

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

Typically, outfalls are visually screened monthly.

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

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

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

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	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
All municipal construction activities, including those disturbing less than 1 acre	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
All municipal turf grass/landscape management activities	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
All municipal vehicle fueling, operation and maintenance activities	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
All municipal maintenance yards	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
All municipal waste handling and disposal areas	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> 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?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Long-term operation and maintenance of stormwater management controls?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Retrofitting to incorporate long-term stormwater management controls?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> 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://www.amafca.org/drainage-policy/>

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:  Amount \$  OR %

Source:  Amount \$  OR %

Source:  Amount \$  OR %



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

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

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

#### 9. Evaluating/Measuring Progress

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

Indicator	Began Tracking (year)	Frequency	Number of Locations
<i>Example: E. coli</i>	2003	Weekly April–September	20
Various (EPA approved analyte list)	2016	Qualifying events (up to 7)	2
Various/EPA approved analyte list	2014	Wet weather, annually	8
Please refer to the attached Annual			
Report for AMAFCA website for			
additional information			

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

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

#### 10. Additional Information

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

#### Certification Statement and Signature

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

☒ Yes ☐ No

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

Signature



Jerry M. Lavato

Name of Certifying Official, Title

12/1/2020

Date (mm/dd/yyyy)

**NPDES PERMIT No.  
NMR04A000**

**FY 2020  
MS4 ANNUAL REPORT**

**FOR**

**ALBUQUERQUE METROPOLITAN ARROYO  
FLOOD CONTROL AUTHORITY**

**DECEMBER 1, 2020**



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Website: [www.amafca.org](http://www.amafca.org)

Dec. 1, 2020

Curry Jones, MPH  
Chief, Water Resources Section (EN-WR)  
U.S. Environmental Protection Agency, Region 6  
1201 Elm Street, Suite 500  
Dallas, Texas 75270-2102

RE: NPDES MS4 Permit No. NMR04A000 FY 2020 MS4 Annual Report

Dear Mr. Jones:

Enclosed is an electronic copy of the certified December 1, 2020 FY 2020 MS4 Annual Report for the Albuquerque Metropolitan Arroyo Flood Control Authority (AMAFCA). This Annual Report highlights AMAFCA's MS4 programs related to the above referenced MS4 watershed based permit and AMAFCA's Stormwater Management Program (SWMP).

In FY 2020, as we informed you in a letter dated April 1, 2020, we have adjusted forward the SWMP draft submittal date to allow for an appropriate public/EPA Region 6 comment and review period to ensure AMAFCA's Annual Report covering a single fiscal year is consistent with only one version of an associated SWMP document.

Written notification was provided to EPA on Oct. 15, 2019 that AMAFCA will continue to operate and discharge into the Rio Grande under the coverage and conditions set forth in the administratively continued watershed based MS4 permit that expired on December 19, 2019.

The Stormwater Quality Program at AMAFCA in FY20 continued to serve the watershed in similar fashion to the last several years with respect to flood control and water quality. AMAFCA's program has grown to the point where permit compliance is accomplished, indirectly and directly, as part of a much larger protocol that defines our mission and values.

- In FY 2020, none of the 18 North Diversion Channel (NDC) qualifying rainfall events were found to be hypoxic or anoxic. The oxygen percent saturation, for all data collected for the NDC qualifying events, was greater than 54.3 percent.
- For AMAFCA's internal stormwater quality monitoring program, during the FY 2020 wet season (July 2019 - October 2019), stormwater samples from five (5) of the AMAFCA monitoring locations were screened for PCBs; all the PCB screening results were reported as Not Detected (ND). AMAFCA's stormwater monitoring program also collected four (4) stormwater samples in the FY 2020 dry season (November 2019 to June 2020) that were screened for PCBs and all four (4) sample results were reported as Not Detected (ND). The watershed screening utilized Method 608 with the understanding

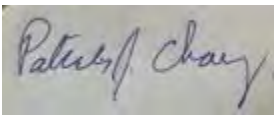


that if results are detected with the screening method, AMAFCA would then sample and test with Method 1668. The monitoring memos are available upon request.

- In December 2019, AMAFCA published the 2020 Project Schedule which covers a six-year planning horizon, 2020-2026. Coordination meetings with other watershed MS4s during the development of this Project Schedule and included the ranking of stormwater quality projects.
- In FY 2020, the AMAFCA sondes did not record any temperature exceedances of the 32.2-degrees C-water-quality-standard in the Rio Grande except at the US 550 at Bernalillo sonde; 20 temperature exceedances in August and September 2019 were reported that were not related to storm events. In-stream monitoring memos discuss this data further and are available upon request.
- AMAFCA participated in and contributed to the MRGSQT. The MRGSQT sponsored the Land and Water Summit, hosted by the Xeriscape Council of NM and Arid LID (Feb. 28-March 1, 2019) as well as a preconference GI/LID field trip. AMAFCA was involved with the planning committee for the Land and Water Summit for the 2020 event. In addition, AMAFCA was involved with the Arid LID Coalition which promotes the use of Low Impact Development & Green Infrastructure practices in arid environments. In FY 2020, AMAFCA was an attendee and presenter at the EPA Region 6 Stormwater Conference held in Denton, TX in August 2019.
- There were no wet weather compliance monitoring results required for FY 2020 & therefore no required NetDMRs to be certified.

If you have any questions, please contact me at (505) 844-2215.

Sincerely,  
AMAFCA

A handwritten signature in blue ink that reads "Patrick J. Chavez". The signature is written in a cursive, slightly slanted style.

Patrick J. Chavez, PE  
Storm Water Quality Engineer

NOI Section	ID	Permit Activity Description	Proposed Plan SWMP Rev. 4 - Dec. 1, 2019	Measurable Goals SWMP Rev. 4 - Dec. 1, 2019	Status of Implementation and Performance Assessment Permit Year July 2019 to June 2020 (FY 2020)
	3	<b>Part I.C - Special Conditions</b>			
	4	<b>Compliance with Water Quality Standards – General Requirements - Part I.C.1.a - c</b>			
Not Included in NOI	5	<u>Part I.C.1 - Compliance with Water Quality Standards</u> - Pursuant to Clean Water Act §402(p)(3)(B)(iii) and 40 CFR § 122.44(d)(1), this permit includes provisions to ensure that discharges from the permittee's MS4 do not cause or contribute to exceedances of applicable surface water quality standards, in addition to requirements to control discharges to the maximum extent practicable (MEP) set forth in Part I.D. Permittees shall address storm water management through development of the SWMP that shall include the following elements and specific requirements included in Part VI (sections below).	<u>Part I.C.1</u> - AMAFCA's proposed plan for compliance with related Permit activities are described in the applicable sections of the AMAFCA SWMP.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> • AMAFCA's measurable goals for compliance with related Permit activities are described in the applicable sections of the AMAFCA SWMP.	See specific Permit section and activity.
Not Included in NOI	6	<u>Part I.C.1.a</u> - Permittee's discharges shall not cause or contribute to an exceedance of surface water quality standards (including numeric and narrative water quality criteria) applicable to the receiving waters. In determining whether the SWMP is effective in meeting this requirement or if enhancements to the plan are needed, the permittee shall consider available monitoring data, visual assessment, and site inspection reports.	<u>Part I.C.1.a</u> - Compare monitoring data results to applicable surface water quality standards that occur in the following programs: Compliance with Water Quality Standards - Dissolved Oxygen Program, Compliance with Water Quality Standards - PCB Program, Compliance with Water Quality Standards - Temperature Program, Compliance with Water Quality Standards - Discharges to Impaired Waters with Approved TMDL Program, and the Wet Weather Monitoring Program. Refer to these sections for additional information.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> • Compare monitoring data results to applicable surface water quality standards that occur in the following programs: Compliance with Water Quality Standards - Dissolved Oxygen Program, Compliance with Water Quality Standards - PCB Program, Compliance with Water Quality Standards - Temperature Program, Compliance with Water Quality Standards - Discharges to Impaired Waters with Approved TMDL Program, and the Wet Weather Monitoring Program. • AMAFCA's measurable goals for compliance with related Permit activities are described in the applicable sections of the AMAFCA SWMP.	See specific Permit section and activity.
Not Included in NOI	7	<u>Part I.C.1.b</u> - Applicable surface water quality standards for discharges from the permittees' MS4 are those that are approved by EPA and any other subsequent modifications approved by EPA upon the effective date of this permit found at New Mexico Administrative Code §20.6.4. Discharges from various portions of the MS4 also flow downstream into waters with Pueblo of Isleta and Pueblo of Sandia Water Quality Standards.	<u>Part I.C.1.b</u> - Compare monitoring data results to the applicable New Mexico Administrative Code §20.6.4, Pueblo of Isleta Water Quality Standards (amended on 3/18/2002, effective 7/22/2005 per EPA website), and Pueblo of Sandia Water Quality Standards (effective 3/9/2010).  Compare monitoring data results to applicable surface water quality standards that occur in the following programs: Compliance with Water Quality Standards - Dissolved Oxygen Program, Compliance with Water Quality Standards - PCB Program, Compliance with Water Quality Standards - Temperature Program, Compliance with Water Quality Standards - Discharges to Impaired Waters with Approved TMDL Program, and the Wet Weather Monitoring Program. Refer to these sections for additional information.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> • Compare monitoring data results to applicable surface water quality standards that occur in the following programs: Compliance with Water Quality Standards - Dissolved Oxygen Program, Compliance with Water Quality Standards - PCB Program, Compliance with Water Quality Standards - Temperature Program, Compliance with Water Quality Standards - Discharges to Impaired Waters with Approved TMDL Program, and the Wet Weather Monitoring Program. • AMAFCA's measurable goals for compliance with related Permit activities are described in the applicable sections of the AMAFCA SWMP.	See specific Permit section and activity.

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Not Included in NOI	8	<p><u>Part I.C.1.c</u> - The permittee shall notify EPA and the Pueblo of Isleta in writing as soon as practical but not later than 30 calendar days following each Pueblo of Isleta water quality standard exceedance at an in-stream sampling location. In the event that EPA determines that a discharge from the MS4 causes or contributes to an exceedance of applicable surface water quality standards and notifies the permittee of such an exceedance, the permittee shall, within sixty (60) days of notification, submit to EPA, NMED, Pueblo of Isleta (upon request) and Pueblo of Sandia (upon request), a report that describes controls that are currently being implemented and additional controls that will be implemented to prevent pollutants sufficient to ensure that the discharge will no longer cause or contribute to an exceedance of applicable surface water quality standards. The permittee shall implement such additional controls upon notification by EPA and shall incorporate such measures into their SWMP as described in Part I.D of this permit. NMED or the affected Tribe may provide information documenting exceedances of applicable water quality standards caused or contributed to by the discharges authorized by this permit to EPA Region 6 and request EPA take action under this paragraph.</p>	<p>Part I.C.1.c - AMAFCA will notify EPA and the Pueblo of Isleta of any Pueblo of Isleta of water quality standard exceedances at an in-stream sampling location (within the Rio Grande). Notification will be in writing as soon as practical.</p> <p>Lab reports are typically received within 45 days of a sampling event. Preliminary review of the results typically requires 5 days. AMAFCA will include requirements to their contractors to review and report in-stream exceedances in a timely manner so that AMAFCA can better meet this requirement. AMAFCA will notify EPA and the Pueblo of Isleta within 30 days of the data review to determine a Pueblo of Isleta water quality standard exceedance at an in-stream (within the Rio Grande) sampling location. The Permit is unclear if this notification is required just for MS4 Permit compliance sampling, or if this includes results from other monitoring, such as Citizen Science projects. AMAFCA will provide this notification for in-stream samples that AMAFCA is involved with sampling, that result in a Pueblo of Isleta water quality standard exceedance.</p> <p>In addition, AMAFCA will continue to use sondes in the Rio Grande to monitor DO and temperature (refer to the Compliance with Water Quality Standards - Dissolved Oxygen (DO) Program). AMAFCA will continue to provide Isleta Pueblo with access to the real-time DO and temperature sonde data.</p>	<p><b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b></p> <ul style="list-style-type: none"> <li>• AMAFCA will notify EPA and the Pueblo of Isleta of any Pueblo of Isleta water quality standard exceedances at an in-stream sampling location (within the Rio Grande). Notification will be in writing as soon as practical.</li> <li>• AMAFCA will add the in-stream notification of Pueblo of Isleta water quality standard exceedance to monitoring reporting tasks with sub-consultants to ensure that results are reviewed and reported in a timely manner.</li> <li>• AMAFCA will continue to use sondes in the Rio Grande to monitor DO and temperature (refer to the Compliance with Water Quality Standards - Dissolved Oxygen Program). AMAFCA will continue to provide Isleta Pueblo with access to the real-time DO and temperature sonde data. Biennial written notification for any exceedances to DO and temperature will be sent to the Pueblo.</li> </ul>	Met FY 2020 Goals.

NOI Section	ID	Permit Activity Description	Proposed Plan SWMP Rev. 4 - Dec. 1, 2019	Measurable Goals SWMP Rev. 4 - Dec. 1, 2019	Status of Implementation and Performance Assessment Permit Year July 2019 to June 2020 (FY 2020)
	9	<b>Compliance with Water Quality Standards – Dissolved Oxygen &amp; Part I.C.1.d and Endangered Species Act (ESA) Requirements - Dissolved Oxygen Strategy -</b>			
Not Included in NOI	10	<p>According to the requirements in <u>Part I.C.1.d</u> and <u>Part I.C.3.a.(iii)</u>, the permittees shall revise the May 1, 2012 Strategy to continue taking measures to address concerns regarding discharges to the Rio Grande by implementing controls to eliminate conditions that cause or contribute to exceedances of applicable dissolved oxygen water quality standards in waters of the United States.</p> <p>The permittee shall, as part of this revised strategy, complete the following activities [activities are listed in sections below]. Activities listed are a combination of permit activities in Part I.C.1.d - Special Conditions, Compliance with Water Quality Standards, Phase I Dissolved Oxygen Program and Part I.C.3.a - Dissolved Oxygen Strategy in Receiving Waters of the Rio Grande.</p>	<p><u>Part I.C.1.d</u> and <u>Part I.C.3.a.(ii)</u>- The potential for low DO discharges to the Rio Grande at the NDC Embayment has been a concern which AMAFCA has been addressing, with the USFWS and EPA, since 2004. Several strategies, including various NDC Embayment modifications, have been implemented from 2011-2014. In 2015-2016, AMAFCA completed construction, after coordination with USFWS, of the NDC Outfall Grade Control Structures Modification Project and NDC Embayment Regrading Project.</p> <p>The NDC Embayment was filled in and regraded in 2015-2016, thereby removing the constant hydraulic connection between the Rio Grande and the NDC Bathtub/Outfall. In normal river flow conditions, water from the Rio Grande will not be able to stagnate in the Embayment and create low DO conditions. These improvement projects provide control measures to eliminate conditions that cause or contribute to exceedances of applicable DO water quality standards.</p> <p>These NDC projects and this Dissolved Oxygen Program Strategy were coordinated with the USFWS. AMAFCA received a Final BO from the USFWS and Draft Special Conditions from USACE allowing the NDC Embayment to be filled in and revegetated.</p>	<p><b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b></p> <ul style="list-style-type: none"> <li>• AMAFCA has completed the NDC Outfall Grade Control Structures Modification Project to fill in and revegetate the NDC Embayment and will continue following the terms of the Final BO from the USFWS and Final Special Conditions from USACE. This project is the revised strategy for the MS4 Permit elements related to DO.</li> <li>• A new vegetation assessment study will be conducted to determine the types of vegetation and optimal time for seeding. In FY 2018, AMAFCA worked with the USACE, and completed an assessment study. A revised monitoring plan, developed in consultation with the USACE, will be in place moving forward.</li> </ul>	<p><b>Met FY 2020 Goals.</b></p> <ul style="list-style-type: none"> <li>• In early 2020, AMAFCA and the USACE met to discuss the vegetation monitoring in this area. Using this latest information, a revised vegetation monitoring plan, in consultation with the USACE, will be developed in FY 2021; the COVID-19 pandemic in 2020 limited crew and consultant availability and delayed the development of the revised vegetation monitoring plan.</li> </ul>
Not Included in NOI	11	<p><u>Part I.C.1.d.(i)</u> and <u>Part I.C.3.a.(i)</u> - Identify (or continue identifying) structural elements, natural or man-made topographical and geographical formations, MS4 operations activities, or oxygen demanding pollutants contributing to reduced dissolved oxygen in the receiving waters of the Rio Grande. Both dry and wet weather discharges shall be addressed. Assessment may be made using available data or collecting additional data;</p>	<p><u>Part I.C.1.d.(i)</u> and <u>Part I.C.3.a.(i)</u>- The NDC Outfall/Embayment is the primary structural element identified by AMAFCA, City of Albuquerque, EPA, and USFWS as potentially contributing to low dissolved oxygen (DO) in the receiving waters of the Rio Grande. This Dissolved Oxygen Strategy is primarily focused on addressing this element.</p> <p>No other specific structural elements in the watershed have been identified as contributing to reduced DO in the receiving waters of the Rio Grande. Other stormwater outfalls, including the South Diversion Channel/Tijeras Arroyo, Calabacillas Arroyo, San Antonio Arroyo, will continue to be monitoring</p> <p>AMAFCA will continue to operate sondes in the Rio Grande deployed for monitoring DO and temperature. The sonde locations throughout the length of the Rio Grande through the UA will assist AMAFCA with bracketing segments of the Rio Grande to better understand elements that may be contributing to reduced DO in the receiving waters of the Rio Grande. In addition, all stormwater samples collected for the MS4 program (cooperative monitoring, AMAFCA monitoring, and Citizen Science monitoring), as feasible, also collect DO data. DO results from all monitoring efforts will assist AMAFCA and area MS4s in determining if there are other elements that may be contributing to reduced DO in the receiving waters of the Rio Grande. AMAFCA will update its SWMP if any other specific structural elements in the watershed are identified as contributing to reduced DO in the receiving waters of the Rio Grande.</p>	<p><b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b></p> <ul style="list-style-type: none"> <li>• AMAFCA will follow the monitoring measurable goals in Part I.C.1.d.(iii) below.</li> <li>• Related to identifying structural elements in the watershed that may be contributing to reduced DO, AMAFCA will continue to use sondes in the Rio Grande to monitor DO and temperature; the sonde data will provide valuable data related to potential DO - stormwater related connections.</li> <li>• Related to identifying structural elements in the watershed that may be contributing to reduced DO, AMAFCA will continue to collect and analyze DO data from stormwater samples collected for the MS4 program (cooperative monitoring, AMAFCA monitoring, and Citizen Science monitoring), as feasible.</li> </ul>	<p><b>Met FY 2020 Goals.</b></p>

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Not Included in NOI	12	<u>Part I.C.1.d.(ii)</u> - Continue implementing controls, and updating/revising as necessary, to eliminate structural elements or the discharge of pollutants at levels that cause or contribute to exceedances of applicable water quality standards for dissolved oxygen in waters of the United States;	<p><u>Part I.C.1.d.(ii)</u> - The primary controls for this DO Program are the NDC Outfall Grade Control Structures Modification Project and Embayment Grading Project. The water quality improvement goal for the NDC Outfall Grade Control Structures Modification Project is to improve maintenance operations, thereby improving efficiency of sediment, trash and debris removal due to better access and improved geometry. The NDC Embayment Regrading Project, as discussed above, removes the constant hydraulic connection between the Rio Grande and the NDC Bathtub/Outfall. These improvement projects provide control measures to eliminate conditions that cause or contribute to exceedances of applicable DO WQSS.</p> <p>In addition to the NDC Outfall and Embayment Projects, AMAFCA, along with other Middle Rio Grande MS4s, will continue to install stormwater quality structures within the watershed. AMAFCA plans, designs, and builds regional stormwater BMPs throughout the watershed to help eliminate the discharge of pollutants that cause or contribute to exceedances of applicable water quality standards for DO in waters of the Rio Grande.</p> <p>Pollutant source reduction strategies, such as public education and encouragement of GI/LID, are also part of the ongoing controls for this Program. AMAFCA actively participates in the MRGSQT, which organizes and leads public education, outreach, involvement, and participation activities which relate to this Program.</p>	<p><b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b></p> <ul style="list-style-type: none"> <li>• AMAFCA completed the NDC Outfall Grade Control Structures Modification Project in 2016 to fill in and revegetate the NDC Embayment following the terms of the Final BO from the USFWS and Final Special Conditions from USACE.</li> <li>• AMAFCA will continue to plan, design, and build structural BMPs (regional water quality structures) throughout the MRG watershed.</li> <li>• AMAFCA will continue to contribute and participate in the MRGSQT which provides public education, outreach, and participation opportunities related to stormwater impacts to water quality.</li> </ul>	Met FY 2020 Goals.



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Not Included in NOI	13	<p><u>Part I.C.1.d.(iii)</u> Continue sampling for DO and temperature in the North Diversion Channel (NDC) Embayment until the data indicate the discharge does not exceed applicable DO water quality standards in waters of the United States.</p> <p>This coincides with the requirements in <u>Part I.C.3.a.(ii).(a)</u>, the revised strategy shall include:</p> <p>A. A Monitoring Plan describing all procedures necessary to continue conducting continuous monitoring of DO and temperature in the NDC Embayment and at 1 location in the Rio Grande downstream of the mouth of the NDC within the action area (e.g., Central Bridge).</p> <p>B. A Quality Assurance and Quality Control (QA/QC) Plan describing all standard operating procedures, quality assurance and quality control plans, maintenance and implementation schedules that will assure timely and accurate collection and reporting of water temperature, DO, oxygen saturation, and flow. The QA/QC plan should include all procedures for estimating oxygen data when any oxygen monitoring equipment fail.</p>	<p><u>Part I.C.1.d.(iii)</u> - With the NDC Embayment filled in since 2016, AMAFCA cannot physically measure the DO in the Embayment. AMAFCA will provide continuous monitoring of DO and temperature (using sondes) in the Rio Grande at the most appropriate locations for the purpose of complying with the MS4 Permit requirements in Part I.C.1.d.(iii) and Part I.C.3.a.(ii).(a). The sonde locations throughout the stretch of the Rio Grande through the Urbanized Area (UA) will assist AMAFCA with bracketing segments of the Rio Grande to better understand locations of elements that may be contributing to reduced DO in the receiving waters of the Rio Grande.</p> <p>For compliance with this Permit Activity, AMAFCA will deploy sondes to provide continuous DO, oxygen saturation, and temperature monitoring; sondes are currently located at the following locations:</p> <ul style="list-style-type: none"> <li>- Rio Grande at US 550 Bridge in Bernalillo</li> <li>- Rio Grande at Sandia Pueblo Boundary (just above the confluence with the NDC outfall)</li> <li>- Rio Grande at Central Ave. Bridge</li> <li>- Rio Grande at the Isleta Dam</li> </ul> <p>Note - sonde locations may change based on the results and program needs as well as river stage.</p> <p><u>Part I.C.3.a.(ii).(a).A and B</u> - For the sonde monitoring, AMAFCA has standard operating procedures, quality assurance plans, maintenance, and implementation schedules in place.</p>	<p><b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b></p> <ul style="list-style-type: none"> <li>• For compliance with this Permit Activity, AMAFCA will deploy sondes in the most appropriate locations to provide continuous DO and temperature monitoring; sondes are currently located at the following locations: <ul style="list-style-type: none"> <li>- Rio Grande at US 550 Bridge in Bernalillo</li> <li>- Rio Grande at Sandia Pueblo Boundary (just upstream of the NDC outfall)</li> <li>- Rio Grande at Central Ave. Bridge</li> <li>- Rio Grande at the Isleta Dam</li> </ul> </li> <li>Note - sonde locations may change based on the results and program needs as well as river stage.</li> <li>• AMAFCA will continue following the standard operating procedures, quality assurance plans, maintenance, and implementation schedules that are in place for the sonde monitoring. AMAFCA will continue to pursue, as applicable, data collection improvements to this program.</li> <li>• AMAFCA will continue to provide Isleta Pueblo with access to the real-time DO and temperature sonde data.</li> </ul>	Met FY 2020 Goals.

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Not Included in NOI	14	<p><u>Part I.C.1.d.(iv)</u> Submit a revised strategy to FWS for consultation and EPA for approval within a year of the effective date of the permit and progress reports with the subsequent annual reports. Progress reports to include:</p> <p>(a) Summary of data.</p> <p>(b) Activities undertaken to identify MS4 discharge contribution to exceedances of applicable dissolved oxygen water quality standards in waters of the United States. Including summary of findings of the assessment required in Part I.C.1.d.(i).</p> <p>(c) Conclusions drawn, including support for any determinations.</p> <p>(d) Activities undertaken to eliminate MS4 discharge contribution to exceedances of applicable dissolved oxygen water quality standards in waters of the United States.</p> <p>(e) Account of stakeholder involvement.</p> <p><u>Part I.C.3.a.(i)</u> - The permittees shall submit a summary of findings and a summary of activities undertaken with each Annual Report. The SWMP submitted with the first and fourth annual reports must include a detailed description of controls implemented (or/and proposed control to be implemented) along with corresponding measurable goals. (Applicable to all permittees).</p>	<p><u>Part I.C.1.d.(iv)</u> - AMAFCA completed the NDC project in 2016 to fill in and revegetate the NDC Embayment following the terms of the Final BO from the USFWS and Final Special Conditions from USACE. USFWS was consulted during this project and made aware of the revised strategy. The AMAFCA MS4 Annual Report and supporting documentation will be considered as the Progress Report. A separate progress report will not be submitted to EPA and USFWS. The MS4 Annual Report will include the Annual Incidental Take Report as an Attachment to the Annual Report.</p> <p><u>Part I.C.3.a.(i)</u> - The Annual Report will include a summary of activities undertaken to identify elements contributing to reduced dissolved oxygen in the receiving waters of the Rio Grande and changes or improvements to the Strategy for implementation of controls to eliminate exceedances of applicable water quality standards for dissolved oxygen in waters of the United States.</p>	<p><b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b></p> <ul style="list-style-type: none"> <li>• AMAFCA completed the NDC Outfall Grade Control Structures Modification Project to fill in and revegetate the NDC Embayment following the terms of the Final BO from the USFWS and Final Special Conditions from USACE.</li> <li>• Vegetation assessments in this area will continue to be conducted following the current monitoring plan, developed in consultation with the USACE.</li> <li>• AMAFCA will complete the Incidental Take Report and follow the Incidental Take Reporting requirements and data submittal requirements.</li> <li>• AMAFCA will include a summary of activities in each Annual Report, to serve as a progress report for this Permit element.</li> </ul>	<p><b>Met FY 2020 Goals.</b></p> <ul style="list-style-type: none"> <li>• Refer to ID #10 above for information related to vegetation monitoring in this area.</li> </ul>
Not Included in NOI	15	<p>According to the requirements in <u>Part I.C.3.a.(ii)</u>, the permittees shall ensure that actions to reduce pollutants or remedial activities selected for the NDC Embayment and its watershed are implemented such that there is a reduction in frequency and magnitude of all low oxygen stormwater discharge events that occur in the Embayment or downstream in the MRG as indicated in Table 1.c. Actions to meet the year 3 measurable goals must be taken within 2 years from the effective date of the permit. Actions to meet the year 5 measurable goals must be taken within 4 years from the effective date of the permit.</p>	<p><u>Part I.C.3.a.(ii)</u> - The result of removing the NDC Embayment and hydraulically disconnecting the NDC stormwater flows from the Rio Grande will minimize low DO conditions at this location. The Embayment has had historical issues with stagnate ponded water creating low DO conditions. The monitoring activities described above will be used to assess that the Embayment project functions as planned and that low DO conditions are reduced in both frequency and magnitude. Table 1.c (p. 21 of Part I of Permit) lists the goal for the maximum number of events that are anoxic (conditions considered lethal to RGSM) and hypoxic (low oxygen conditions considered harassing to RGSM). The table provided in the MS4 Permit in Appendix G determines if events are anoxic or hypoxic. The second column is the hypoxia or harassment column - which is associated with 54.3 percent or less oxygen saturation. The third column is the anoxic or lethality column, which is associated with 8.7 percent or less oxygen saturation. Knowing the water temperature, the oxygen saturation, and the atmospheric pressure, the table in Appendix G allows the user to find a DO concentration. This DO can be compared to the measured DO to determine if an anoxic or hypoxic event has occurred.</p>	<p><b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b></p> <ul style="list-style-type: none"> <li>• AMAFCA will compare the DO monitoring results for "qualifying events" as defined by USFWS with the MS4 Permit measurable goals for anoxic and hypoxia levels listed in Table 1.c, using the table in Appendix G in the MS4 Permit to determine if an anoxic or hypoxic event has occurred.</li> <li>• AMAFCA will utilize Levellogger data to better define volumetric runoff events that discharge to the Rio Grande.</li> <li>• The strategy will be revised, as needed, and actions taken to attempt to meet the Permit measurable goals.</li> </ul>	<p><b>Met FY 2020 Goals.</b></p>

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Not Included in NOI	16	According to the requirements in <u>Part I.C.3.a.(ii).(b)</u> , the permittees (COA and AMAFCA) shall provide: A. An Annual Incidental Take Report to EPA and the Service that includes the following information: beginning and end date of any qualifying stormwater events, DO values and water temperature in the NDC Embayment, DO values and water temperature at a downstream monitoring station in the MRG, flow rate in the NDC, mean daily flow rate in the MRG, evaluation of oxygen and temperature data as either anoxic or hypoxic using Table 2 of the BO, and estimate the number of silvery minnows taken based on Appendix A of the BO. Electronic copy of The Annual Incidental Take Report should be provided with the annual report required under Part III.B no later than December 1 for the proceeding calendar year.	<u>Part I.C.3.a.(ii).(b).A</u> - AMAFCA will take the lead on completing the Incidental Take Report, which estimates the potential RGSM take using the method defined by USFWS for the BO (MRG Watershed Permit BO dated August 21, 2014 - Cons. #22420-2011-F-0024-R001). Using the BO procedure, AMAFCA will determine or measure, as technically feasible, the necessary data elements required for calculation of the predicted incidental takes during qualifying storm events. The definition of a qualifying storm event (for this Permit Activity) may be reassessed as the Levellogger data is analyzed for NDC Outfall and Embayment area. This activity may require additional follow-up with the EPA and the USFWS. The Annual Incidental Take Report will be provided with each Annual Report.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> • AMAFCA will determine and/or measure, as technically feasible, the necessary data elements required for calculation of the predicted incidental takes during qualifying storm events. • AMAFCA will complete the Annual Incidental Take Report according to the BO requirements, as understood by AMAFCA, (MRG Watershed Permit BO dated August 21, 2014 - Cons. #22420-2011-F-0024-R001). • AMAFCA will provide EPA and USFWS with a copy of the Annual Incidental Take Report with each Annual Report submitted no later than December 1st for the preceding calendar year, as required under Part III.B.	<b>Met FY 2020 Goals.</b> • The Annual Incidental Take Report has been completed and is available upon request.
Not Included in NOI	17	According to the requirements in <u>Part I.C.3.a.(ii).(b)</u> , the permittees (COA and AMAFCA) shall provide: B. A summary of data and findings with each annual report to EPA and the FWS. All data collected (including provisional oxygen and water temperature data, and associated metadata), transferred, stored, summarized, and evaluated shall be included in the annual report. If additional data is requested by EPA or the FWS, COA and AMAFCA shall provide such information within two weeks upon request. The revised strategy required under Part I.C.3.a.(ii), the Annual Incidental Take Reports required under Part I.C.3.a.(ii).(b).A, and annual reports required under Part III.B can be submitted to FWS via e-mail nmesfo@fws.gov and Joel.lusk@fws.gov, or by mail to the New Mexico Ecological Services field office, 2105 Osuna Road NE, Albuquerque, New Mexico 87113.	<u>Part I.C.3.a.(ii).(b).B</u> - AMAFCA will provide EPA and USFWS with this section of the Annual Report which will include: • A summary of data and findings related to DO; • All data collected (including provisional oxygen and water temperature data, and associated metadata), summarized, and evaluated; • If additional data is requested by EPA or the USFWS, AMAFCA will provide requested information within two (2) weeks upon request; • The revised strategy required under Part I.C.3.a.(ii); and • The Annual Incidental Take Report required under Part I.C.3.a.(ii).(b).A.  AMAFCA will assess the DO on the same time frame as the MS4 Permit requires for the Annual Report – July 1 to June 30. Each Annual Report will be submitted no later than December 1 for the preceding calendar year, as required under Part III.B.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> • AMAFCA will provide EPA and USFWS the required data and information with each Annual Report submittal, required under Part III.B, no later than December 1 for the proceeding calendar year.	<b>Met FY 2020 Goal.</b>

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	18	<b>Compliance with Water Quality Standards – PCBs - Part I.C.1.e</b>			
Not Included in NOI	19	According to the requirements in <u>Part I.C.1.e</u> , the permittee shall address concerns regarding PCBs in channel drainage areas specified in <u>Part I.C.1.e.(vi)</u> by developing or continue updating/revising and implementing a strategy to identify and eliminate controllable sources of PCBs that cause or contribute to exceedances of applicable water quality standards in waters of the United States. COA and AMAFCA shall submit a progress report with the first and with the subsequent annual reports.	<u>Part I.C.1.e</u> - The results from the 2012-2014 monitoring of the NDC watershed indicated the presence of PCBs at the Grantline and N. Camino Inlets. Based on the data, MS4 partners concluded that there are no “hot spots” in the municipal area that are continuing to produce PCBs with the possible exception of the Grantline and N. Camino watersheds. In 2014-2017, AMAFCA continued activities to identify and eliminate controllable sources of PCBs specific to these two channels. A water quality consultant was tasked with reviewing and assessing all past PCB data for the NDC, identifying commercial and industrial properties that may have contributed PCBs to the North Camino and the Grantline Channel, researching past PCB releases from PNM in these areas, and providing additional PCB monitoring activity recommendations. In addition, a Field Sampling Plan (FSP), Sampling Analysis Plan (SAP), and a Quality Assurance Project Plan (QAPP) for soil and sediment sampling were developed. Sediment sampling and analysis for PCBs in the North Camino and the Grantline Channel were provided to NMED for consultation and direction. Based on the data collection and analysis results from the last five (5) years, AMAFCA has met its goals and objectives related to the PCB investigation and no further PCB sampling by AMAFCA is anticipated. If future PCB sampling is needed, AMAFCA will utilize the developed FSP, SAP, and QAPP and coordinate with EPA, NMED, and other MS4s, as applicable.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> <ul style="list-style-type: none"> <li>During 2015-2017, AMAFCA has continued to focus on the Grantline and N. Camino basins, within the NDC watershed, to identify and eliminate controllable sources of PCBs in these two basins. Results from this continued study have been provided to NMED for consultation and direction.</li> <li>Based on the data collection and analysis results from the last five (5) years, AMAFCA has met its goals and objectives related to the PCB investigation and no further PCB sampling by AMAFCA is anticipated. If future PCB sampling is needed, AMAFCA will utilize the developed FSP, SAP, and QAPP and coordinate with EPA, NMED, and other MS4s, as applicable.</li> </ul>	<b>Met FY 2020 Goals.</b>
Not Included in NOI	20	<u>Part I.C.1.e</u> - The progress reports shall include: (i) Summary of data. (ii) Findings regarding controllable sources of PCBs in the channel drainages area specified in <u>Part I.C.1.e.(vi)</u> that cause or contribute to exceedances of applicable water quality standards in waters of the US via the discharge of municipal stormwater. (iii) Conclusions drawn, including supporting information for any determinations. (iv) Activities undertaken to eliminate controllable sources of PCBs in the drainage areas specified in <u>Part I.C.1.e</u> . (v) that cause or contribute to exceedances of applicable water quality standards in waters of the US via the discharge of municipal stormwater including proposed activities that extend beyond the 5 year permit term. (v) Account of stakeholder involvement in the process. (vi) Channel Drainage Areas: The PCB strategy required in <u>Part I.C.1.e</u> is only applicable to: COA and AMAFCA Areas: San Jose Drain and North Diversion Channel. Bernalillo County Areas: Adobe Acres Drain, Alameda Outfall Channel, Paseo del Norte Outfall Channel, and Sanchez Farm Drainage Area.	<u>Part I.C.1.e</u> - Based on ownership responsibilities, COA will continue to take the lead regarding follow-up PCB permit activities on the SJD, and AMAFCA will continue to take the lead on follow-up PCB permit activities on the NDC. Bernalillo County will take the lead on Adobe Acres Drain, Alameda Outfall Channel, Paseo del Norte Outfall Channel, and Sanchez Farm Drainage Area, as assigned in the MS4 Permit. Based on the data collection and analysis results from the last five (5) years, AMAFCA has met its goals and objectives related to the PCB investigation and no further PCB sampling by AMAFCA is anticipated. Results from this continued study have been provided to NMED for consultation and direction. If future PCB sampling is needed, AMAFCA will utilize the developed FSP, SAP, and QAPP and coordinate with EPA, NMED, and other MS4s, as applicable.  AMAFCA will continue internal watershed stormwater quality monitoring, which typically collects samples that are screened for PCBs at eight (8) locations. Collection of these samples are weather and equipment dependent. No additional Compliance Monitoring Cooperative (CMC) monitoring would be required until a new MS4 Permit is issued. However, the CMC members will evaluate and may choose to continue sampling to support their MS4 program needs, demonstrate program progress, or gather additional data in support of the future Permit compliance. CMC monitoring would include collecting samples, and screening for PCBs, at two (2) locations within the Rio Grande - one upstream of the MS4 and one downstream of the MS4. This program uses Method 1668 for testing PCBs. AMAFCA will provide the monitoring results obtained from the internal watershed and any continued CMC stormwater quality monitoring with each applicable MS4 Annual Report in the Wet Weather Monitoring Program section of the Annual Report.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> <ul style="list-style-type: none"> <li>Based on the data collection and analysis results from the last five (5) years, AMAFCA has met its goals and objectives related to the PCB investigation and no further PCB sampling by AMAFCA is anticipated. If future PCB sampling is needed, AMAFCA will utilize the developed FSP, SAP, and QAPP and coordinate with EPA, NMED, and other MS4s, as applicable.</li> <li>Results from any continued study will be provided to NMED with each Annual Report for consultation and direction. Moving forward, the Annual Report will serve as the progress report for the PCB findings.</li> <li>AMAFCA will continue its internal stormwater quality monitoring program, which includes collecting samples, and screening for PCBs, at eight (8) locations. The monitoring program typically includes collecting one stormwater sample per season (wet and dry), weather and equipment permitting, and screening for PCBs. This program uses screening Method 608 and follow-up sampling with Method 1668 if PCBs are detected.</li> <li>AMAFCA may also continue its Compliance Monitoring Cooperative (CMC) monitoring program, which includes collecting samples, and screening for PCBs, at two (2) locations within the Rio Grande - one upstream of the MS4 and one downstream of the MS4. This program uses Method 1668 for testing PCBs.</li> </ul>	<b>Met FY 2020 Goals.</b> <ul style="list-style-type: none"> <li>For AMAFCA's internal stormwater quality monitoring program, during the FY 2020 wet season (July 2019 - October 2019), stormwater samples from five (5) of the AMAFCA monitoring locations were screened for PCBs; all the PCB screening results were reported as Not Detected (ND). AMAFCA's stormwater monitoring program also collected four (4) stormwater samples in the FY 2020 dry season (November 2019 to June 2020) that were screened for PCBs and all four (4) sample results were reported as Not Detected (ND). The watershed screening utilized Method 608 with the understanding that if results are detected with the screening method, AMAFCA would then sample and test with Method 1668. The monitoring memos are available upon request.</li> </ul>


NOI Section	ID	Permit Activity Description	Proposed Plan SWMP Rev. 4 - Dec. 1, 2019	Measurable Goals SWMP Rev. 4 - Dec. 1, 2019	Status of Implementation and Performance Assessment Permit Year July 2019 to June 2020 (FY 2020)
Not Included in NOI	21	<p><u>Part I.C.1.e.(vi)</u> - A cooperative strategy to address PCBs in the COA, AMAFCA and Bernalillo County's drainage areas may be developed between Bernalillo County, AMAFCA, and COA. If a cooperative strategy is developed, the cooperative strategy shall be submitted to EPA within three (3) years from the effective date of the permit and submit a progress report with the fourth and with subsequent annual reports,</p> <p>Note: COA and AMAFCA must continue implementing the existing PCB strategy until a new Cooperative PCB Strategy is submitted to EPA.</p>	<p><u>Part I.C.1.e.(vi)</u> - A cooperative strategy will be discussed with COA, AMAFCA, and Bernalillo County through the cooperative MS4 Technical Advisory Group (MS4 TAG). If a cooperative strategy is agreed to, work will begin to develop an agreement and develop a cooperative strategy to submit to EPA.</p>	<p><b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b></p> <ul style="list-style-type: none"> <li>• AMAFCA will discuss the cooperative strategy option with COA and Bernalillo County through the cooperative MS4 TAG.</li> </ul>	Met FY 2020 Goal.



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	22	<b>Compliance with Water Quality Standards – Temperature - Part I.C.1.f</b>			
Not Included in NOI	23	According to the requirements in <u>Part I.C.1.f</u> , the permittees must continue assessing the potential effect of stormwater discharges in the Rio Grande by collecting and evaluating additional data. If the data indicates there is a potential of stormwater discharges contributing to exceedances of applicable temperature water quality standards in waters of the United States, within 30 days such as findings, the permittees must develop and implement a strategy to eliminate conditions that cause or contribute to these exceedances. If the data indicates there is a potential of stormwater discharges contributing to exceedances of applicable temperature water quality standards in waters of Rio Grande, within 30 days such as findings, the permittees must develop and implement a strategy to eliminate conditions that cause or contribute to these exceedances.	<u>Part I.C.1.f</u> - AMAFCA and the original MS4 co-permittees (COA, NMDOT, and UNM) under MS4 Permit No. NMS000101 do not believe that stormwater discharges adversely affect temperature in the Rio Grande. In order to prove this assertion, temperature data from 1982 to 2012 was assembled and analyzed. This data analysis proved the assertion that the receiving waters of the Rio Grande are not adversely affected by the temperature of stormwater from the Albuquerque MS4. This data was presented in an initial report that was submitted to EPA on May 1, 2012. However, to meet the MS4 Permit requirements, AMAFCA continued assessing the potential effect of stormwater discharges in the Rio Grande by collecting and evaluating additional temperature data. From 2012 to 2017, temperature monitoring never showed a temperature exceedance at any of the monitoring locations in the watershed or in the river.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> • AMAFCA's measurable goals for compliance with the Permit activities are described in the sections below.	See specific Permit activity below.
Not Included in NOI	24	The strategy must include: <u>Part I.C.1.f.(i)</u> - Identify structural controls, post construction design standards, or pollutants contributing to raised temperatures in the receiving waters of the Rio Grande. Both dry and wet weather discharges shall be addressed. Assessment may be made using available data or collecting additional data; <u>Part I.C.1.f.(ii)</u> - Develop and implement controls to eliminate structural controls, post construction design standards, or the discharge of pollutants at levels that cause or contribute to exceedances of applicable water quality standards for temperature in waters of the United States; and	<u>Part I.C.1.f.(i)</u> - AMAFCA has data supporting the fact that stormwater discharges do not adversely affect temperature in the Rio Grande. Assessment continues using temperature data collected in the Rio Grande using sondes (sondes are part of the Dissolved Oxygen - Compliance with Water Quality Standards and Endangered Species Act MS4 Permit program requirements). In addition, some USGS gaging has temperature data. The four (4) sondes in the Rio Grande have real-time telemetry capabilities. The sonde locations throughout the length of the Rio Grande through the UA will assist AMAFCA with bracketing segments of the Rio Grande to better understand elements that may be contributing to high temperatures in the receiving waters of the Rio Grande.  <u>Part I.C.1.f.(ii)</u> - If the temperature data trends begins to indicate that stormwater discharges are adversely affecting temperature in the Rio Grande, AMAFCA will develop a strategy to understand the causes and contributions. If this occurs, AMAFCA will work with COA in developing this strategy as it relates to the watershed. It is anticipated that development of controls will be a part of the strategy. The 30 day timeline in the MS4 Permit is not long enough to develop and implement a watershed wide strategy; AMAFCA and COA will work with EPA, as needed, to develop a reasonable time frame.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> • Temperature data will continue to be collected in the Rio Grande using sondes and USGS gaging data, as needed. The sonde data will be summarized in each MS4 Annual Report.	<b>Met FY 2020 Goal.</b> • In FY 2020, the sondes did not record any temperature exceedances of the 32.2 °C water quality standard in the Rio Grande except at the US 550 at Bernalillo sonde; 20 temperature exceedances in August and September 2019 were reported that were not related to storm events. In-stream monitoring memos discuss this data further and are available upon request.

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Not Included in NOI	25	<p><u>Part I.C.1.f.(iii)</u> - Provide a progress report with the first and with subsequent Annual Reports. The progress reports shall include:</p> <p>(a) Summary of data.</p> <p>(b) Activities undertaken to identify MS4 discharge contribution to exceedances of applicable temperature water quality standards in waters of the United States.</p> <p>(c) Conclusions drawn, including supporting information for any determinations.</p> <p>(d) Activities undertaken to reduce MS4 discharge contribution to exceedances of applicable temperature water quality standards in waters of the United States.</p> <p>(e) Accounting of stakeholder involvement.</p>	<p><u>Part I.C.1.f.(iii)</u> - The Annual Report and supporting documents will serve as the progress report to EPA regarding temperature impacts from stormwater to the Rio Grande that include adherence to schedule, activities undertaken, monitoring results, and conclusions drawn.</p> <p>AMAFCA has provided data from 1982 to 2017 showing that the Rio Grande is not adversely affected by the temperature of stormwater from the Albuquerque MS4. The temperature monitoring results do not show a temperature exceedance at any of the monitoring locations in the watershed or in the river.</p>	<p><b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b></p> <ul style="list-style-type: none"> <li>The Annual Report will serve as the progress report to EPA for the MS4 Temperature Program. Data, activities, and conclusions regarding temperature impacts from stormwater to the Rio Grande will be summarized in the Annual Report and supporting data.</li> </ul>	<p><b>Met FY 2020 Goal.</b></p> <ul style="list-style-type: none"> <li>This Annual Report serves as a progress report to EPA. Temperature data collected in the Rio Grande during FY 2020 continues to show that temperature exceedances in the Rio Grande due to stormwater from the contributing Albuquerque watershed are not occurring. AMAFCA, through its Annual Reports and associated communication with EPA, has provided data from 1982 to 2020 showing that the Rio Grande is not adversely affected by the temperature of stormwater from the Albuquerque MS4.</li> </ul>

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	26	<b>Discharges to Impaired Waters With Approved TMDLs - Part I.C.2.b.(i) and TABLE 1.a - TMDL Bacteria Program- Part I.C.2.b.(iii)</b>			
Not Included in NOI	27	<p>According to the requirements in <u>Part I.C.2.b.(i)</u>, if the permittee discharges to an impaired water body with an approved TMDL (see MS4 Permit, Appendix B), where stormwater has the potential to cause or contribute to the impairment, the permittee shall include in the SWMP controls targeting the pollutant(s) of concern along with any additional or modified controls required in the TMDL and this section. As stated in the Permit, Appendix B, a bacteria TMDL for the Middle Rio Grande was approved by the New Mexico Water Quality Control Commission on April 13, 2010, and by EPA on June 30, 2010. The new TMDL modifies: 1) the indicator parameter for bacteria from fecal coliform to E. coli, and 2) the way the WLAs are assigned</p> <p>The SWMP and required Annual Reports must include information on implementing any focused controls required to reduce the pollutant(s) of concern as described below:</p>	<p><u>Part I.C.2.b.(i)</u> - A bacteria TMDL for the Middle Rio Grande was approved by the New Mexico Water Quality Control Commission on April 13, 2010, and by EPA on June 30, 2010. AMAFCA's proposed plans for compliance with the Permit activities are described in the sections below.</p>	<p><b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> AMAFCA's measurable goals for compliance with the Permit activities are described in the sections below.</p>	See specific Permit activity below.
Not Included in NOI	28	<p><u>Part I.C.2.b.(i).(a)</u>, Targeted Controls: The SWMP submitted with the first Annual Report must include a detailed description of all targeted controls to be implemented, such as identifying areas of focused effort or implementing additional BMPs that will be implemented to reduce the pollutant(s) of concern in the impaired waters. and</p> <p><u>Part I.C.2.b.(i).(b)</u>, Measurable Goals: For each targeted control, the SWMP must include a measurable goal and an implementation schedule describing BMPs to be implemented during each year of the permit term. Where the impairment is for bacteria, the permittee must, at minimum comply with the activities and schedules described in Table 1.a of Part I.C.2.b.(iii).</p> <p>As required in <u>Part I.C.2.b.(i).(e)</u>, the permittee shall include focused BMPs addressing the five areas below:</p> <p><b>A. Sanitary Sewer Systems</b> - improve sanitary sewers; fix lift stations; identify and implement O&amp;M procedures; improve violation reporting; and prevent overflows;</p> <p><b>B. On-site Sewage Facilities</b> - address failing systems and inadequate maintenance of On-Site Sewage Facilities;</p>	<p><u>Part I.C.2.b.(i).(a), (b), &amp; (e)</u> -AMAFCA's proposed plan for targeted controls and measurable goals (see column to right) for bacteria include:</p> <p><b>A. Sanitary Sewer Systems - Targeted Controls:</b> There are no sanitary sewer systems owned or operated by AMAFCA within AMAFCA owned property. Related to the Illicit Discharges and Improper Disposal Control Measure, AMAFCA will receive monthly DMRs of sanitary sewer overflows (SSO) from ABCWUA. These will be evaluated to ensure that the SSOs did not impact AMAFCA facilities. Also, AMAFCA will continue to investigate and document all applicable illicit discharge complaints received through the 311 call in program, as well as other complaints received directly by AMAFCA staff through e-mail, phone, or observation.</p> <p><b>B. On-site Sewage Facilities - Targeted Controls:</b> There are no on-site sewage facilities owned or operated by AMAFCA within AMAFCA-owned property.</p>	<p><b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> <b>A. Sanitary Sewer Systems - Measurable Goals:</b></p> <ul style="list-style-type: none"> <li>• There are no sanitary sewer systems owned or operated by AMAFCA within AMAFCA-owned property.</li> <li>• Through the IDDE Program, AMAFCA will continue coordination with ABCWUA, who will inform AMAFCA of any SSOs that potentially impact AMAFCA facilities. AMAFCA will receive monthly DMRs of SSOs from ABCWUA. These will be evaluated to ensure that the SSOs did not impact AMAFCA facilities. AMAFCA will continue to add these to GIS to improve tracking of the SSOs.</li> <li>• AMAFCA will continue to investigate and document all applicable illicit discharge complaints received through the 311 call in program, as well as other complaints received directly by AMAFCA staff through e-mail, phone, or observation. Refer to the Illicit Discharge Control Measure section.</li> </ul> <p><b>B. On-site Sewage Facilities - Measurable Goals:</b></p> <ul style="list-style-type: none"> <li>• Not applicable to AMAFCA</li> </ul>	Met FY 2020 Goals.

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Not Included in NOI	29	Continuation of five areas in Part I.C.2.b.(i).(e) - <u>C. Illicit Discharges and Dumping</u> - effort to reduce waste sources of bacteria; for ex., septic systems, grease traps, and grit traps; <u>D. Animal Sources</u> - management programs to identify and target sources such as zoos, pet waste, and horse stables; <u>E. Residential Education</u> - bacteria from residential sites; fats, oils, and grease (FOG) clogging sanitary sewer lines and resulting overflows; decorative ponds; and pet waste.	<u>Part I.C.2.b.(i).(a), (b), &amp; (e)</u> - Continuation - AMAFCA's proposed plan for targeted controls and measurable goals (see column to right) for bacteria include: <u>C. Illicit Discharges and Dumping - Targeted Controls:</u> AMAFCA has a robust IDDE Program. In the IDDE program, AMAFCA has focused on homeless camp cleanup and other efforts that target sources of bacteria. In addition, AMAFCA has manual and mechanical trash contracts to address IDDE cleanup. Refer to the Illicit Discharges and Improper Disposal Control Measure for additional information. <u>D. Animal Sources - Targeted Controls:</u> AMAFCA will continue its focus on reducing pet waste through its Mutt Mitt Stations Program and its involvement with the MRGSQT educational outreach "Scoop the Poop" and/or "There is No Poop Fairy" campaigns. <u>E. Residential Education - Targeted Controls:</u> AMAFCA will address this area through Public Education and Outreach and Public Involvement and Participation Control Measures through its involvement with the MRGSQT.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> <u>C. Illicit Discharges and Dumping - Measurable Goals:</u> • AMAFCA will address the Illicit Discharge and Dumping through its IDDE Program; refer to the Illicit Discharges and Improper Disposal Control Measure for additional information. This IDDE program includes illicit discharge monitoring by AMAFCA staff and crew, weekly discussion at staff meetings, tracking and documentation procedures, use of the 311 hotline, and contracts to address IDDE cleanup. <u>D. Animal Sources - Measurable Goals:</u> • AMAFCA will continue to provide Mutt Mitt Stations in an effort to reduce pet waste reaching stormwater. • AMAFCA will continue to contribute and participate in the MRGSQT. Through the MRGSQT, pet waste will be targeted through the "Scoop the Poop" and/or "There is No Poop Fairy" campaigns and other programs. <u>E. Residential Education - Measurable Goals:</u> • AMAFCA will include the MRGSQT Outcomes Report in each Annual Report which will summarize the activities or planned activities related to targeting pet waste sources, FOG, and other residential education targeting bacteria sources.	<b>Met FY 2020 Goals.</b> <u>D. Animal Sources:</u> • AMAFCA's Stormwater Quality Engineer & Drainage Engineer dressed as the "Poop Fairy" in the annual NM State Fair Parade, to promote the "Scoop the Poop" outreach campaign. 
	30	<u>Part I.C.2.b.(i).(c).B</u> - Identification of Measurable Goal: The SWMP must identify a measurable goal for the pollutant(s) of concern. The value of the measurable goal must be based on one of the following options in the Permit - AMAFCA is using Option B: B. Alternatively, if multiple permittees are discharging into the same impaired water body with an approved TMDL (which has an aggregate WLA for all permitted stormwater MS4s), the MS4s may combine or share efforts, in consultation with/and the approval of NMED, to determine an alternative sub-measurable goal derived from the WLA for the pollutant(s) of concern (e.g., bacteria) for their respective MS4. The SWMP must clearly define this alternative approach and must describe how the sub-measurable goals would cumulatively support the aggregate WLA. Where an aggregate WLA measurable goal has been broken into sub-measurable goals for individual MS4s, each permittee is only responsible for progress in meeting its WLA sub-measurable goal.	<u>Part I.C.2.b.(i).(c).B</u> - AMAFCA identified in its NOI that it was seeking, as part of a group of MS4s, an alternative sub-measurable goal for TMDL control under this part of the Permit. NMED and EPA were informed of this decision and NMED has worked with the CMC to help establish the cooperative waste load allocation (WLA) values and methodology for calculating E. coli loading. AMAFCA will continue following the established methodology for applying this to the CMC monitoring results.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> • AMAFCA, as part of the CMC, will use the analytical results obtained in the Rio Grande during the CMC sampling and calculate an E. coli loading to compare with the waste load allocation allotted for the cooperative portion for the two defined stream assessment units of the Rio Grande (Isleta to Alameda and Alameda to Angostura). These calculations will be reported in each Annual Report as an Attachment in the Wet Weather Monitoring section of the Annual Report as part of the CMC monitoring memos.	<b>Met FY 2020 Goal.</b> • The required CMC sampling for the MS4 Permit term in the Rio Grande (2016 to 2019) was completed in FY 2019. The MRG Watershed Based MS4 Permit entered into administrative continuance in Dec. 2019 when EPA Region 6 did not issue a new MS4 Permit before the current MS4 Permit expiration date. The MRG TAG sent EPA an Administrative Continuance letter dated October 15, 2019. Until a new MS4 Permit is issued, there are not compliance monitoring requirements in the Rio Grande. There were no CMC monitoring results required or obtained in FY 2020. Therefore, there were no E. coli loading calculations completed in FY 2020. If the CMC does continue wet weather compliance monitoring during administrative continuance of this MS4 Permit, AMAFCA will summarize, as applicable, any wet weather monitoring activity, results, and E. coli loading calculations in future Annual Reports.

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Not Included in NOI	31	<p>According to the requirements in <u>Part I.C.2.b.(i).(f)</u>, the permittee shall monitor or assess progress in achieving measurable goals and determining the effectiveness of BMPs, and shall include documentation of this monitoring or assessment in the SWMP and Annual Reports. In addition, the SWMP must include methods to be used. This program element may be coordinated with the monitoring required in Part III.A. The permittee may use the following methods either individually or in conjunction to evaluate progress towards the measurable goal and improvements in water quality as follows:</p> <p>A. Evaluating Program Implementation Measures or B. Assessing Improvements in Water Quality</p> <p>Progress towards achieving the measurable goal shall be reported in the Annual Report. Annual reports shall report the measurable goal and the year(s) during the permit term that the MS4 conducted additional sampling or other assessment activities.</p>	<p><u>Part I.C.2.b.(i).(f)</u> - AMAFCA will assess and evaluate the program and progress in achieving the targeted controls and measurable goals listed above by tracking the number of educational outreach opportunities conducted and tracking the number of people reached through the educational outreach program. The Annual Report and supporting documents will serve as the progress report for this program.</p> <p>AMAFCA is part of the Compliance Monitoring Cooperative (CMC) group, established in 2016, with 12 watershed partners cooperating for the Wet Weather Monitoring Program requirements. In addition, AMAFCA will monitor and test for E. coli at its facilities within the watershed. This internal monitoring program sampling will be done in accordance with Part III.A of the MS4 Permit and will assist with a water quality assessment of the overall watershed related to E. coli.</p>	<p><b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b></p> <ul style="list-style-type: none"> <li>• AMAFCA will include the MRGSQT Outcomes Report in each Annual Report which will track the number of educational outreach opportunities conducted and list the number of people reached through the educational outreach program.</li> <li>• AMAFCA will conduct stormwater monitoring in accordance with the Wet Weather Monitoring Program, Part III.A.1 as part of the CMC. The goals and plan for this program are described in the Wet Weather Monitoring Program portion of this SWMP.</li> </ul>	Met FY 2020 Goals.



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AMAFCA FY 2020 MS4 Annual Report

Status of Implementation  
and Performance Assessment

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Not Included in NOI	32	<u>Part I.C.2.b.(i).(g)</u> - If, by the end of the 3rd year from the effective date of the permit, the permittee observes no progress toward the measurable goal either from program implementation or water quality assessments, the permittee shall identify alternative focused BMPs that address new or increased efforts towards the measurable goal. As appropriate, the MS4 may develop a new approach to identify the most significant sources of the pollutant(s) of concern and shall develop alternative focused BMPs (this may also include information that identifies issues beyond the MS4's control). These revised BMPs must be included in the SWMP and subsequent Annual Reports. Where the permittee originally used a measurable goal based on an aggregated WLA, the permittee may combine or share efforts with other MS4s discharging to the same impaired stream segment to determine an alternative sub-measurable goal for the pollutant(s) of concern for their respective MS4s, as described in <u>Part I.C.2.b.(i).(c).B</u> above. Permittees must document the proposed schedule for the development and subsequent adoption of alternative measurable goals for the pollutant(s) of concern for their respective MS4s and associated assessment of progress in meeting those individual goals.	<u>Part I.C.2.b.(i).(g)</u> - AMAFCA, in cooperation with the TAG, MRGSQT, and CMC has observed progress towards E. coli controls and measurable goals, as demonstrated by the fact that the impairment for E. coli has been removed from NMED's 2016-2018 State of New Mexico Clean Water Act Section 303(d)/Section 305(b) Integrated Report for 3 of the 4 assessment segments along the river within the Middle Rio Grande corridor; only the assessment unit from Isleta Pueblo Boundary to Tijeras Arroyo currently has an E. coli impairment. In 2016, the E. coli impairment was removed from approximately 62 miles, or 85%, of the Rio Grande Albuquerque reach. Impairment removal was due in part to the extensive MS4 efforts related to public education, outreach, involvement, and participation focused on pet waste disposal, septic systems, storm drain inlet labeling, and general community awareness of stormwater impacts on the Rio Grande.  AMAFCA will annually assess and evaluate the program and progress in achieving the measurable goals listed in the sections above. In addition to the measurable goals listed above, Microbial Source Tracking (MST) studies may be a tool used for the assessment and evaluation of the program. AMAFCA will also continue to participate in regional water quality studies and plans, as opportunities become available, to continue to look for collaborative opportunities to improve this program.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> • AMAFCA will continue to annually assess and evaluate the program and progress in achieving the measurable goals listed above. In addition to the measurable goals listed above, Microbial Source Tracking (MST) studies may be a tool used for the assessment and evaluation of the program. • AMAFCA will continue to participate in regional water quality studies and plans, as opportunities become available.	<b>Met FY 2020 Goals.</b> • In FY 2020, the COA completed sample collection and analysis for a Microbial Source Tracking (MST) study. In addition, Bernalillo County & USGS, with support from AMAFCA, began an MST Monitoring study in the Rio Grande in the South Valley. AMAFCA also continued to have available an on-call contract for MST sampling. • AMAFCA has continued the discussion of the possibility of a High Flow Suspension for Recreational uses of river water.
Not Included in NOI	33	<u>Part I.C.2.b.(iii) - Table 1.a</u> , Identify potential significant sources of the pollutant of concern entering your MS4.	<u>Part I.C.2.b.(iii) - Table 1.a</u> - In 2014-2015, AMAFCA contracted with a consultant to restudy the bacteria within the Middle Rio Grande, specifically to evaluate the bacteria data over the recent history to report the trend analysis and the impact to the Rio Grande. The report for this study, Middle Rio Grande Rio Grande E. coli Analysis and Research report for AMAFCA by water quality on-call engineer (CDM Smith), is available from AMAFCA upon request. An updated bacterial source tracking study is being assessed with COA and will be considered during this Permit term.  AMAFCA, through the MRGSQT, has contracted with BEMP to study E. coli at various locations along the Rio Grande during dry weather in an effort to identify potential sources of E. coli.  For determining the source (area) of E. coli, AMAFCA will continue its internal watershed stormwater quality monitoring. Collection of these samples are weather and equipment dependent.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> • AMAFCA, with its co-permittees from the 2012 MS4 Phase I Permit, have completed several studies related to identifying potential significant sources of the pollutant of concern entering the MRG Watershed MS4 area. The results of these studies will be used to guide the overall program plan and goals. An updated bacterial source tracking study is being assessed with COA and will be considered during this Permit term. • AMAFCA, with the MRGSQT, has contracted with BEMP to study E. coli at various locations along the Rio Grande during dry weather in an effort to identify potential sources of E. coli. • For determining the source (area) of E. coli, AMAFCA will continue its internal watershed stormwater quality monitoring. AMAFCA will provide applicable monitoring memos for the internal watershed stormwater quality monitoring with each Annual Report in the Wet Weather Monitoring section.	<b>Met FY 2020 Goals.</b>

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Not Included in NOI	34	From <u>Part I.C.2.b.(iii) - Table 1.a</u> , Develop (or modify an existing program- for prior permittees under NMS000101) and implement a public education program to reduce the discharge of bacteria in municipal stormwater contributed by (if applicable) by pets, recreational and exhibition livestock, and zoos.	<u>Part I.C.2.b.(iii) - Table 1.a</u> - As stated above, AMAFCA will continue its focus on reducing pet waste through providing Mutt Mitt Stations and through continued involvement with the MRGSQT educational outreach "Scoop the Poop" campaign.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> <ul style="list-style-type: none"> <li>• AMAFCA will continue to provide Mutt Mitt Stations.</li> <li>• AMAFCA will contribute and participate in the MRGSQT.</li> <li>• AMAFCA will include the MRGSQT Outcomes Report in each Annual Report which will summarize the activities or planned activities related to targeting pet waste sources and residential education targeting bacteria sources.</li> </ul>	Met FY 2020 Goals.
Not Included in NOI	35	From <u>Part I.C.2.b.(iii) - Table 1.a</u> , Develop (or modify an existing program- for prior permittees under NMS000101) and implement a program to reduce the discharge of bacteria in municipal stormwater contributed by areas within your MS4 served by on-site wastewater treatment systems.	<u>Part I.C.2.b.(iii) - Table 1.a</u> - As stated above, this is not applicable to AMAFCA. Through the IDDE Program, AMAFCA will continue coordination with ABCWUA, who will inform AMAFCA of any sanitary sewer overflows that impact AMAFCA facilities.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> <ul style="list-style-type: none"> <li>• As stated above, this is not applicable to AMAFCA. Through the IDDE Program, AMAFCA will continue coordination with ABCWUA, who will inform AMAFCA of any sanitary sewer overflows that impact AMAFCA facilities.</li> </ul>	Met FY 2020 Goal.
Not Included in NOI	36	From <u>Part I.C.2.b.(iii) - Table 1.a</u> , Review results to date from the Illicit Discharge Detection and Elimination program (see Part I.D.5.e) and modify as necessary to prioritize the detection and elimination of discharges contributing bacteria to the MS4.	<u>Part I.C.2.b.(iii) - Table 1.a</u> - AMAFCA will incorporate this Permit requirement into the IDDE program, refer to the SWMP - Table 6: Illicit Discharges and Improper Disposal - for additional information.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> <ul style="list-style-type: none"> <li>• AMAFCA will address this Permit activity in the IDDE Program, refer to the SWMP - Table 6: Illicit Discharges and Improper Disposal - for additional information.</li> </ul>	Met FY 2020 Goal.
Not Included in NOI	37	<u>Part I.C.2.b.(iii) - Table 1.a</u> - Develop (or modify an existing program- for prior permittees under NMS000101) and implement a program to reduce the discharge of bacteria in municipal stormwater contributed by other significant source identified in the Illicit Discharge Detection and Elimination program (see Part I.D.5.e).	<u>Part I.C.2.b.(iii) - Table 1.a</u> - This requirement will be addressed in conjunction with AMAFCA's IDDE Program, refer to the SWMP Table 6: Illicit Discharges and Improper Disposal, for additional information. AMAFCA will review its IDDE Program results annually and identify illicit discharges (specific as well as general types of discharges and/or locations of discharges) that contributed bacteria to the MS4. Strategies will be developed to address these specific or general IDDEs. Development and implementation of strategies will depend on the IDDE program results.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> <ul style="list-style-type: none"> <li>• AMAFCA will review its IDDE Program results annually and identify illicit discharges that contributed bacteria to the MS4.</li> <li>• AMAFCA will develop strategies to address IDDEs found to contribute bacteria. The development and implementation of strategies will depend on the results. These strategies will be reported in subsequent Annual Reports.</li> </ul>	Met FY 2020 Goals.

NOI Section	ID	Permit Activity Description	Proposed Plan SWMP Rev. 4 - Dec. 1, 2019	Measurable Goals SWMP Rev. 4 - Dec. 1, 2019	Status of Implementation and Performance Assessment Permit Year July 2019 to June 2020 (FY 2020)
Not Included in NOI	38	Include in the Annual Reports progress on program implementation and reducing the bacteria and updates their measurable goals as necessary. As required in <u>Part I.C.2.b.(i),(d)</u> , the Annual Report must include an analysis of how the selected BMPs have been effective in contributing to achieving the measurable goal and shall include graphic representation of pollutant trends, along with computations of annual percent reductions achieved from the baseline loads and comparisons with the target loads.	<u>Part I.C.2.b.(i),(d)</u> - AMAFCA will include the MRGSQT Outcomes Report in each Annual Report which will track the number of educational outreach opportunities conducted, list the number of people reached through the educational outreach program, and summarize the activities or planned activities related to targeting pet waste sources as well as residential education targeting bacteria sources. In addition, if strategies are developed to address IDDEs found to contribute bacteria to the MS4, these will be reported in subsequent Annual Reports. AMAFCA will report annually on compliance monitoring to monitor and test for E. coli. This reporting will be done in accordance with Part III.A (Wet Weather Monitoring Program) of the MS4 Permit and will help with a water quality assessment of the overall watershed related to E. coli. Graphical representation of E. coli trends will also be completed and reported annually.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> • AMAFCA will include the MRGSQT Outcomes Report in each Annual Report. • Strategies developed to address IDDEs found to contribute bacteria to the MS4 will be reported in subsequent Annual Reports. • AMAFCA will report annually on compliance monitoring to monitor and test for E. coli. This reporting will be done in accordance with Part III.A (Wet Weather Monitoring Program) of the MS4 Permit. • AMAFCA will include a graphical representation of E. coli trends in each Annual Report.	Met FY 2020 Goals.

NOI Section	ID	Permit Activity Description	Proposed Plan SWMP Rev. 4 - Dec. 1, 2019	Measurable Goals SWMP Rev. 4 - Dec. 1, 2019	Status of Implementation and Performance Assessment Permit Year July 2019 to June 2020 (FY 2020)
	39	<b>Discharges to Impaired Waters Without Approved TMDLs - Part I.C.2.b.(ii)</b>			
Not Included in NOI	40	According to the requirements in <u>Part I.C.2.b.(ii)</u> , if the permittee discharges directly into an impaired water body without an approved TMDL, the permittee shall perform the following activities (described in sections below).	<p><u>Part I.C.2.b.(ii)</u> - The Rio Grande impairments are listed on the EPA Annual Report Summary Form, pages 1-2.</p> <p>The Tijeras Arroyo upstream of the Four Hills Bridge is impaired for nutrient/eutrophication. The Tijeras Arroyo upstream of the Four Hills Bridge is all privately owned land. AMAFCA's operation and maintenance authority and access to the Tijeras Arroyo terminate at the Four Hills Bridge. Therefore, there are no requirements in this SWMP to comply with the activities and schedules related to Impairment for Nutrients in Table 1.b in <u>Part I.C.2.b.(iii)</u>. AMAFCA does monitor for nutrients through its Wet Weather Monitoring Program, see Table 10 of the SWMP.</p>	<p><b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b></p> <ul style="list-style-type: none"> <li>• Impairment for Dissolved Oxygen is addressed in the Endangered Species Act (ESA) section - Part I.C.3. The SWMP section for Part I.C.3 describes the proposed plan and measurable goals.</li> <li>• Impairment for PCBs is addressed in Compliance with Water Quality Standards - PCBs - Part I.C.1.e. The SWMP section for Part I.C.1.e describes the proposed plan and measurable goals.</li> <li>• Impairment for Temperature is addressed in Compliance with Water Quality Standards - Temperature - Part I.C.1.f. The SWMP section for Part I.C.1.f describes the proposed plan and measurable goals.</li> <li>• Compliance monitoring (Part III.A) includes Gross Alpha testing. Future assessment related to the impairment will be based on results of those samples.</li> </ul>	Met FY 2020 Goals.
Not Included in NOI	41	<p><u>Part I.C.2.b.(ii).(a)</u> - The permittee shall:</p> <p>A. Determine whether the MS4 may be a source of the pollutant(s) of concern by referring to the CWA §303(d) list and then determining if discharges from the MS4 would be likely to contain the pollutant(s) of concern at levels of concern. The evaluation of CWA §303(d) list parameters should be carried out based on an analysis of existing data (e.g., IDDE Program) conducted within the permittee's jurisdiction.</p> <p>B. Ensure that the SWMP includes focused BMPs, and corresponding measurable goals, that the permittee will implement, to reduce, the discharge of pollutant(s) of concern that contribute to the impairment of the water body. Only applicable if the permittee determines that the MS4 may discharge the pollutant(s) of concern to an impaired water body without a TMDL. The SWMP submitted with the first Annual Report must include a detailed description of proposed controls to be implemented along with measurable goals.</p> <p>C. Amend the SWMP to include any BMPs to address the pollutant(s) of concern.</p>	<p><u>Part I.C.2.b.(ii).(a)</u> - Most of the impaired pollutants of concern are specifically addressed in other sections of the MS4 Program and therefore in other sections of the SWMP. Please refer to: Dissolved Oxygen and Endangered Species Act (ESA) section - Part I.C.3; PCBs are addressed in Compliance with Water Quality Standards - PCBs - Part I.C.1.e; and Temperature is addressed in Compliance with Water Quality Standards - Temperature - Part I.C.1.f.</p> <p>Compliance monitoring (Part III.A) includes Gross Alpha testing. The testing will allow AMAFCA to determine background level relative to stormwater discharges. Future assessment related to this impairment will be based on results of those samples.</p>	<p><b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b></p> <ul style="list-style-type: none"> <li>• Refer to other SWMP sections for: <ul style="list-style-type: none"> <li>- Dissolved Oxygen is addressed in the Endangered Species Act (ESA) section - Part I.C.3.</li> <li>- PCBs are addressed in Compliance with Water Quality Standards - PCBs - Part I.C.1.e.</li> <li>- Temperature is addressed in Compliance with Water Quality Standards - Temperature - Part I.C.1.f.</li> </ul> </li> <li>• Compliance monitoring (Part III.A) includes Gross Alpha testing. Future assessment and strategies related to these impairments will be based on results of the stormwater samples.</li> </ul>	Met FY 2020 Goals.

NOI Section	ID	Permit Activity Description	Proposed Plan SWMP Rev. 4 - Dec. 1, 2019	Measurable Goals SWMP Rev. 4 - Dec. 1, 2019	Status of Implementation and Performance Assessment Permit Year July 2019 to June 2020 (FY 2020)
	42	<b>Endangered Species Act (ESA) Requirements - Sediment Pollutant Load Reduction Strategy - Part I.C.3.b</b>			
Not Included in NOI	43	According to the requirements in <u>Part I.C.3.b</u> , the permittee must develop, implement, and evaluate a sediment pollutant load reduction strategy to assess and reduce pollutant loads associated with sediment (e.g., metals, etc. adsorbed to or traveling with sediment, as opposed to clean sediment) into the receiving waters of the Rio Grande. The strategy must include the following elements (see sections below):	<u>Part I.C.3.b</u> - AMAFCA's proposed plan for compliance with the Permit activities are described in the sections below.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> AMAFCA's measurable goals for compliance with the Permit activities are described in the sections below.	See specific Permit activity below.
Not Included in NOI	44	<u>Part I.C.3.b.(i)</u> - Sediment Assessment: The permittee must identify and investigate areas within its jurisdiction that may be contributing excessive levels (e.g., levels that may contribute to exceedance of applicable Water Quality Standards) of pollutants in sediments to the receiving waters of the Rio Grande as a result of stormwater discharges. The permittee must identify structural elements, natural or man-made topo-graphical and geographical formations, MS4 operations activities, and areas indicated as potential sources of sediments and pollutants in the receiving waters of the Rio Grande. At the time of assessment, the permittee shall record any observed erosion of soil or sediment along ephemeral channels, arroyos, or stream banks, noting the scouring or sedimentation in streams. The assessment should be made using available data from federal, state, or local studies supplemented as necessary with collection of additional data. The permittee must describe, in the first Annual Report, all standard operating procedures, quality assurance plans to assure that accurate data are collected, summarized, evaluated and reported.	<u>Part I.C.3.b.(i)</u> - All AMAFCA projects are regional flood control or water quality projects. Stormwater runoff from other MS4s enter AMAFCA facilities, which function as regional flood control facilities and also function as BMPs to capture sediment from stormwater before the stormwater continues to the Rio Grande. In the MRG MS4, AMAFCA is not adversely contributing to the sediment pollutant load, but rather functioning to capture the sediment pollutant load generated throughout the watershed by MS4s contributing runoff to AMAFCA facilities. A large portion of AMAFCA's routine activities include sediment removal from its facilities. AMAFCA has implemented a crew tracking system to measure the sediment removal quantities at all of its facilities. The data collected will be used by AMAFCA for the required MS4 Sediment Assessment. As part of AMAFCA's regular O&M activities, AMAFCA will continue the sediment assessment phase by tracking and estimating the volume of sediment removed from their stormwater facilities annually. The tracking of this data will continue and will be valuable to AMAFCA as it applies to this program and to future planning activities. Related data will be reported in each Annual Report.  In addition, AMAFCA will continue a rainfall and runoff monitoring program to quantitatively relate sediment removal to rainfall quantity, location, and runoff volume. AMAFCA has standard operating procedures (SOPs) related to operation and maintenance and a scheduling spreadsheet for inspections. These SOPs and procedures ensure that AMAFCA has accurate data related to sediment removal activities.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> • AMAFCA's facilities function as BMPs for sediment removal. AMAFCA's O&M activities, which include sediment removal, will be scheduled, tracked, and evaluated for the Sediment Assessment requirement for this Permit activity. • AMAFCA will continue using a crew tracking system to measure the sediment removal quantities at all of its facilities and use this information for the Sediment Assessment. AMAFCA will continue to utilize GIS to view this information to better understand the watershed. • AMAFCA will continue with a rainfall and runoff monitoring program to continue to quantitatively relate sediment removal to rainfall quantity, location, and runoff volume.	<b>Met FY 2020 Goals.</b>



NOI Section	ID	Permit Activity Description	Proposed Plan SWMP Rev. 4 - Dec. 1, 2019	Measurable Goals SWMP Rev. 4 - Dec. 1, 2019	Status of Implementation and Performance Assessment Permit Year July 2019 to June 2020 (FY 2020)
Not Included in NOI	45	<u>Part I.C.3.b.(ii)</u> - Estimate Baseline Loading: Based on the results of the sediment pollutants assessment required in Part I.C.3.b.(i) above, the permittee must provide estimates of baseline total sediment loading and relative potential for contamination of those sediments by urban activities for drainage areas, sub-watersheds, Impervious Areas (IAs), and/or Directly Connected Impervious Area (DCIAs) draining directly to a surface waterbody or other feature used to convey waters of the United States. Sediment loads may be provided for targeted areas in the entire Middle Rio Grande Watershed using an individual or cooperative approach. Any data available and/or preliminary numeric modeling results may be used in estimating loads.	<u>Part I.C.3.b.(ii)</u> - In 2016, the COA, with cooperation from AMAFCA and area MS4s, completed an initial sediment assessment, "City of Albuquerque 2016 Sediment Assessment". This initial study assisted in establishing the baseline for the sediment assessment. In FY 2019, AMAFCA cooperated with Bernalillo County, who led the effort for the watershed to complete the estimated baseline sediment loading evaluation. Sediment loads are provided for targeted areas in the entire Middle Rio Grande Watershed using a cooperative approach. The "Progress Evaluation Report for the Sediment Pollutant Load Reduction Strategy" report, June 25, 2019 summarizes the sediment loading evaluation at five main outfalls into the Rio Grande. The data AMAFCA collected in the Sediment Assessment was used for estimating baseline sediment loading to its facilities. AMAFCA will review the "Progress Evaluation Report for the Sediment Pollutant Load Reduction Strategy" report and discuss the findings with the watershed MS4s. The results of this study will be used to guide the overall program plans and goals.  Rainfall events and generated runoff are related to loading (sediment transport). AMAFCA has developed and began implementation of a rainfall and runoff monitoring program to begin to quantitatively tie sediment quantities reaching AMAFCA facilities (sediment removal volumes) to rainfall quantity, location, and runoff volumes.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> • AMAFCA will review the "Progress Evaluation Report for the Sediment Pollutant Load Reduction Strategy" report and discuss the findings with the watershed MS4s. The results of this study will be used to guide the overall program plans and goals. Updates to the Sediment Pollutant Load Reduction Strategy will be implemented, as applicable. AMAFCA will summarize any progress or updates to the Sediment Pollutant Load Reduction Strategy in each Annual Report. • AMAFCA will continue with the development and implementation of a rainfall and runoff monitoring program to begin to quantitatively tie sediment removal to rainfall quantity, location, and runoff volume.	Met FY 2020 Goals.
Not Included in NOI	46	<u>Part I.C.3.b.(iii)</u> - Targeted Controls: Include a detailed description of all proposed targeted controls and BMPs that will be implemented to reduce sediment pollutant loads, calculated in Part I.C.3.b.(ii) above, during the next ten (10) years of permit issuance. For each targeted control, the permittee must include interim measurable goals (e.g., interim sediment pollutant load reductions) and an implementation and maintenance schedule, including interim milestones, for each control measure, and as appropriate, the months and years in which the MS4 will undertake the required actions. Any data available and/or preliminary numeric modeling results may be used in establishing the targeted controls, BMPs, and interim measurable goals. The permittee must prioritize pollutant load reduction efforts and target areas (e. g. drainage areas, sub watersheds, IAs, DCIAs) that generate the highest annual average pollutant loads.	<u>Part I.C.3.b.(iii)</u> - AMAFCA facilities function as regional flood control facilities as well as BMPs to remove sediment from stormwater before the stormwater reaches the Rio Grande. In the MRG MS4, AMAFCA is not adversely contributing to the sediment pollutant load, but rather functioning to capture the sediment pollutant load generated throughout the watershed by MS4s contributing runoff to AMAFCA facilities. As such, AMAFCA does not want to reduce the sediment loads but rather implement targeted controls to increase the capture of sediment in its facilities.  The completed analysis of the Sediment Assessment and Estimated Baseline Loading will be used by AMAFCA to improve their program to target and prioritize sediment removal throughout the watershed. AMAFCA will continue to estimate the annual volume of sediment removed from each control facility. The AMAFCA operations and maintenance crew and subcontractors track the volume of floatables, sediment, trash, and debris removed from AMAFCA facilities on a daily basis. This tracking procedure includes the location of removal by facility and watershed. AMAFCA will continue to utilize the updated, cooperative waste characterization study, updating the "AMAFCA/Albuquerque MS4 Floatable and Gross Pollutant Study" conducted in 2005, to assist with determining needed controls and BMPs that may be implemented to reduce sediment pollutant loads. AMAFCA will continue analyzing, planning, and constructing needed sediment control BMPs. The AMAFCA Project Schedule process will be utilized for identifying, ranking, and planning area BMPs. AMAFCA's Mutt Mitt stations program will continue as a targeted BMP to reduce pollutants (specifically E. coli) present in sediment within the MS4.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> • AMAFCA will review the "Progress Evaluation Report for the Sediment Pollutant Load Reduction Strategy" report and discuss the findings with the watershed MS4s. The results of this study will be used to guide the overall program plans and goals. Updates to the Sediment Pollutant Load Reduction Strategy will be implemented, as applicable. AMAFCA will summarize any progress or updates to this Strategy in each Annual Report. • AMAFCA will continue to estimate the annual volume of sediment removed from each control facility. The AMAFCA operations and maintenance crew and subcontractors track the volume of floatables, sediment, trash, and debris removed from AMAFCA facilities on a daily basis. This tracking procedure includes the location of removal by facility and watershed. • AMAFCA will continue utilizing the updated, cooperative waste characterization study in the watershed to assist with determining needed controls and BMPs that may be implemented to reduce sediment pollutant loads. • AMAFCA will continue analyzing, planning, and constructing needed sediment control BMPs. The AMAFCA Project Schedule process will be utilized for identifying, ranking, and planning area BMPs. • AMAFCA will continue its Mutt Mitt program focusing on reducing pollutants (specifically E. coli) present in sediment within the MS4.	No Goals Required for FY 2020.

NPDES Permit No. NMR04A000  
AMAFCA FY 2020 MS4 Annual Report

Status of Implementation  
and Performance Assessment

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Not Included in NOI	47	<u>Part I.C.3.b.(iv)</u> - Monitoring and Interim Reporting: The permittee shall monitor or assess progress in achieving interim measurable goals and determining the effectiveness of BMPs, and shall include documentation of this monitoring or assessment in the SWMP and Annual Reports. In addition, the SWMP must include methods to be used. This program element may be coordinated with the monitoring required in Part III.A.	<u>Part I.C.3.b.(iv)</u> - AMAFCA will annually assess progress for this program. AMAFCA will monitor the volume of sediment captured by each of its facilities by measuring the volume of sediment removed from each facility. Documentation of this monitoring will be done using the tracking spreadsheet and procedure, which will be summarized in each Annual Report. In addition, as mentioned above, AMAFCA will use of the "Progress Evaluation Report for the Sediment Pollutant Load Reduction Strategy" report to guide the overall program plans and goals. Related monitoring also occurs through the Levelogger program, monitoring rainfall events and generated runoff. Monitoring and assessment will be considered during the development of future program plans and goals.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> • Each Annual Report will serve as a progress update for this program. • Documentation of volume of sediment removed will continue to be done using the crew tracking spreadsheet and procedure, which will be summarized in each Annual Report. • Levelogger data collection and analysis will continue and will be summarized in each Annual Report.	<b>Met FY 2020 Goals.</b> • In FY 2020, AMAFCA continued the crew tracking system and database for sediment assessment and estimating baseline loading. In FY 2020, through March 2020, 71,400 CY of sediment was removed from AMAFCA facilities. Crew tracking was interrupted in March 2020 due to the COVID-19 pandemic; AMAFCA is assessing how to continue the crew tracking system in FY 2021.
Not Included in NOI	48	<u>Part I.C.3.b.(v)</u> - Progress Evaluation and Reporting: The permittee must assess the overall success of the Sediment Pollutant Load Reduction Strategy and document both direct and indirect measurements of program effectiveness in a Progress Report to be submitted with the fifth Annual Report. Data must be analyzed, interpreted, and reported so that results can be applied to such purposes as documenting effectiveness of the BMPs and compliance with the ESA requirements specified in Part I.C.3.b. The Progress Report must include: (a) A list of species likely to be within the action area; (b) Type and number of structural BMPs installed; (c) Evaluation of pollutant source reduction effects; (d) Any recommendation based on program evaluation; (e) Description of how the interim sediment load reduction goals established in Part I.C.3.b.(iii) were achieved; and (f) Future planning activities needed to achieve increase of sediment load reduction required in Part I.C.3.d.(iii).	<u>Part I.C.3.b.(v)</u> - AMAFCA facilities function as regional flood control facilities as well as BMPs to remove sediment from stormwater before the stormwater reaches the Rio Grande. In the MRG MS4 area, AMAFCA is not adversely contributing to the sediment pollutant load, but rather functioning to capture the sediment pollutant load generated throughout the watershed by MS4s contributing runoff to AMAFCA facilities. AMAFCA's goal is to implement targeted controls to increase the capture of sediment in its facilities rather than reducing sediment loads. AMAFCA worked cooperatively with Bernalillo County, City of Albuquerque, and SSCAFCA to complete this MS4 Permit requirement. The Progress Report on the Sediment Pollutant Load Reduction Strategy. This Progress report meets the MS4 Permit requirements, including:  (a) A list of species likely to be within the action area; (b) Type and number of structural BMPs installed; (c) Evaluation of pollutant source reduction effects; (d) Any recommendation based on program evaluation; (e) Description of how the interim sediment load reduction goals established in Part I.C.3.b.(iii) were achieved; and (f) Future planning activities needed to achieve increase of sediment load reduction required in Part I.C.3.d.(iii).  Related to the elements required by this Progress report, AMAFCA will continue to 1) provide a cumulative list of AMAFCA's retrofit BMPs in the Post-Construction section of each Annual Report. and 2) utilize the AMAFCA Project Schedule process for identifying, ranking, and planning area BMPs to meet recommendations from this program evaluation.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> • AMAFCA has completed this report and provided this to EPA with this Annual Report, due December 1, 2019, a Progress Report on the Sediment Pollutant Load Reduction Strategy. AMAFCA cooperated with Bernalillo County, who led the effort for the watershed to complete the estimated baseline sediment loading. The City of Albuquerque and SSCAFCA also cooperated on this watershed wide strategy. Moving forward, future activities (planned, as well as implemented) determined to be needed to achieve improved sediment load reduction will be summarized in the Annual Reports. • Related to requirement (c), AMAFCA will continue to provide a cumulative list of AMAFCA's retrofit BMPs in the Post-Construction section of each Annual Report. • Related to requirement (d), AMAFCA will continue utilizing the AMAFCA Project Schedule process for identifying, ranking, and planning area BMPs to meet recommendations from this program evaluation.	<b>Met FY 2020 Goals.</b> • A cumulative list of AMAFCA's retrofit BMPs is available in ID # 80 of this Annual Report in the Post-Construction Stormwater Management in New Development and Redevelopment section.
Not Included in NOI	49	<u>Part I.C.3.b.(vi)</u> - Critical Habitat: Verify that the installation of stormwater BMPs will not occur in or adversely affect currently listed endangered or threatened species critical habitat by reviewing the activities and locations of stormwater BMP installation within the location of critical habitat of currently listed endangered or threatened species at the FWS website <a href="http://criticalhabitat.fws.gov/crithab/">http://criticalhabitat.fws.gov/crithab/</a> .	<u>Part I.C.3.b.(vi)</u> - AMAFCA considers critical habitat for all of its projects, working closely with the USFWS and USACE, as required, and will continue this practice related to any BMPs installed related to sediment capture and removal.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> • AMAFCA will continue its practice of coordination with the USFWS and USACE, as required, related to AMAFCA's facility construction projects.	<b>Met FY 2020 Goal.</b>

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	50	<b>Part I.D.5 - Stormwater Management Plan (SWMP) Control Measures</b>			
	51	<b>TABLE 2: Construction Site Stormwater Runoff Control - Part I.D.5.a</b>			
See NOI Sections Below	52	<u>Part I.D.5.a.(i)</u> The permittee shall develop, revise, implement, and enforce a program to reduce pollutants in any stormwater runoff to the MS4 from construction activities that result in a land disturbance of greater than or equal to one acre. Reduction of stormwater discharges from construction activity disturbing less than one acre must be included in the program if that construction activity is part of a larger common plan of development or sale that would disturb one acre or more. Permittees previously covered under permit NMS000101 or NMR040000 must continue existing programs, updating as necessary, to comply with the requirements of this permit. (Note: Highway Departments and Flood Control Authorities may only apply the construction site stormwater management program to the permittee's own construction projects).	<u>Part I.D.5.a.(i)</u> - AMAFCA does not have jurisdiction over COA or Bernalillo County departments responsible for planning, review, permitting, or approval of public and private construction activities. However, AMAFCA does have jurisdiction over AMAFCA construction projects. Therefore, AMAFCA's Construction Site Stormwater Runoff Control Program addresses stormwater management during construction of AMAFCA projects that result in a land disturbance of greater than or equal to one acre, specifically when the construction contract is under AMAFCA. Coordination will continue to occur between AMAFCA's Stormwater Quality Engineer, Project Manager, Development Review Engineer, Drainage Engineer, Field Engineer, and Executive Engineer to ensure that the Program controls erosion and maintains sediment on site.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> <ul style="list-style-type: none"> <li>• Coordinate the Construction Site Stormwater Runoff Control Program requirements (as detailed in the Program and in sections below) with AMAFCA's Stormwater Quality Engineer, Project Manager, Development Review Engineer, Drainage Engineer, Field Engineer, and Executive Engineer to ensure that the Program controls erosion and maintains sediment on site for qualifying AMAFCA construction projects, as required under the Construction General Permit (CGP).</li> </ul>	<b>Met FY 2020 Goal.</b>
1.1	53	Development of an ordinance or other regulatory mechanism as required in <u>Part I.D.5.a.(ii)(a)</u> .	<u>Part I.D.5.a.(ii)(a)</u> - To the extent permitted by law, AMAFCA will comply with the requirements of this section. As applicable, AMAFCA will begin inserting MS4 Permit elements into construction contracts to provide AMAFCA with an enforceable contract mechanism. AMAFCA will also continue to work with the cooperative MS4 Technical Advisory Group (TAG) and other agencies to discuss and help develop regulatory mechanisms. Except for special circumstances, AMAFCA's regular maintenance activities do not disturb more than 5 acres at a time.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> <ul style="list-style-type: none"> <li>• AMAFCA will begin inserting MS4 Permit elements into construction contracts to provide AMAFCA with an improved enforceable contract mechanism.</li> <li>• AMAFCA will continue to work with the MS4 TAG and other agencies to discuss and help develop regulatory mechanisms.</li> <li>• Except for special circumstances, AMAFCA's regular maintenance activities will not disturb more than 5 acres at a time.</li> </ul>	<b>Met FY 2020 Goals.</b>

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1.2	54	<p>Develop requirements and procedures as required in Part I.D.5.a.(ii)(b) through Part I.D.5.a.(ii)(h). These Permit sections include requirements for AMAFCA to implement and enforce requirements for construction site operators to:</p> <p><u>Part I.D.5.a.(ii).(b)</u> - implement appropriate erosion and sediment control BMPs;</p> <p><u>Part I.D.5.a.(ii).(c)</u> - control waste at the construction site that may cause adverse impacts to water quality;</p> <p><u>Part I.D.5.a.(ii).(d)</u> - Procedures for site plan review which incorporate consideration of potential water quality impacts;</p> <p><u>Part I.D.5.a.(ii).(e)</u> - Procedures for receipt and consideration of information submitted by the public;</p> <p><u>Part I.D.5.a.(ii).(f)</u> - Procedures for site inspection (during construction) and enforcement of control measures, including provisions to ensure proper construction, operation, maintenance, and repair.</p>	<p><u>Part I.D.5.a.(ii).(b)</u> - As part of AMAFCA's Program, AMAFCA engineers will continue to review all site plans and the SWPPPs to ensure implementation of appropriate BMPs and consistency with federal, state, and local sediment and erosion control requirements for AMAFCA projects. Pre-construction meetings will be held prior to beginning construction and SWPPP BMPs will be reviewed and discussed.</p> <p><u>Part I.D.5.a.(ii).(c)</u> - AMAFCA ensures control of waste at construction sites during the SWPPP review, in accordance with the MS4 and CGP requirements.</p> <p><u>Part I.D.5.a.(ii).(d)</u> - In a cooperative effort with COA and Bernalillo County, the AMAFCA Development Review Engineer reviews private development that has a connection to AMAFCA facilities for projects disturbing at least one (1) acre. This review includes stormwater conveyance, water quality, and erosion control. In addition, AMAFCA staff performs and will continue to perform incremental reviews of all AMAFCA projects during design to assure quality control and design efficiency.</p> <p><u>Part I.D.5.a.(ii).(e)</u> - AMAFCA will post a contact phone number at all required construction sites to ensure the public can contact AMAFCA with information.</p> <p><u>Part I.D.5.a.(ii).(f)</u> - AMAFCA has procedures for construction site inspections of control measures to ensure compliance with the Construction General Permit (CGP). AMAFCA also has procedures in place to ensure site stabilization after NOT is filed.</p>	<p><b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b></p> <ul style="list-style-type: none"> <li>Review site plans and the SWPPPs (using the EPA SWPPP checklist) for AMAFCA projects disturbing at least one (1) acre in order to consider potential water quality impacts and ensure consistency with federal, state, and local sediment and erosion control requirements.</li> <li>Conduct pre-construction meetings on AMAFCA construction projects disturbing at least one (1) acre prior to beginning earth-disturbing activities in order to discuss the SWPPP and BMPs.</li> <li>SWPPP review will include ensuring the plans addresses control of waste at construction sites for AMAFCA projects.</li> <li>In a cooperative effort with COA and Bernalillo County, the AMAFCA Development Review Engineer will review private development that has a connection to AMAFCA facilities for projects disturbing at least one (1) acre. Review will include stormwater conveyance, water quality, and erosion control.</li> <li>AMAFCA will post a contact phone number at all required construction sites.</li> <li>AMAFCA will continue to utilize construction inspection procedures for control measures to ensure compliance with the Construction General Permit (CGP).</li> </ul>	Met FY 2020 Goals.
	55	<p>Continued...Develop requirements and procedures as required in Part I.D.5.a.(ii)(b) through Part I.D.5.a.(ii)(h).</p> <p><u>Part I.D.5.a.(ii).(g)</u> - to educate and train permittee personnel and developers, construction site operators, contractors and supporting personnel; and</p> <p><u>Part I.D.5.a.(ii).(h)</u> - for keeping records of and tracking all regulated construction activities within the MS4 - site reviews, inspections, inspection reports, warning letters and other enforcement documents. A summary of the number and frequency of site reviews, inspections (including inspector's checklist for oversight of sediment and erosion controls and proper disposal of construction wastes) and enforcement activities that are conducted annually and cumulatively during the permit term shall be included in each Annual Report.</p>	<p><u>Part I.D.5.a.(ii).(g)</u> - AMAFCA will provide MS4 construction site inspection training for its staff and invite other agencies to attend trainings, when possible. In addition, construction site SWPPPs will continue to be discussed at weekly staff meetings, included in daily reports by AMAFCA field personnel, and discussed at AMAFCA Board meetings.</p> <p><u>Part I.D.5.a.(ii).(h)</u> - AMAFCA will maintain records of all AMAFCA-led projects disturbing at least one (1) acre within its rights-of-way. This will include AMAFCA's Construction Site Stormwater Runoff Control Program records, including NOIs, NOI tracking, inspection reports, non-conformance documents, and training documents. AMAFCA will maintain its MS4 Strategies and Procedures Notebook. AMAFCA's license agreements relative to CGP compliance for non-AMAFCA projects that occur within its rights-of-way are the responsibility of the licensee.</p>	<p><b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b></p> <ul style="list-style-type: none"> <li>AMAFCA will continue to provide MS4 construction site inspection training for its staff and invite other agencies responsible for construction projects. In addition, construction site SWPPPs will continue to be discussed at weekly staff meetings, included in daily reports by field personnel, and discussed at AMAFCA Board meetings.</li> <li>AMAFCA will maintain records of all construction projects disturbing at least one (1) acre within its rights-of-way that do not qualify for a Low Erosivity Waiver (LEW).</li> <li>AMAFCA will maintain a tracking spreadsheet for the Construction Site Stormwater Runoff Control Program elements for AMAFCA-led projects.</li> </ul>	Met FY 2020 Goals.

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1.3	56	<u>Part I.D.5.a.(iii)</u> . Annually conduct site inspections of 100 percent of all construction projects cumulatively disturbing one (1) or more acres as required in Part I.D.5.a.(iii).	<u>Part I.D.5.a.(iii)</u> - As part of AMAFCA's Program, AMAFCA staff will continue to perform field inspections of AMAFCA construction projects which disturb at least one (1) acre. At a minimum, each project will be inspected once after filing the NOI (including follow-up inspections for any nonconformances) and at the NOT. An inspection form has been developed and will be used for all inspections. Should the contractor fail to operate, maintain and repair the BMPs and control measures, AMAFCA staff have the contractual authority to temporarily suspend work, withhold/stop payment, or terminate the contract should such issues go uncorrected. AMAFCA's license agreements for non-AMAFCA projects that occur within its rights-of-way are not inspected by AMAFCA and are the responsibility of the licensee. As AMAFCA partners with other MS4s, such as COA, UNM, or ExpoNM on construction projects, AMAFCA will continue to coordinate with those cooperating MS4s in order to assign responsibility of conducting site inspections.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> <ul style="list-style-type: none"> <li>• AMAFCA will complete the inspections per the Construction Site Stormwater Runoff Control Program Plan for 100% of the active construction sites under contract by AMAFCA which disturb at least one (1) acre. AMAFCA will provide each contractor with a rain gage for each construction site to facilitate construction inspections.</li> <li>• AMAFCA's Stormwater Quality Engineer will track all MS4 inspections using the NOI Construction Inspection Tracking spreadsheet.</li> <li>• AMAFCA will maintain copies of the completed MS4 construction inspection forms.</li> <li>• AMAFCA will continue membership and involvement in the cooperative MS4 TAG, which will facilitate cooperation and coordination with other MS4s in the Middle Rio Grande.</li> </ul>	Met FY 2020 Goals.
1.4	57	<u>Part I.D.5.a.(iv)</u> . Coordinate with all departments and boards with jurisdiction over the planning, review, permitting, or approval of public and private construction projects/activities within the permit area as required in Part I.D.5.a.(iv). Planning documents include, but are not limited to: comprehensive or master plans, subdivision ordinances, general land use plan, zoning code, transportation master plan, specific area plans, such as sector plan, site area plans, corridor plans, or unified development ordinances.	<u>Part I.D.5.a.(iv)</u> - AMAFCA does not have jurisdiction over the planning, review, permitting, or approval of non-AMAFCA public and private construction activities. Therefore, AMAFCA's program is limited to AMAFCA-owned properties. Regular coordination among AMAFCA staff, as well as with Board members, occurs and will continue.  In a cooperative effort with COA and Bernalillo County, the AMAFCA Development Review Engineer will continue to coordinate with and to review public and private development that has a connection to AMAFCA facilities for projects disturbing at least one (1) acre.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> <ul style="list-style-type: none"> <li>• AMAFCA will continue regular coordination amongst AMAFCA engineering staff and Board members to verify that BMPs are in place to control erosion during construction on AMAFCA-owned properties.</li> <li>• AMAFCA will continue to meet monthly with the Board and will continue to seek board approval for jointly funded water quality projects.</li> <li>• In a cooperative effort with COA and Bernalillo County, the AMAFCA Development Review Engineer reviews public and private development that has a connection to AMAFCA facilities for projects disturbing at least one (1) acre. These reviews will include stormwater conveyance, water quality, and erosion control.</li> </ul>	Met FY 2020 Goals.

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1.5	58	Evaluation of GI/LID/Sustainable practices in site plan reviews as required in <u>Part I.D.5.a.(v)</u> . The site plan review must include an evaluation of opportunities for use of GI/LID/ Sustainable practices and when the opportunity exists, encourage project proponents to incorporate such practices into the site design to mimic the pre-development hydrology of the previously undeveloped site. For purposes of this permit, pre-development hydrology shall be met according to Part I.D.5.b of this Permit (consistent with any limitations on that capture). Include a reporting requirement of the number of plans that had opportunities to implement these practices and how many incorporated these practices.	<u>Part I.D.5.a.(v)</u> - AMAFCA does not have jurisdiction over site plan reviews of public and private construction activities, and AMAFCA does not program any private development type projects. AMAFCA ultimately has no authority to accept or reject public and private development projects.  AMAFCA will continue to encourage use of sustainable practices during the review phase of projects within AMAFCA's rights-of-way and turn-key projects that AMAFCA will take over for operation and maintenance after construction. AMAFCA will encourage an evaluation of sustainable GI/LID practice opportunities within the watershed.  The reporting requirement for the number of plans that AMAFCA reviews, typically because of a connection to an AMAFCA facility, that had opportunities to implement these practices will be reported annually. Because of lack of jurisdictional authority, AMAFCA is typically not told how many improvements were implemented. Therefore the number of improvements implemented will not be reported in the AMAFCA MS4 Annual Report.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> • AMAFCA will continue to encourage use of sustainable practices during the review phase of projects. • AMAFCA will annually report the number of plans that were reviewed within AMAFCA's rights-of-way and turn-key projects that AMAFCA will take over for operation and maintenance after construction that had opportunities to implement GI/LID/Sustainable practices.	<b>Met FY 2020 Goals.</b> • In FY 2020, 160 plans were reviewed by the AMAFCA Development Review Engineer where opportunities to potentially implement GI/LID/ Sustainable practices were considered.
Not Included in NOI	59	Update the SWMP document and annual report as required in <u>Part I.D.5.a.(vi)</u> and in <u>Part I.D.5.a.(vii)</u> .  <u>Part I.D.5.a.(vi)</u> The permittee must include in the SWMP a description of the mechanism(s) that will be utilized to comply with each of the elements required in <u>Part I.D.5.a.(i)</u> throughout <u>Part I.D.5.a.(v)</u> , including description of each individual BMP (both structural or non-structural) or source control measures and its corresponding measurable goal.	<u>Part I.D.5.a.(vi)</u> - The above sections of the SWMP describe the mechanism(s) AMAFCA utilizes to comply with each of the elements required in <u>Part I.D.5.a.(i)</u> throughout <u>Part I.D.5.a.(v)</u> and the corresponding measurable goal(s). AMAFCA will annually evaluate and revise the Construction Site Stormwater Runoff Control Program elements, as necessary, to ensure that AMAFCA's Program meets the MS4 Permit requirements.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> • Annually evaluate and revise the Construction Site Stormwater Runoff Control Program, as necessary, to ensure that AMAFCA's Program meets the MS4 Permit requirements. Update the SWMP, as necessary.	<b>Met FY 2020 Goal.</b>
Not Included in NOI	60	Update the SWMP document and annual report as required in <u>Part I.D.5.a.(vi)</u> and in <u>Part I.D.5.a.(vii)</u> .  <u>Part I.D.5.a.(vii)</u> - The permittee shall assess the overall success of the program, and document the program effectiveness in the Annual Report. The permittee must include in each Annual Report: <u>Part I.D.5.a.(vii)(a)</u> - A summary of the frequency of site reviews, inspections and enforcement activities that are conducted annually and cumulatively during the permit term. <u>Part I.D.5.a.(vii)(b)</u> - The number of plans that had the opportunity to implement GI/LID/Sustainable practices and how many incorporated the practices.	<u>Part I.D.5.a.(vii)</u> - AMAFCA will assess the overall success of the program, and document the program effectiveness in the Annual Report. <u>Part I.D.5.a.(vii)(a)</u> - AMAFCA will include in each Annual Report a summary of the number and frequency of site reviews and inspections activities that are conducted annually and cumulatively during the permit term. <u>Part I.D.5.a.(vii)(b)</u> - AMAFCA will include the number of plans that had the opportunity to implement GI/LID/Sustainable practices from the plans that were reviewed within AMAFCA's rights-of-way and turn-key projects that AMAFCA will take over for operation and maintenance after construction. AMAFCA ultimately lacks jurisdictional authority to accept public and private development projects.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> • AMAFCA will annually document the program effectiveness and program success in the Annual Report through use of an Annual Report format that reports the status of implementation and performance assessment for each MS4 Permit requirement. • Included in each Annual Report will be a summary of the number and frequency of construction site reviews and inspection activities that are conducted annually and cumulatively during the Permit term. • Included in each Annual Report will be a summary of the plans that had the opportunity to implement GI/LID/Sustainable practices from the plans that were reviewed within AMAFCA's rights-of-way and turn-key projects that AMAFCA will take over for operation and maintenance after construction. This documentation is included above.	<b>Met FY 2020 Goals.</b>

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1.6	61	Enhance the program to include the elements in Part I.D.5.a.(viii) through Part I.D.5.a.(x). These include: <u>Part I.D.5.a.(viii)</u> -Use of stormwater educational materials; <u>Part I.D.5.a.(ix)</u> - Develop or update existing construction handbooks; and <u>Part I.D.5.a.(x)</u> - construction inspections may be carried out in conjunction with other inspections and use a screening prioritization process.	<u>Part I.D.5.a.(viii)</u> - AMAFCA will continue to use stormwater educational materials, either developed locally or provided by EPA, NMED, environmental groups, public interest groups, trade organizations, and/or other MS4s. AMAFCA will continue to host training cooperative sessions with the watershed MS4s. <u>Part I.D.5.a.(ix)</u> - AMAFCA will work with other MS4s to evaluate the need to update the New Mexico NPDES 2012 Storm Water Management Guidelines for Construction and Industrial Activities. <u>Part I.D.5.a.(x)</u> - AMAFCA will continue to incorporate a screening prioritization process for construction inspections.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> • AMAFCA will include the MRGSQT Outcomes Report in each Annual Report which will summarize the activities where educational materials were dispersed and shared with the public. • AMAFCA will include in each Annual Report, if applicable, training cooperative sessions held with the watershed MS4s during the reporting period. • AMAFCA will follow procedures outlined in the 2012 Storm Water Management Guidelines for Construction and Industrial Activities Manual for inspections. AMAFCA also will work with other MS4s to evaluate the need to update the 2012 Storm Water Management Guidelines for Construction and Industrial Activities. • AMAFCA will continue to incorporate a screening prioritization process for construction inspections.	Met FY 2020 Goals.
1.7	62	Item from MS4 Permit NOI. Describe other proposed activities to address the Post-Construction Stormwater Management in New Development and Redevelopment Measure.	AMAFCA will continue to utilize the Annual Report process as a means to perform a self-audit with the goal to improve its MS4 Programs.  AMAFCA will maintain and update, as necessary, its MS4 Strategies and Procedures Notebook for this MS4 Program.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> • AMAFCA will annually document progress made, if any, related to the Annual Report process as a means to perform a self-audit on the MS4 Program elements. • AMAFCA will maintain and update, as necessary, its MS4 Strategies and Procedures Notebook.	Met FY 2020 Goals.



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	63	<b>TABLE 3: Post-Construction Stormwater Management in New Development and Redevelopment- Part I.D.5.b</b>			
See NOI Sections Below	64	<u>Part I.D.5.b.(i)</u> The permittee must develop, revise, implement, and enforce a program to address stormwater runoff from new development and redevelopment projects that disturb greater than or equal to one acre, including projects less than one acre that are part of a larger common plan of development or sale, that discharge into the MS4. The program must ensure that controls are in place that would prevent or minimize water quality impacts. Permittees previously covered under NMS000101 or NMR040000 must continue existing programs, updating as necessary, to comply with the requirements of this permit. (Note: Highway Departments and Flood Control Authorities may only apply the post-construction stormwater management program to the permittee's own construction projects).	<u>Part I.D.5.b.(i)</u> - All AMAFCA projects are regional flood control or water quality projects. AMAFCA does not have jurisdiction over private or public (non-AMAFCA) development or redevelopment projects - this responsibility lies with COA, NMDOT, or Bernalillo County. AMAFCA facilities receive stormwater after it flows through new development and redevelopment. As a result, some permit activities in this section do not apply to AMAFCA.  AMAFCA's routine operation & maintenance (O&M) activities address post-construction stormwater management at all AMAFCA facilities.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> • Coordinate O&M activities with AMAFCA's Stormwater Quality Engineer, Project Manager, Development Review Engineer, Drainage Engineer, GIS Manager, Field Engineer, and Executive Engineer.	Met FY 2020 Goal.
2.1	65	Development of strategies as required in <u>Part I.D.5.b.(ii).(a)</u> . Strategies which include a combination of structural and/or non-structural BMPs to control pollutants in stormwater runoff.	<u>Part I.D.5.b.(ii).(a)</u> - All AMAFCA projects are regional flood control or stormwater quality projects - functioning as BMPs. AMAFCA will continue to include both structural and non-structural BMPs to control pollutants in stormwater runoff from AMAFCA owned facilities.  AMAFCA will continue to meet with watershed MS4s and other entities to discuss areas requiring drainage and water quality improvements, project priorities, and multi-agency funding opportunities. As part of the development of the AMAFCA Project Schedule, a system review will be completed. AMAFCA will publish projects, including schedule and cost sharing, in the biennial AMAFCA Project Schedule.  AMAFCA will continue development of this program element in its MS4 Strategies and Procedures Notebook for this Program.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> • AMAFCA will continue to include both structural and non-structural BMPs to control pollutants in stormwater runoff from AMAFCA owned facilities. • AMAFCA will coordinate with watershed MS4s as well as other entities during project review, complete a system review, and publish projects, including schedule and cost sharing, in the biennial AMAFCA Project Schedule. • AMAFCA will continue development of this program element in its MS4 Strategies and Procedures Notebook.	Met FY 2020 Goals.
2.2	66	Development of an ordinance or other regulatory mechanism as required in <u>Part I.D.5.b.(ii).(b)</u> .	<u>Part I.D.5.b.(ii).(b)</u> - It is not within AMAFCA's jurisdiction to enact ordinances or other legal authority mechanisms. AMAFCA is unable to develop, implement, or enforce any ordinances or regulatory mechanisms required in this section.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> • AMAFCA will continue to work with the cooperative MS4 TAG and other agencies to discuss and help develop regulatory mechanisms.	Met FY 2020 Goal.
2.3	67	Implementation and enforcement, via the ordinance or other regulatory mechanism of site design standards as required in <u>Part I.D.5.b.(ii).(b)</u> .	<u>Part I.D.5.b.(ii).(b)</u> - It is not within AMAFCA's jurisdiction to enact ordinances or other legal authority mechanisms. AMAFCA is unable to develop, implement, or enforce any ordinances or regulatory mechanisms required in this section.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> • AMAFCA will continue to work with the cooperative MS4 TAG and other agencies to discuss and help develop regulatory mechanisms.	Met FY 2020 Goal.

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2.4	68	Ensure appropriate implementation of post-construction structural controls as required in <a href="#">Part I.D.5.b.(ii).(c)</a> and <a href="#">Part I.D.5.b.(ii).(d)</a> .	<a href="#">Part I.D.5.b.(ii).(c)</a> - AMAFCA will continue to ensure the appropriate implementation of structural BMPs on AMAFCA owned projects through pre-construction design review (see Construction Site Stormwater Runoff Control Measure). For watershed cooperative elements, AMAFCA partners with other MS4s, such as the COA, UNM, and ExpoNM, on construction of structural BMPs. AMAFCA is also a member of the MS4 TAG. <a href="#">Part I.D.5.b.(ii).(d)</a> - AMAFCA will conduct inspections during construction, (see Construction Site Stormwater Runoff Control Measure), conduct Post-Construction inspection and maintenance (AMAFCA's routine O&M activities address post-construction stormwater management), and enforce penalty provisions for construction noncompliance and ineffective operation and maintenance. These items will be discussed periodically with the AMAFCA Field Engineer.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> <ul style="list-style-type: none"><li>• AMAFCA will ensure the appropriate implementation of structural BMPs on AMAFCA owned projects through pre-construction design review (see Construction Site Stormwater Runoff Control Measure).</li><li>• AMAFCA will continue to work with the watershed MS4s, TAG, and other agencies to discuss cooperative implementation of structural BMPs.</li><li>• AMAFCA will conduct inspections during construction, (see Construction Site Stormwater Runoff Control Measure).</li><li>• AMAFCA's Post-Construction inspections and maintenance will be through the AMAFCA O&amp;M activities (see Pollution Prevention /Good Housekeeping Control Measure).</li></ul>	<b>Met FY 2020 Goals.</b>
2.5	69	Develop procedures as required in <a href="#">Part I.D.5.b.(ii).(e)</a> - Procedure to develop and implement an educational program for project developers regarding designs to control water quality effects from stormwater, and a training program for plan review staff regarding stormwater standards, site design techniques and controls, including training regarding GI/LID/ Sustainability practices. Training may be developed independently or obtained from outside resources; <a href="#">Part I.D.5.b.(ii).(f)</a> - Procedures for site inspection and enforcement to ensure proper long-term operation, maintenance, and repair of storm water management practices that are put into place as part of construction projects/activities; <a href="#">Part I.D.5.b.(ii).(g)</a> - Procedures to control the discharge of pollutants related to commercial application and distribution of pesticides, herbicides, and fertilizers; and <a href="#">Part I.D.5.b.(ii).(h)</a> - Procedure or system to review and update, as necessary, the existing program to ensure that storm water controls or management practices for new development and redevelopment projects/ activities continue to meet the requirements and objectives of the permit.	<a href="#">Part I.D.5.b.(ii).(e)</a> - As a cooperative program, AMAFCA contributes to the Mid Rio Grande Stormwater Quality Team (MRGSQT), which includes training on GI/LID and sustainability practices. This is achieved by sponsoring conferences featuring GI/LID lectures, such as the annual Land and Water Summit. Reporting on the MRGSQT activities will be part of Public Education and Outreach on Stormwater Impacts Control Measure. <a href="#">Part I.D.5.b.(ii).(f)</a> - AMAFCA is responsible for all long term inspection, operation, maintenance, and repair of its own facilities. AMAFCA will perform inspections, maintenance and repair in accordance with the established procedures in the "AMAFCA O&M Manual for Dams", the "AMAFCA O&M Repair Replacement and Rehabilitation Manual", and Project O&M Plan (Plan No. 7). This is covered in the Pollution Prevention/Good Housekeeping Control Measure. <a href="#">Part I.D.5.b.(ii).(g)</a> - AMAFCA will only allow certified staff or professionally licensed contractors to apply herbicides within AMAFCA rights-of-way (AMAFCA does not apply pesticides or fertilizers in its operations). This is covered in the Pollution Prevention/Good Housekeeping Control Measure. <a href="#">Part I.D.5.b.(ii).(h)</a> - AMAFCA's routine O&M activities address post-construction stormwater management at all AMAFCA facilities.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> <ul style="list-style-type: none"><li>• As a cooperative program, AMAFCA contributes to the MRGSQT. AMAFCA's educational efforts are included in the MRGSQT Outcomes Report submitted in each Annual Report that will summarize, if applicable, the activities where educational materials were dispersed and shared with project developers.</li><li>• AMAFCA will provide MS4 training for its staff and invite other agencies responsible for construction projects. AMAFCA may participate in other agencies' MS4 trainings.</li><li>• AMAFCA's Post-Construction inspections and maintenance are conducted following the AMAFCA O&amp;M procedures (see Pollution Prevention /Good Housekeeping Control Measure).</li><li>• AMAFCA will only allow licensed staff or professionally licensed contractors to apply herbicides within all of AMAFCA rights-of-way (AMAFCA does not apply pesticides or fertilizers in its operations).</li><li>• AMAFCA will compile and document applicable program procedures in its MS4 Strategies and Procedures Notebook.</li></ul>	<b>Met FY 2020 Goals.</b> <ul style="list-style-type: none"><li>• AMAFCA participated in and contributed to the MRGSQT. The MRGSQT sponsored the Land and Water Summit, hosted by the Xeriscape Council of NM and Arid LID as well as a preconference GI/LID field trip. AMAFCA was involved with the 2020 planning committee for the Land and Water Summit. In addition, AMAFCA is a participant with the Arid LID Coalition (promotes the use of Low Impact Development &amp; Green Infrastructure practices in arid environments). AMAFCA attended the Arid LID Coalition green stormwater infrastructure interactive workshop in Sept. 2020. In FY 2020, AMAFCA was an attendee and presenter at the EPA Region 6 Stormwater Conference held in Denton, TX in August 2019.</li></ul>

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2.6	70	Coordinate internally with all departments and boards with jurisdiction over the planning, review, permitting, or approval of public and private construction projects/ activities within the permit area as required in <u>Part I.D.5.b.(iii)</u> related to developed hydrology mimicking pre-development hydrology.	<u>Part I.D.5.b.(iii)</u> - AMAFCA does not have any internal departments or boards with jurisdiction. AMAFCA will coordinate with all entities as necessary. AMAFCA will coordinate internally and, to the extent possible and applicable, design AMAFCA facilities for compliance with developed hydrology mimicking pre-development hydrology. For AMAFCA led DMPs, Sediment Studies, Facility Plans, and WQ studies, AMAFCA will require, to the extent possible and applicable, that developed hydrology mimic pre-development hydrology. The NM OSE regulates the water delivery to the Rio Grande in order to meet water delivery requirements to Texas; therefore, AMAFCA's objective is to design its facilities to drain within 96 hours per the OSE requirements.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> <ul style="list-style-type: none"> <li>• AMAFCA will coordinate internally on studies and projects for MS4 Permit compliance with developed hydrology mimicking pre-development hydrology. AMAFCA will abide by the NM OSE rule and plan/design its facilities to drain within 96 hours per the OSE requirements.</li> <li>• AMAFCA will continue to follow the standard practice for Drainage Master Plans (DMPs) options development and consider two options for developed condition hydrology flowrates and volumes: 1) determine pond locations and volumes required on a sub-basin by sub-basin basis to mimic pre-development hydrology and, 2) determine pond locations and volumes required on a regional approach basis to mimic pre-development hydrology.</li> </ul>	Met FY 2020 Goals.
2.7	71	As required in <u>Part I.D.5.b.(iv)</u> , the permittee must assess all existing codes, ordinances, planning documents and other applicable regulations, for impediments to the use of GI/LID/Sustainable practices.	<u>Part I.D.5.b.(iv)</u> - AMAFCA does not have jurisdictional authority pertaining to codes, ordinances, planning documents and other applicable regulations, for impediments to the use of GI/LID/Sustainable practices.  AMAFCA will provide information, as requested, and coordinate with other watershed MS4s for assessment of existing codes, ordinances, planning documents and other applicable regulations for impediments to the use of GI/LID/Sustainable practices.  The NM OSE regulates the water delivery to the Rio Grande in order to meet water delivery requirements to Texas; therefore, AMAFCA's objective is to design its facilities to drain within 96 hours per the OSE requirements.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> <ul style="list-style-type: none"> <li>• AMAFCA will provide information, as requested, and coordinate and cooperate with other watershed MS4s for the assessment of existing codes, ordinances, planning documents, and other applicable regulations for impediments to the use of GI/LID/Sustainable practices.</li> </ul>	Met FY 2020 Goal.
2.8	72	As required in <u>Part I.D.5.b.(iv)</u> , develop and submit a report of the assessment findings on GI/LID/Sustainable practices.	<u>Part I.D.5.b.(iv)</u> - AMAFCA does not have jurisdictional authority pertaining to codes, ordinances, planning documents and other applicable regulations, for impediments to the use of GI/LID/Sustainable practices. However, to the extent permitted by law, AMAFCA will comply with the requirements of this section. AMAFCA will provide information, as requested, and coordinate with other watershed MS4s for assessment of existing codes, ordinances, planning documents and other applicable regulations for impediments to the use of GI/LID/Sustainable practices.	<b>Met Permit Requirement - Activity is Complete. - no additional measurable goals.</b> <ul style="list-style-type: none"> <li>• AMAFCA provided information, as requested, and coordinated and cooperated with other watershed MS4s for the development of a report of the assessment of findings from <u>Part I.D.5.b.(iv)</u>. This was completed in March 2017 and was submitted to the EPA with the Annual Report, due Dec. 1, 2017.</li> </ul>	No Goals Required for FY 2020. Met Permit Requirement - Activity is Complete.

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Not Included in NOI	73	<p>As required in <u>Part I.D.5.b.(v)</u>, Alternative compliance for infeasibility due to Site Constraints. <u>Part I.D.5.b.(v).(a)</u> - Infeasibility to manage the design standard volume specified in Part I.D.5.b.(ii).(b), or a portion of the design standard volume, onsite may result from site constraints including:</p> <p><u>A.</u> too small a lot outside of the building footprint to create the necessary infiltrative capacity even with amended soils;</p> <p><u>B.</u> soil instability as documented by a thorough geotechnical analysis;</p> <p><u>C.</u> a site use that is inconsistent with capture and reuse of storm water;</p> <p><u>D.</u> other physical conditions; or,</p> <p><u>E.</u> to comply with applicable requirements for on-site flood control structures leaves insufficient area to meet the standard.</p> <p><u>Part I.D.5.b.(v).(b)</u> - A determination that it is infeasible to manage the design standard volume specified in Part I.D.5.b.(ii).(b), or a portion of the design standard volume, on site may not be based solely on the difficulty or cost of implementing onsite control measures, but must include multiple criteria that rule out an adequate combination of the practices set forth in Part I.D.5.b.(v).</p>	<p><u>Part I.D.5.b.(v).(a) and (b)</u> - As previously mentioned, all AMAFCA projects are regional flood control or stormwater quality projects that function as BMPs, and AMAFCA does not have jurisdictional authority pertaining to new development or redevelopment activities. Therefore, AMAFCA itself will likely not have requirements for alternative compliance regarding infeasibility to manage the post construction design standard volume. However, AMAFCA's regional facilities may offer other MS4s an option for alternative compliance to manage the post-construction stormwater quality volume. The on-site stormwater management decisions and feasibility will typically be determined during development by other agencies (COA, Bernalillo County, etc.). AMAFCA will continue coordination with and support these agency decisions, as appropriate. AMAFCA's involvement will typically occur during the development review or stake-holder review.</p>	<p><b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b></p> <ul style="list-style-type: none"> <li>• AMAFCA will continue to coordinate with and support these agency decisions, as appropriate, related to on-site stormwater management decisions and feasibility. AMAFCA's involvement will typically occur during the development review or stake-holder review. AMAFCA's regional facilities may offer other MS4s an option for alternative compliance to manage the post-construction stormwater quality volume.</li> </ul>	Met FY 2020 Goal.
Not Included in NOI	74	<p><u>Part I.D.5.b.(v)</u> continued -</p> <p><u>Part I.D.5.b.(v).(c)</u> - This permit does not prevent imposition of more stringent requirements related to flood control. Where both the permittee's site design standard ordinance or policy and local flood control requirements on site cannot be met due to site conditions, the standard may be met through a combination of on-site and off-site controls.</p> <p><u>Part I.D.5.b.(v).(d)</u> - Where applicable New Mexico water law limits the ability to fully manage the design standard volume on site, measures to minimize increased discharge consistent with requirements under New Mexico water law must still be implemented.</p> <p><u>Part I.D.5.b.(v).(e)</u> - In instances where an alternative to compliance with the standard on-site is chosen, technical justification as to the infeasibility of on-site management of the entire design standard volume, or a portion of the design standard volume, is required to be documented by submitting to the permittee a site-specific hydrologic and/or design analysis conducted and endorsed by a registered professional engineer, geologist, architect, and/or landscape architect.</p>	<p><u>Part I.D.5.b.(v).(c)</u> - AMAFCA's primary function is to provide regional flood control; this includes stormwater quality projects that function as BMPs. Flood control requirements will continue to be required.</p> <p><u>Part I.D.5.b.(v).(d)</u> - The NM ISC/OSE regulates the water delivery to the Rio Grande in order to meet water delivery requirements to Texas; therefore, AMAFCA's objective is to design its facilities to drain within 96 hours per the OSE requirements. Using AMAFCA facilities for off-site mitigation would assure the community that New Mexico water law limits are being met at the AMAFCA facilities.</p> <p><u>Part I.D.5.b.(v).(e)</u> - Alternatives to compliance for on-site requirements are discussed below. AMAFCA itself will likely not have requirements for alternative compliance regarding infeasibility to manage the post construction stormwater quality volume. However, AMAFCA's regional facilities may offer other MS4s an option for alternative compliance to manage the post construction stormwater quality volume.</p>	<p><b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b></p> <ul style="list-style-type: none"> <li>• AMAFCA will continue its primary function is to provide regional flood control; this includes stormwater quality projects that function as BMPs. Flood control requirements will continue to be required.</li> <li>• AMAFCA will abide by the NM OSE rule and plan/design its facilities to drain within 96 hours per the ISC/OSE guidance document. Using AMAFCA facilities for off-site mitigation would assure the community that New Mexico water law limits are being met at the AMAFCA facilities.</li> <li>• AMAFCA's regional facilities may offer other MS4s an option for alternative compliance to manage the post construction stormwater quality volume.</li> </ul>	Met FY 2020 Goals.

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Not Included in NOI	75	As required in <u>Part I.D.5.b.(v).(f)</u> , when a Permittee determines a project applicant has demonstrated infeasibility due to site constraints specified in Part I.D.5.b.(v) to manage the design standard volume specified in Part I.D.5.b.(ii).(b) or a portion of the design standard volume on-site, the Permittee shall require one of the following mitigation options: <u>A.</u> The off-site mitigation option only applies to redevelopment sites and cannot be applied to new development. Management of the standard volume, or a portion of the volume, may be implemented at another location within the MS4 area, approved by the permittee. The permittee shall identify priority areas within the MS4 in which mitigation projects can be completed and shall determine who will be responsible for long-term maintenance on off-site mitigation projects. <u>B.</u> Implementation of a project that has been determined to provide an opportunity to replenish regional ground water supplies at an offsite location. <u>C.</u> Payment in lieu may be made to the permittee, who will apply the funds to a public storm water project. MS4s shall maintain a publicly accessible database of approved projects for which these payments may be used.	<u>Part I.D.5.b.(v).(f)</u> - AMAFCA will continue to meet with watershed MS4s and other entities to discuss areas requiring drainage and water quality improvements, project priorities, and multi-agency funding opportunities. Off-site stormwater quality mitigation projects will be included in these discussions. As part of the development of the AMAFCA Project Schedule, a system review will be completed. AMAFCA will publish projects, including schedule and cost sharing, in the biennial AMAFCA Project Schedule.  AMAFCA, as part of the MS4 TAG, has discussed with EPA Region 6 (verbally and in writing) the MS4 Permit language for this section. The MS4 TAG members and EPA discussed how some of the terms/language of the Permit may limit the flexibility of the MS4s to allow off-site stormwater mitigation. The MS4s identified terms in the Permit which restrict the flexibility to achieve stormwater quality objectives by using alternate methods of compliance with post-construction permit requirements. The MS4 TAG provided this in writing to EPA on August 19, 2017 (letter from Dave Gatterman, SSCAFCA, "August 8, 2016 Meeting Follow-up"). This letter included scanned page 30 of Permit No. NMR04A000 to illustrate language changes the MS4 TAG think would allow the permittees to move forward and comply with both the Permit and state statute. Removing these limitations relative to post construction runoff will better allow the permittees flexibility to comply with New Mexico water law, protect the quality of the river, and not overly constrict development of our arid watershed. AMAFCA will continue discussions with EPA Region 6 regarding Permit language related to off-site stormwater mitigation.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> • AMAFCA will coordinate with watershed MS4s as well as other entities during project review, complete a system review, and publish projects, including schedule and cost sharing, in the biennial AMAFCA Project Schedule. Off-site stormwater quality mitigation projects will be included in these discussions. • AMAFCA will continue discussions with EPA Region 6 regarding Permit language related to off-site stormwater mitigation. Removing these Permit limitations relative to post construction runoff will better allow the permittees flexibility to comply with New Mexico water law, protect the quality of the river, and not overly constrict development of our arid watershed.	Met FY 2020 Goals.
2.9	76	Estimation of the number of acres of IA and DCIA as required in <u>Part I.D.5.b.(vi)</u> .	<u>Part I.D.5.b.(vi)</u> - AMAFCA will estimate the Impervious Area (IA) and Directly Connected Impervious Area (DCIA) within AMAFCA's jurisdiction and/or rights of way.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> • AMAFCA will estimate the IA and DCIA within AMAFCA's jurisdiction and/or rights of way. This will be done annually as part of the Annual Report preparation. This will be a cooperative effort with other watershed MS4s.	Met FY 2020 Goal.

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2.10	77	<p>Inventory and priority ranking as required in <u>Part I.D.5.b.(vii)</u> for MS4-owned property and infrastructure (including public right-of-way) that may have the potential to be retrofitted with control measures designed to control the frequency, volume, and peak intensity of stormwater discharges to and from its MS4.</p> <p>The NM Office of the State Engineer (OSE) regulates the water delivery to the Rio Grande in order to meet water delivery requirements to Texas; therefore, AMAFCA's objective is to design its facilities to drain within 96 hours per the OSE requirements.</p>	<p><u>Part I.D.5.b.(vii)</u> - AMAFCA will continue to keep an inventory and develop a priority ranking of AMAFCA owned properties and facilities that may have the potential for retrofitted control measures and stormwater quality facilities and BMPs. AMAFCA will continue to meet with MS4s to discuss areas requiring drainage and water quality retrofits, project priorities, and multi-agency funding. AMAFCA will publish projects, including schedule and cost sharing, in the biennial AMAFCA Project Schedule. As part of the development of the AMAFCA Project Schedule, a system review will be completed. Internally, using the Project Schedule, water quality projects and water quality retrofit projects will be ranked and tabulated. AMAFCA will evaluate the existing BMPs based on their effectiveness and capacity in order to identify where additional BMPs are needed.</p> <p>AMAFCA is also a member of the cooperative MS4 TAG, facilitating cooperation and coordination with other watershed MS4s.</p> <p>AMAFCA will install and monitor Levelloggers in major inlets into the NDC on AMAFCA ROW and analyze the data to assist in the priority ranking.</p> <p>AMAFCA will complete, as allowed, updated hydrologic analyses for the Rio Grande watersheds to assist with determining priority ranking.</p>	<p><b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b></p> <ul style="list-style-type: none"> <li>• AMAFCA will continue to meet with agencies within its jurisdiction to discuss the areas requiring drainage and water quality retrofitting within the Middle Rio Grande Watershed, project priorities, and multi-agency funding contributions.</li> <li>• AMAFCA will publish the AMAFCA-funded projects, including the schedule and proposed cost-sharing, in the biennial AMAFCA Project Schedule. As part of the development of the AMAFCA Project Schedule, a system review will be completed. AMAFCA will utilize the Project Schedule to rank and tabulate water quality projects and water quality retrofit projects.</li> <li>• AMAFCA will continue membership and involvement in the cooperative MS4 TAG which will facilitate cooperation and coordination with other MS4s in the Middle Rio Grande.</li> <li>• AMAFCA will install Levelloggers in major channel inlets into the NDC on AMAFCA ROW and analyze the data to assist with priority ranking.</li> <li>• AMAFCA will complete updated hydrologic analyses, utilizing the AMAFCA White Paper Methodology, for the NDC watersheds, to assist with determining priority ranking.</li> </ul>	Met FY 2020 Goals.
2.11	78	<p>Incorporate watershed protection elements into regular planning or policy documents as required in Part I.D.5.b.(viii). As applicable to each permittee's MS4 jurisdiction, policy and/or planning documents must include the following:</p> <p><u>Part I.D.5.b.(viii).(a)</u> - A description of master planning and project planning procedures to control the discharge of pollutants to and from the MS4.</p> <p><u>Part I.D.5.b.(viii).(b)</u> - Minimize the amount of impervious surfaces (roads, parking lots, roofs, etc.) within each watershed, by controlling the unnecessary creation, extension and widening of impervious parking lots, roads and associated development.</p> <p><u>Part I.D.5.b.(viii).(c)</u> - Identify environmentally and ecologically sensitive areas that provide water quality benefits and serve critical watershed functions within the MS4 and ensure requirements to preserve, protect, create and/or restore these areas are developed and implemented during the plan and design phases of projects in these identified areas.</p>	<p><u>Part I.D.5.b.(viii).(a)</u> - AMAFCA will continue to produce and publish the biennial AMAFCA Project Schedule for all regional drainage and water quality projects within AMAFCA's jurisdiction that will either be led or partly funded by AMAFCA. For the projects led by AMAFCA, watershed protection elements will be incorporated when feasible into drainage management plans, as appropriate, in order to identify watersheds which can be retrofitted with regional water quality facilities. During Project Schedule planning, AMAFCA divides the City into 4 quadrants, obtaining collaborative input on all potential projects, and holding stakeholder meetings to prioritize stormwater quality projects for the Project Schedule.</p> <p><u>Part I.D.5.b.(viii).(b)</u> - This section is not applicable to AMAFCA's projects, which are regional flood control or water quality projects.</p> <p><u>Part I.D.5.b.(viii).(c)</u> - During planning of AMAFCA projects, environmentally and ecologically sensitive areas that provide water quality benefits are considered.</p>	<p><b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b></p> <ul style="list-style-type: none"> <li>• Produce and publish the AMAFCA Project Schedule for CY 2016 and every other year thereafter.</li> <li>• AMAFCA will continue to invite all MS4s to provide input for project planning of infrastructure retrofitting.</li> <li>• For projects led by AMAFCA, watershed protection elements will be incorporated into Drainage Management Plans, as appropriate, in order to identify watersheds which potentially can be retrofitted with regional water quality facilities.</li> <li>• All AMAFCA projects will obtain USFWS, USACE, and/or pueblo consultation, if required.</li> </ul>	Met FY 2020 Goals.

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2.11	79	Continuation of incorporate watershed protection elements into regular planning or policy documents as required in Part I.D.5.b.(viii). <u>Part I.D.5.b.(viii).(d)</u> - Implement stormwater management practices that minimize water quality impacts to streams, including disconnecting direct discharges to surface waters from impervious surfaces such as parking lots. <u>Part I.D.5.b.(viii).(e)</u> - Implement stormwater management practices that protect and enhance groundwater recharge as allowed under the applicable water rights laws. <u>Part I.D.5.b.(viii).(f)</u> - Seek to avoid or prevent hydromodification of streams and other water bodies caused by development, including roads, highways, and bridges. <u>Part I.D.5.b.(viii).(g)</u> - Develop and implement policies to protect native soils, prevent topsoil stripping, and prevent compaction of soils. <u>Part I.D.5.b.(viii).(h)</u> - The program must be specifically tailored to address local community needs (e.g. protection to drinking water sources, reduction of water quality impacts) and must be designed to attempt to maintain pre-development runoff conditions.	<u>Part I.D.5.b.(viii).(d)</u> - This section is rarely applicable to AMAFCA's projects. In the arid southwest, direct discharges to surface waters are rare. <u>Part I.D.5.b.(viii).(e)</u> - The NM OSE regulates the water delivery to the Rio Grande in order to meet water delivery requirements to Texas; therefore, AMAFCA's objective is to design its facilities to drain within 96 hours per the OSE requirements. <u>Part I.D.5.b.(viii).(f)</u> - AMAFCA projects, to the extent feasible and as consistent with O&M of sediment removal, will continue to seek to avoid or prevent hydromodification of streams and other water bodies. <u>Part I.D.5.b.(viii).(g)</u> - AMAFCA projects and those in coordination with other MS4s, will, to the extent possible, protect native soils, prevent topsoil stripping, and prevent compaction of soils. <u>Part I.D.5.b.(viii).(h)</u> - AMAFCA does not have jurisdictional authority pertaining to development or redevelopment activities. However, through AMAFCA's involvement with the MRGSQT and TAG, AMAFCA will support programs tailored to address local community needs and that are designed to attempt to maintain pre-development runoff conditions.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> • AMAFCA will develop written procedures that include applicable watershed protection elements in Part I.D.5.b.(viii).(f), (g) and (h) as required in the MS4 Permit and as applicable to AMAFCA. • AMAFCA will continue to contribute and participate in the MRGSQT, which supports programs tailored to address local community needs and are designed to attempt to maintain pre-development runoff conditions. • AMAFCA will complete updated hydrologic analyses, utilizing the AMAFCA White Paper Methodology, for the NDC watersheds, to assist with understanding options for maintaining pre-development runoff conditions.	Met FY 2020 Goals.
Not Included in NOI	80	Update the SWMP document and annual report as required in <u>Part I.D.5.b.(ix)</u> and <u>Part I.D.5.b.(x)</u> . The permittee must update the SWMP as necessary to include a description of the mechanism(s) utilized to comply with the permit elements listed above as well as the citations/descriptions of design standards for structural and non-structural controls to control pollutants in runoff. The following information must be included in each Annual Report: <u>Part I.D.5.b.(x).(a)</u> - Include a summary and analysis of all maintenance, inspections and enforcement, and the number and frequency of inspections performed annually. <u>Part I.D.5.b.(x).(b)</u> - A cumulative listing of the annual modifications made to the Post-Construction Stormwater Management Program, and <u>Part I.D.5.b.(x).(c)</u> - According to the schedule presented in Table 3, the permittee must: A. Report the no. of MS4-owned properties and infrastructure that have been retrofitted with control measures designed to control the frequency, volume, and peak intensity of stormwater discharges. B. As required in Part I.D.5.b.(vi), report the tabulated results for IA & DCIA and its estimation methodology.	<u>Part I.D.5.b.(ix)</u> - AMAFCA will update the SWMP as necessary to comply with the permit elements listed above as well as the citations and descriptions of design standards for structural and non-structural controls to control pollutants in stormwater runoff, including discussion of the methodology used during design for estimating impacts to water quality and selecting structural and non-structural controls. <u>Part I.D.5.b.(x).(a)</u> - AMAFCA tracks all crew activity related to maintenance of all water quality structures. A summary of the information will be included in each Annual Report. <u>Part I.D.5.b.(x).(b)</u> - AMAFCA does not have any development or redevelopment projects - all AMAFCA projects are regional flood control or water quality projects. AMAFCA will develop a cumulative listing of the annual modifications made to the Post-Construction Stormwater Management Program. <u>Part I.D.5.b.(x).(c).A</u> - AMAFCA will report on properties and infrastructure within AMAFCA rights-of-way that have been retrofitted with control measures designed to control frequency, volume and peak intensity of stormwater discharges. <u>Part I.D.5.b.(x).(c).B</u> - AMAFCA will estimate the Impervious Area (IA) and Directly Connected Impervious Area (DCIA) within AMAFCA's jurisdiction and/or rights of way (refer to ID 66).	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> • AMAFCA will update the SWMP as necessary to comply with the permit elements listed above. • AMAFCA will continue to annually inspect and track all crew activity related to maintenance of all AMAFCA owned water quality structures. A summary of the information will be included in each Annual Report. • AMAFCA will develop a cumulative listing of the annual modifications made to the Post-Construction Stormwater Management Program. • AMAFCA will include a cumulative list of retrofitted AMAFCA facilities in each Annual Report. • AMAFCA will estimate the IA and DCIA within AMAFCA's jurisdiction and/or rights of way. This will be done annually as part of the Annual Report preparation. This will be a cooperative effort with other watershed MS4s (refer to ID 68).	<b>Met FY 2020 Goals.</b> • MS4 Permit Cumulative List (Dec. 2014 through June 2020): a cumulative listing of AMAFCA's properties & infrastructure that have been retrofitted, during the current MS4 Permit term, with control measures designed to control frequency, volume and peak intensity of stormwater discharges: NDC Outfall Grade Control Structure, Piedras Marcadas Dam Outfall Water Quality project, Pond 187 Pond Outfall project, Pond 187A/Conveyance project, Ladera Dam 8 Ported Outlet, Tijeras Arroyo Sediment Removal System, I-40 West Phase IV Channel Improvements, Kirtland Drainage project, Calabacillas GCS 1A1, 2nd Street Improvement project, Black Mesa Dam Outlet projects, Lower Bear Tributary, Valle de Oro Outfall Structure, and 21 water quality facilities required by the Development Review Engineer. In addition, several BMPs were constructed under the Area and Agency Wide contract and Miscellaneous contract activities, including Ladera Dam 6 Ported Outlet, Swinburne Dam Water Quality Structure, Domingo Baca Water Quality Structure, and Piedras Marcadas Plunge Pool.



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2.12	81	Enhance the program to include the elements in <u>Part I.D.5.b.(xi)</u> and <u>Part I.D.5.a.(xii)</u> . These include: <u>Part I.D.5.b.(xi)</u> - Use of stormwater educational materials; and <u>Part I.D.5.b.(xii)</u> - When choosing appropriate BMPs, the permittee may participate in locally-based watershed planning efforts, which attempt to involve a diverse group of stakeholders including interested citizens. and <u>Part I.D.5.b.(xiii)</u> - The permittee may incorporate the following elements in the Post-Construction Stormwater Management in New Development and Redevelopment program required in Part I.D.5.b.(ii)(b): (a) Provide requirements and standards to direct growth to identified areas to protect environmentally and ecologically sensitive areas such as floodplains and/or other areas with endangered species and historic properties concerns; (b) Include requirements to maintain and/or increase open space/buffers along sensitive water bodies, minimize impervious surfaces, and minimize disturbance of soils and vegetation; and (c) Encourage in fill development in higher density urban areas, and areas with existing storm sewer infrastructure.	<u>Part I.D.5.b.(xi)</u> - As part of the MRGSQT, AMAFCA will continue to use stormwater educational materials, either developed locally or provided by EPA, NMED environmental groups, public interest groups, trade organizations, and/or other MS4 as well as utilizing the MRGSQT. <u>Part I.D.5.b.(xii)</u> - AMAFCA will continue to participate in the watershed-planning efforts with other MS4s in order to publish the AMAFCA Project Schedule biennially. AMAFCA will continue membership and involvement in the cooperative MS4 TAG, which will facilitate cooperation and coordination with other MS4s in the Middle Rio Grande watershed. <u>Part I.D.5.b.(xiii)</u> - These program enhancements are outside the AMAFCA's authority and mission. However, AMAFCA will cooperate with other watershed MS4s, as applicable, to support this program enhancement.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> • AMAFCA will continue to contribute and participate in the MRGSQT. AMAFCA will also include the MRGSQT Outcomes Report in each Annual Report which will summarize the activities where educational materials were dispersed and shared with the public. • AMAFCA will continue to invite all MS4s to the series of meetings for project planning of infrastructure retrofitting. AMAFCA will continue to produce and publish the AMAFCA Project Schedule for CY 2016 and every other year thereafter. • AMAFCA will continue membership and involvement in the cooperative MS4 Technical Advisory Group (MS4 TAG) which will facilitate cooperation and coordination with other MS4s in the Middle Rio Grande.	Met FY 2020 Goals.
2.13	82	Item from MS4 Permit NOI. Describe other proposed activities to address the Post-Construction Stormwater Management in New Development and Redevelopment Measure.	Because AMAFCA is a flood control authority, the legal authority and jurisdiction granted to it by the State of New Mexico is limited. AMAFCA has begun requiring, and will continue to require, MS4 permit elements into construction contracts.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> • AMAFCA will continue, as appropriate, to insert MS4 Permit elements into construction contracts to provide AMAFCA with a contractual mechanism for MS4 elements.	Met FY 2020 Goals.

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<b>TABLE 4: Pollution Prevention/Good Housekeeping for Municipal/Co-permittee Operations - Part I.D.5.c</b>					
3.1	84	Develop or update the Pollution Prevention/Good Housekeeping program to include the elements in Part I.D.5.c.(i). Elements include: <u>Part I.D.5.c.(i).(a)</u> - Employee training program to incorporate pollution prevention and good housekeeping, including a tracking procedure; <u>Part I.D.5.c.(i).(b)</u> - O&M activities, schedules, and long term inspections procedures for structural and non-structural stormwater controls; <u>Part I.D.5.c.(i).(c)</u> - Controls for reducing or eliminating the discharge of pollutants from AMAFCA maintenance and storage yards and shop; <u>Part I.D.5.c.(i).(d)</u> - Procedures for properly disposing of waste removed from separate storm sewers and facilities listed in Part I.D.5.c.(i).(c) (such as dredged spoil, accumulated sediments, floatables, and other debris); <u>Part I.D.5.c.(i).(e)</u> - Procedures to ensure that new flood management projects assess the impacts on water quality and examine existing projects for incorporating additional water quality protection devices or practices.	<u>Part I.D.5.c.(i)</u> - AMAFCA will continue its Pollution Prevention/Good Housekeeping Program. <u>Part I.D.5.c.(i).(a)</u> - AMAFCA will continue employee training to incorporate pollution prevention and good housekeeping; <u>Part I.D.5.c.(i).(b)</u> - AMAFCA will adhere to its current O&M Manuals and the Safety Manual, which include employee training, for maintenance of AMAFCA flood control and water quality facilities and BMPs. AMAFCA will perform inspections and maintenance in accordance with the "AMAFCA Operations and Maintenance Manual for Dams", the "AMAFCA Operations and Maintenance Repair Replacement and Rehabilitation Manual", and the "Project Operations", "Project Maintenance", and "Project Inspections" Plan No. 7 documents; <u>Part I.D.5.c.(i).(c)</u> - AMAFCA will implement and maintain controls for reducing the discharge of pollutants from AMAFCA maintenance and storage yards and shop; <u>Part I.D.5.c.(i).(d)</u> - AMAFCA will develop procedures for properly disposing of waste removed from AMAFCA facilities (sediment, floatables, and other debris); <u>Part I.D.5.c.(i).(e)</u> - AMAFCA ensures that new projects will assess the impacts on water quality and existing projects will be examined for retrofit opportunities as part of AMAFCA's Post Construction Control Measure.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> • AMAFCA will document training provided to its employees & include pollution prevention and good housekeeping into training, as needed. • AMAFCA encourages that crew members are trained in spill prevention & control, as well as truck fueling activities during the Permit term. • AMAFCA will adhere to its current O&M Manuals, the Safety Manual, & Plan No. 7 documents, which include procedures, instructions, and record keeping requirements for AMAFCA flood control, water quality facilities, and BMPs. • In the Annual Report, AMAFCA will provide estimated costs for the maintenance of its stormwater quality facilities. • AMAFCA will continue development of this program element in its MS4 Strategies and Procedures Notebook. This will address stormwater controls for AMAFCA's yard and standard operating procedures, as applicable, for disposal activities. • AMAFCA will review new projects to assess the impacts on water quality and will examine existing projects for retrofit opportunities as part of AMAFCA's Post Construction Control Measure.	<b>Met FY 2020 Goals.</b>
3.2	85	The program will include the elements in Part I.D.5.c.(ii). These include: <u>Part I.D.5.c.(ii).(a)</u> - Develop or update the existing list of all stormwater quality facilities by drainage basin, including location and description;	<u>Part I.D.5.c.(ii).(a)</u> - As part of the Program, AMAFCA will continue to up-date a list annually of all stormwater quality facilities by drainage basin, including location and description.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> • AMAFCA will continue to up-date a list annually of all AMAFCA stormwater quality facilities by drainage basin, including location and description.	<b>Met FY 2020 Goal.</b>
3.2	86	<u>Part I.D.5.c.(ii).(b)</u> - Develop or modify existing operational manual for de-icing activities addressing alternate materials and methods to control impacts to stormwater quality;	<u>Part I.D.5.c.(ii).(b)</u> - N/A - AMAFCA only has jurisdiction to maintain its facilities; AMAFCA does not engage in the following: de-icing, roadway debris control, street sweeping, or roadway pollutant removal.	N/A	N/A
3.2 & 3.4	87	<u>Part I.D.5.c.(ii).(c)</u> - Develop or modify existing program to control pollution in stormwater runoff from equipment and vehicle maintenance yards and maintenance center operations located within the MS4;	<u>Part I.D.5.c.(ii).(c)</u> - For compliance with this section of the MS4 Permit, AMAFCA's focus is to evaluate and modify, where necessary, the existing program to control pollution in stormwater runoff from AMAFCA's equipment and vehicle maintenance yard and satellite facilities.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> • AMAFCA will continue to implement and maintain the recommended administrative and structural BMPs, as appropriate, from the Good Housekeeping Inspection Reports for AMAFCA facilities. • AMAFCA will continue development of this program element in its MS4 Strategies and Procedures Notebook.	<b>Met FY 2020 Goals.</b>

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3.2	88	<u>Part I.D.5.c.(ii).(d)</u> - Develop or modify existing street sweeping program. Assess possible benefits from changing frequency or timing of sweeping activities or utilizing different equipment for sweeping activities;	<u>Part I.D.5.c.(ii).(d)</u> - N/A - AMAFCA only has jurisdiction to maintain its facilities; AMAFCA does not engage in the following: de-icing, roadway debris control, street sweeping, or roadway pollutant removal.	N/A	N/A
3.2	89	<u>Part I.D.5.c.(ii).(e)</u> - A description of procedures used by permittees to target roadway areas most likely to contribute pollutants to and from the MS4 (i.e., runoff discharges directly to sensitive receiving water, roadway receives majority of de-icing material, roadway receives excess litter, roadway receives greater loads of oil and grease);	<u>Part I.D.5.c.(ii).(e)</u> - AMAFCA only has jurisdiction to maintain its facilities; AMAFCA does not engage in the following: de-icing, roadway debris control, street sweeping, or roadway pollutant removal. AMAFCA will continue coordination, as applicable, with other MS4s in the watershed related to illicit discharge detection and elimination from roadways - refer to the Illicit Discharges and Improper Disposal Control Measure.	N/A	N/A
3.2	90	<u>Part I.D.5.c.(ii).(f)</u> - Develop or revise existing standard operating procedures for collection of used motor vehicle fluids (at a minimum oil and antifreeze) and toxics (including paint, solvents, fertilizers, pesticides, herbicides, and other hazardous materials) used in permittee operations or discarded in the MS4, for recycle, reuse, or proper disposal.	<u>Part I.D.5.c.(ii).(f)</u> - For compliance with this section of the MS4 Permit, AMAFCA's focus is to evaluate and modify, where necessary, the existing program to control pollution in stormwater runoff from the equipment and vehicle maintenance yard.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> <ul style="list-style-type: none"><li>• AMAFCA will maintain the existing program to control polluted stormwater runoff from its equipment and maintenance yard.</li><li>• AMAFCA will continue to implement and maintain the recommended BMPs, as appropriate, from the Good Housekeeping Inspection Report for AMAFCA facilities.</li><li>• AMAFCA will continue development of this program element in its MS4 Strategies and Procedures Notebook.</li></ul>	Met FY 2020 Goals.
3.2	91	<u>Part I.D.5.c.(ii).(g)</u> - Standard operating procedure for disposal of accumulated sediments, floatables, and debris;	<u>Part I.D.5.c.(ii).(g)</u> - AMAFCA performs waste disposal for sediment, floatables, and other debris in accordance with the "AMAFCA Operations and Maintenance Manual for Dams" and "AMAFCA Operation and Maintenance Repair Replacement and Rehabilitation Manual" (OMRRR). As a cooperative program, AMAFCA is a participant in an OMRRR with Bernalillo County, the MRGCD, and the Bureau of Reclamation related to facilities that are connected to MRGCD ditches (primarily in the SW Valley of Albuquerque).	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> <ul style="list-style-type: none"><li>• Continue to perform all waste disposal for sediment, floatables, and other debris in accordance with the operation and maintenance manuals and direct vendor contractors to collect and dispose of trash, floatables, and debris.</li><li>• AMAFCA will develop standard operating procedures, as applicable, for these disposal activities and include them in the program's MS4 Strategies and Procedures Notebook section.</li><li>• AMAFCA will continue to participate in the Operation Maintenance Repair, Replacement, and Rehabilitation (OMRRR) - Southwest Valley Flood Reduction Project cooperative program with MRGCD, Bernalillo County, and Bureau of Reclamation.</li></ul>	Met FY 2020 Goals.
3.2	92	<u>Part I.D.5.c.(ii).(h)</u> - litter source control program, include targeted public awareness campaign;	<u>Part I.D.5.c.(ii).(h)</u> - Through involvement in the MRGSQT, AMAFCA will continue to collaborate with the MS4 permittees to improve upon the existing litter source control program, including a targeted public awareness campaign.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> <ul style="list-style-type: none"><li>• AMAFCA will continue its involvement with and financial support of the MRGSQT.</li><li>• AMAFCA will continue to collaborate with the MS4 permittees to improve upon the existing litter source control program.</li><li>• The MRGSQT Outcomes Report will be submitted in the Annual Report.</li></ul>	Met FY 2020 Goals.

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3.2	93	<u>Part I.D.5.c.(ii).(i)</u> - Develop or review and revise, as necessary, the criteria, procedures and schedule to evaluate existing flood control devices, structures and drainage ways to assess the potential of retrofitting to provide additional pollutant removal from stormwater. Implement routine review to ensure new and/or innovative practices are implemented where applicable.	<u>Part I.D.5.c.(ii).(i)</u> - AMAFCA will continue to meet with area MS4s to discuss areas requiring drainage and water quality retrofits, project priorities, and multi-agency funding. AMAFCA will publish projects, including schedule and cost sharing, in the biennial AMAFCA Project Schedule.  Operation and Maintenance procedures, inspections, repairs, and retrofits are evaluated through the annual cooperative Agency and Area Wide and Miscellaneous contracts.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> • AMAFCA will continue to meet with watershed MS4s, other agencies, and private developers within its jurisdiction to discuss the areas requiring drainage and water quality retrofitting within the Middle Rio Grande Watershed, project priorities, and multi-agency funding contributions. AMAFCA will continue to produce and publish the biennial AMAFCA Project Schedule, which includes projects for retrofitting existing flood control devices, structures and drainage ways to provide additional pollutant removal from stormwater. • AMAFCA will continue to participate in the cooperative Agency and Area Wide contract and utilize the Miscellaneous contract to address rehabilitation, repair, and retrofit activities for AMAFCA structures.	Met FY 2020 Goals.
3.2	94	<u>Part I.D.5.c.(ii).(j)</u> - Enhance inspection and maintenance programs by coordinating with maintenance personnel to ensure that a target number of structures per basin are inspected and maintained per quarter;	<u>Part I.D.5.c.(ii).(j)</u> - AMAFCA has in place a well-defined and implemented routine inspection and O&M program that includes both formal and informal inspections and maintenance schedules. This program will be enhanced to ensure a target number of structures per basin are inspected and maintained per quarter, as required by the MS4 Permit, for annual compliance with the MS4 Permit.  AMAFCA will enhance its inspection and maintenance programs, as required by the MS4 Permit, through improved coordination with the Stormwater Quality Engineer, Field Engineer, Maintenance Superintendent, and AMAFCA Maintenance Crew. AMAFCA will, depending on funding available, utilize the Agency and Area Wide and Miscellaneous contracts to address portions of the required inspection and maintenance.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> • AMAFCA will continue coordination between maintenance personnel and staff to ensure that, on average, two (2) structures per basin are inspected and maintained per quarter. • AMAFCA will, depending on funding available, utilize the Agency and Area Wide and Miscellaneous contracts to address portions of the required inspection and maintenance.	Met FY 2020 Goals.
3.2	95	<u>Part I.D.5.c.(ii).(k)</u> - Enhance the existing program to control the discharge of floatables and trash from the MS4 by implementing source control of floatables in industrial and commercial areas;	<u>Part I.D.5.c.(ii).(k)</u> - AMAFCA does not have jurisdiction over industrial and commercial areas in the MS4. AMAFCA will continue coordination with the MRG MS4s, as well as involvement with the MRGSQT and the MS4 TAG, to enhance the program to control the discharge of floatables and trash from the MS4 by implementing source control of floatables in industrial and commercial areas.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> • AMAFCA will continue its involvement with and financial support of the MRGSQT. • AMAFCA will continue to collaborate with the MS4 permittees to improve upon the source control of floatables in industrial and commercial areas. • AMAFCA will continue membership and involvement in the cooperative MS4 TAG.	Met FY 2020 Goals.
3.2	96	<u>Part I.D.5.c.(ii).(l)</u> - Include in each Annual Report, a cumulative summary of retrofit evaluations conducted during the permit term on existing flood control devices, structures and drainage ways to benefit water quality. Update the SWMP to include a schedule (with priorities) for identified retrofit projects;	<u>Part I.D.5.c.(ii).(l)</u> - AMAFCA will continue to meet with area MS4s to discuss areas requiring drainage and water quality retrofits, project priorities, and multi-agency funding. As part of the development of the AMAFCA Project Schedule, a system review will be completed. AMAFCA will publish projects, including schedule and cost sharing, in the biennial AMAFCA Project Schedule. Using the Project Schedule process, water quality projects and water quality retrofit projects will be ranked and prioritized.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> • Include a cumulative list of retrofitted AMAFCA facilities in each Annual Report - refer to the Post-Construction Control Measure. • AMAFCA will continue including facility evaluations as part of AMAFCA studies, including drainage management plans, facility plans, and other analysis projects, as appropriate. • AMAFCA will continue to include BMP/water quality facility retrofit projects in the biennial Project Schedule.	Met FY 2020 Goals.

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3.2	97	<p><u>Part I.D.5.c.(ii).(m)</u> - Flood management projects: review and revise, as necessary, technical criteria guidance documents and program for the assessment of water quality impacts and incorporation of water quality controls into future flood control projects. The criteria guidance document must include the following elements:</p> <p><u>Part I.D.5.c.(ii).(m).A.</u> - Describe how new flood control projects are assessed for water quality impacts.</p> <p><u>Part I.D.5.c.(ii).(m).B.</u> - Provide citations and descriptions of design standards that ensure water quality controls are incorporated in future flood control projects.</p> <p><u>Part I.D.5.c.(ii).(m).C.</u> - Include method for permittees to update standards with new and/or innovative practices.</p> <p><u>Part I.D.5.c.(ii).(m).D.</u> - Describe master planning and project planning procedures and design review procedures.</p>	<p><u>Part I.D.5.c.(ii).(m).A.</u> - AMAFCA, through its processes, will assess new flood control projects for water quality impacts. As new flood control projects are constructed, AMAFCA will consider the appropriate time and location for the collection of water quality data to assess project water quality impacts. During facility planning, AMAFCA will adhere to current and future drainage and water quality management plans passed by the AMAFCA Board of Directors, Bernalillo County Commission, or Albuquerque City Council. AMAFCA will continue its proactive policy of incorporating stormwater quality BMPs into new flood control projects when feasible. AMAFCA will publish projects, including schedule and cost sharing, in the biennial AMAFCA Project Schedule. Using the Project Schedule process, water quality projects and water quality retrofit projects will be ranked and prioritized.</p> <p><u>Part I.D.5.c.(ii).(m).B.</u> - AMAFCA is assessing the use of National design standards related to water quality controls.</p> <p><u>Part I.D.5.c.(ii).(m).C.</u> - AMAFCA will continually assess design standards and practices, technical specifications, and BMPs and implement them, as applicable.</p> <p><u>Part I.D.5.c.(ii).(m).D.</u> - AMAFCA has established procedures for master planning through its Drainage Master Plan development, project planning procedures using its Project Schedule, and design review procedures used by its Development Review Engineer.</p>	<p><b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b></p> <ul style="list-style-type: none"> <li>• AMAFCA has all of the elements of the Technical Criteria Guidance Document as part of their various programs but not as part of one document. Many of these elements are done in cooperation with watershed MS4s.</li> <li>• AMAFCA's Project Schedule process includes coordination meetings with watershed MS4s, TAG members, and other entities and includes the ranking of flood control and stormwater quality projects.</li> <li>• AMAFCA is assessing the use of National design standards related to water quality controls.</li> <li>• AMAFCA will continually assess design standards and practices and implementing them, as applicable.</li> <li>• AMAFCA will continue to follow its established procedures for Drainage Master Plan development, project planning procedures using its Project Schedule, and design review procedures used by its Development Review Engineer.</li> </ul>	Met FY 2020 Goals.
3.2	98	<p><u>Part I.D.5.c.(ii).(n)</u> - Develop procedures to control the discharge of pollutants related to the storage and application of pesticides, herbicides, and fertilizers applied, by the permittee's employees or contractors, to public right-of-ways, parks, and other municipal property. The permittee must provide an updated description of the data monitoring system for all permittee departments utilizing pesticides, herbicides and fertilizers.</p>	<p><u>Part I.D.5.c.(ii).(n)</u> - AMAFCA will only allow licensed staff or professionally licensed contractors to apply herbicides within AMAFCA rights-of-way (AMAFCA does not apply pesticides or fertilizers in its operations). In addition, AMAFCA will review, as necessary, leases and licenses, to ensure wording is included addressing the control of discharge of pollutants related to the storage and application of pesticides, herbicides, and fertilizers applied by entities leasing or licensed to use AMAFCA lands. AMAFCA will develop a tracking system to monitor herbicide, pesticide (typically not used in AMAFCA operations), and fertilizer (typically not used in AMAFCA operations) applications within AMAFCA ROW. AMAFCA will store all herbicides according to direction by product vendors.</p>	<p><b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b></p> <ul style="list-style-type: none"> <li>• AMAFCA personnel will not apply pesticides or fertilizers in its operations.</li> <li>• AMAFCA will only allow professional licensed contractors or licensed crew members to apply herbicides within AMAFCA rights-of-way.</li> <li>• AMAFCA will be reviewing, as necessary, leases and licenses, to ensure wording is included addressing the control of discharge of pollutants related to the storage and application of pesticides, herbicides, and fertilizers applied by entities leasing or licensed to use AMAFCA lands.</li> <li>• AMAFCA will begin developing a tracking system to monitor herbicide, pesticide (typically not used in AMAFCA operations), and fertilizer (typically not used in AMAFCA operations) applications within AMAFCA ROW. This will be a cooperative effort with other watershed MS4s.</li> <li>• AMAFCA will store all herbicides according to direction by product vendors.</li> </ul>	Met FY 2020 Goals.
3.3	99	<p>Develop or update a list and a map of industrial facilities owned or operated by the permittee as required in <u>Part I.D.5.c.(iii)</u>.</p>	<p><u>Part I.D.5.c.(iii)</u> - N/A - No EPA Multi Sector General Permit (MSGP) facilities within AMAFCA rights-of-way. This has been discussed and confirmed with NMED. This was submitted to EPA in AMAFCA's NOI and accepted.</p>	N/A	N/A

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Not Included in NOI	100	<p>Update the SWMP document and annual report as required in I.D.5.c.(iv) and Part I.D.5.c.(v).</p> <p><u>Part I.D.5.c.(iv)</u> - The permittee must include in the SWMP a description of the mechanism(s) utilized to comply with each of the elements required in Part I.D.5.c.(i) throughout Part I.D.5.c.(iii) and its corresponding measurable goal. and</p> <p><u>Part I.D.5.c.(v)</u> - The permittee shall assess the overall success of the program, and document the program effectiveness in the Annual Report.</p>	<p><u>Part I.D.5.c.(iv)</u> - AMAFCA's Stormwater Quality Engineer will review the program requirements for the above-mentioned SWMP elements during the Annual Report process. The measurable goals in this section of the SWMP are the mechanisms used to comply with the Permit elements. A strategy to implement any new program requirements will be developed as needed.</p> <p><u>Part I.D.5.c.(v)</u> - AMAFCA will annually document the program effectiveness and program success in the Annual Report using a format that reports the status of implementation and performance assessment for each MS4 Permit requirement.</p>	<p><b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b></p> <ul style="list-style-type: none"> <li>• As part of the Annual Report process, the Stormwater Quality Engineer will review the program requirements listed in Part I.D.5.c, for the above-mentioned SWMP elements and develop a strategy to implement any new program requirements.</li> <li>• AMAFCA will document the program effectiveness and program success in the Annual Report using a format that reports the status of implementation and performance assessment for each MS4 Permit requirement.</li> </ul>	Met FY 2020 Goals.

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



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	103	<b>TABLE 6: Illicit Discharges and Improper Disposal - Part I.D.5.e</b>			
See NOI Sections Below	104	As described in <u>Part I.D.5.e.(i)</u> , the permittee shall develop, revise, implement, and enforce a program to detect and eliminate illicit discharges (as defined at 40 CFR 122.26(b)(2)) entering the MS4. Permittees previously covered under NMS000101 or NMR040000 must continue existing programs while updating those programs, as necessary, to comply with the requirements of this permit. The permittee must (see required items listed below):	<u>Part I.D.5.e.(i)</u> - AMAFCA has developed a program to detect and eliminate illicit discharges. The program elements, as they relate to the permit requirements, are described in detail below.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> <ul style="list-style-type: none"><li>• The AMAFCA Stormwater Quality Engineer will continue to review, revise, and implement the Illicit Discharge Detection and Elimination Program requirements, as needed.</li><li>• AMAFCA will continue to update the current written procedure for this program element as part of the MS4 Strategies and Procedures Notebook.</li><li>• AMAFCA is pursuing developing a formal cooperative program for this permit element.</li></ul>	Met FY 2020 Goals.
5.1	105	Mapping as required in <u>Part I.D.5.e.(i).(a)</u> . Develop, if not already completed, a storm sewer system map, showing the names and locations of all outfalls as well as the names and locations of all waters of the United States that receive discharge from those outfalls. Identify all discharge points into major drainage channels draining more than twenty (20) percent of the MS4 area;	<u>Part I.D.5.e.(i).(a)</u> - AMAFCA will continue to update its Maintenance Responsibilities for Drainage Facilities in the Albuquerque Metropolitan Area (Map). This is a color coded, detailed maintenance map showing all AMAFCA facilities (water quality BMPs, channels, large diameter storm drains, ponds, berms or dikes, dams, and receiving waters) and AMAFCA outfalls. AMAFCA cooperates with COA, NMDOT, Bernalillo County, SCAFCFA, Village of Los Ranchos, and MRGCD to collect their data for AMAFCA's map. This map is available on the AMAFCA website: <a href="http://www.amafca.org/maps-2/">http://www.amafca.org/maps-2/</a>	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> <ul style="list-style-type: none"><li>• AMAFCA will continue to keep this maintenance map up-to-date for AMAFCA facilities and other MS4 permittee facilities, as information is provided. Cooperation with other MS4s will continue related to this map.</li><li>• AMAFCA will continue to update the map and publish this map on-line.</li></ul>	Met FY 2020 Goals.
5.2	106	Ordinance (or other control method) as required in <u>Part I.D.5.e.(i)(b)</u> .	Because AMAFCA is a flood control authority, the legal authority and jurisdiction granted to it by the State of New Mexico is limited.  <u>Part I.D.5.e.(i)(b)</u> - AMAFCA will contractually and/or administratively require the control of non-stormwater discharges from third-party operations within AMAFCA's jurisdiction and/or rights of way to the extent allowable under State, Tribal, or local law.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> <ul style="list-style-type: none"><li>• AMAFCA will begin development of contractually and/or administratively requiring the control of non-stormwater discharges on turn-key projects that AMAFCA will take over for operation and maintenance after construction to the extent allowable under State, Tribal, or local law.</li></ul>	No Goal Required for FY 2020.
5.3	107	Develop and implement a IDDE plan as required in <u>Part I.D.5.e.(i).(c)</u> . The permittee must include the following elements in the plan: A. Procedures for locating priority areas likely to have illicit discharges including field tests for selected pollutant indicators (ammonia, boron, chlorine, color, conductivity, detergents, E. coli, enterococci, total coliform, fluoride, hardness, pH, potassium, conductivity, surfactants), and visually screening outfalls during dry weather; B. Procedures for enforcement, including enforcement escalation procedures for recalcitrant or repeat offenders; C. Procedures for removing the source of the discharge; D. Procedures for program evaluation and assessment; and E. Procedures for coordination with adjacent municipalities and/or state, tribal, or federal regulatory agencies to address situations where investigations indicate the illicit discharge originates outside the MS4 jurisdiction.	<u>Part I.D.5.e.(i).(c)</u> - AMAFCA will continue to assess its IDDE program, as appropriate. AMAFCA is pursuing developing a formal cooperative program for this Permit element.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> <ul style="list-style-type: none"><li>• AMAFCA will continue to implement the updated IDDE program elements.</li><li>• AMAFCA will continue membership and involvement in the cooperative MS4 Technical Advisory Group (MS4 TAG) which will facilitate cooperation and coordination with other MS4s in the Middle Rio Grande related to the IDDE program.</li><li>• AMAFCA will continue development of this program element in its MS4 Strategies and Procedures Notebook.</li><li>• AMAFCA is pursuing developing a formal cooperative program for this program element.</li></ul>	Met FY 2020 Goals.

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5.4	108	Develop an education program as required in <a href="#">Part I.D.5.e.(i).(d)</a> . Develop an education program to promote, publicize, and facilitate public reporting of illicit connections or discharges, and distribution of outreach materials. The permittee shall inform public employees, businesses and the general public of hazards associated with illegal discharges and improper disposal of waste.	<a href="#">Part I.D.5.e.(i).(d)</a> - AMAFCA will continue to participate in the MRGSQT and collaborate with the MS4 permittees to provide educational information regarding stormwater quality to the community. This information will promote, publicize, and facilitate public reporting of illicit connections or discharges, and distribution of outreach materials. This program informs the public of hazards associated with illicit discharges and improper waste disposal, as well as proper ways to dispose of hazardous wastes.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> <ul style="list-style-type: none"> <li>• AMAFCA will continue work with the MRGSQT to inform the general public of the hazards associated with illegal discharges and improper disposal of waste. This will include adding the 311 reporting number and a description of what items to report through this system to the KeeptheRioGrand.org website.</li> <li>• AMAFCA will continue its involvement with and financial support of BEMP and RiverXchange through the MRGSQT.</li> <li>• The MRGSQT Outcomes Report will be submitted in the Annual Report.</li> <li>• AMAFCA will continue an in-house training program for its administrative, engineering, and field employees regarding illegal discharges and improper disposal of waste.</li> </ul>	Met 2020 Goals.
5.5	109	Establish a hotline as required in <a href="#">Part I.D.5.e.(i).(e)</a> .	<a href="#">Part I.D.5.e.(i).(e)</a> - AMAFCA participates in a 311 Citizen Contact Center centralized call center. The 311 service is a single telephone number for all non-emergency inquiries and services. This program includes citizen calls regarding illicit discharges and notifies AMAFCA of such calls within its jurisdiction.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> <ul style="list-style-type: none"> <li>• AMAFCA will continue to participate in the 311 call in program as the information received from this hotline is integral to the IDDE program.</li> </ul>	Met FY 2020 Goal.
5.6	110	Investigate suspected significant/severe illicit discharges as required in <a href="#">Part I.D.5.e.(i).(f)</a> . Investigate suspected significant/severe illicit discharges within forty-eight (48) hours of detection and all other discharges as soon as practicable; elimination of such discharges as expeditiously as possible; and, requirement of immediate cessation of illicit discharges upon confirmation of responsible parties.  Illicit Discharge is defined in 40 CFR 122.26(b)(2) as "Illicit discharge means any discharge to a municipal separate storm sewer that is not composed entirely of stormwater except discharges pursuant to a NPDES permit (other than the NPDES permit for discharges from the municipal separate storm sewer) and discharges resulting from fire fighting activities."	<a href="#">Part I.D.5.e.(i).(f)</a> - AMAFCA will continue its policy of investigation of suspected significant/severe illicit discharges within forty-eight (48) hours of detection/reporting and all other discharges as soon as practicable. AMAFCA plans to continue removing/treating such discharges as expeditiously as possible and requiring immediate cessation of illicit discharges upon confirmation of responsible parties. AMAFCA will continue its procedures for illicit discharge investigation and use of its IDDE Incident Report Form.  "Illicit discharge" also covers illegal or improper disposal or dumping of wastes into AMAFCA facilities. For AMAFCA, "illicit discharges" typically fall into two categories: (1) liquid discharge, or (2) solid discharge (dumped trash, debris, dirt/sediment, tires). Liquid discharges are considered urgent in order to quickly determine if they are significant/severe illicit discharges and are investigated within forty-eight (48) hours of detection. Solid discharge are investigated and identified for clean-up during the weekly staff meetings.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> <ul style="list-style-type: none"> <li>• AMAFCA will continue its policy of investigation of suspected significant/severe illicit discharges within 48 hours of detection and all other discharges as soon as practicable.</li> <li>• AMAFCA will continue investigation and documentation of all applicable illicit discharge complaints (using its IDDE Incident Report Form) received through the 311 call in program, as well as other complaints received directly by AMAFCA staff through e-mail, phone, or observation. The 311 complaints that are not in AMAFCA's jurisdiction are directed to the jurisdictional agency.</li> <li>• AMAFCA will continue membership and involvement in the cooperative MS4 Technical Advisory Group (MS4 TAG) which will facilitate cooperation and coordination with other MS4s in the Middle Rio Grande related to investigation of illicit discharges.</li> <li>• AMAFCA will continue development of this program element in its MS4 Strategies and Procedures Notebook.</li> </ul>	Met FY 2020 Goals.

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5.7	111	Review complaint records and develop a targeted source reduction program as required in <u>Part I.D.5.e.(i).(g)</u> . Review complaint records for the last permit term and develop a targeted source reduction program for those illicit discharge /improper disposal incidents that have occurred more than twice in two (2) or more years from different locations.	<u>Part I.D.5.e.(i).(g)</u> - AMAFCA will continue its policy of reviewing complaint records. In addition, complaint records that are determined to be illicit discharges will be added to the AMAFCA GIS database. The location, date, type of illicit discharge, and source (if known) will be documented. This database was developed in 2014 and updated annually with illicit discharge information during the review of the complaint records. To meet the Permit requirements in Table 1.a (Part I.C.2), regarding discharges to impaired waters with a TMDL (E. coli), AMAFCA's review of complaint records will include a focus on illicit discharges contributing bacteria to the MS4. AMAFCA will develop a targeted source reduction program for those illicit discharge/improper disposal incidents that have occurred more than twice in 2 or more years from different locations. AMAFCA coordinates with COA and the Albuquerque Bernalillo Water Utility Authority (ABCWUA) for notification of illicit discharges.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> <ul style="list-style-type: none"> <li>• AMAFCA will continue its policy of reviewing complaint records. This will include a focus on illicit discharges contributing bacteria to the MS4.</li> <li>• Annually, AMAFCA will reevaluate its targeted source reduction program. Potential future targets will be determined and cooperative efforts for targeted source reduction programs with MRGSQT members will be considered.</li> <li>• AMAFCA will continue adding illicit discharge complaint records for the permit term to the AMAFCA GIS database to help identify sources and trends.</li> <li>• AMAFCA will continue development of this program element in its MS4 Strategies and Procedures Notebook.</li> <li>• AMAFCA will continue coordination with other agencies for this program element.</li> </ul>	Met FY 2020 Goals.
Not Included in NOI	112	As required in <u>Part I.D.5.e.(ii)</u> , the permittee shall address the following categories of non-stormwater discharges or flows (e.g., illicit discharges) only if they are identified as significant contributors of pollutants to the MS4: water line flushing, landscape irrigation, diverted stream flows, rising ground waters, uncontaminated ground water infiltration (as defined at 40 CFR 35.2005(90)), uncontaminated pumped ground water, discharges from potable water sources, foundation drains, air conditioning condensation, irrigation water, springs, water from crawl space pumps, footing drains, lawn watering, individual residential car washing, flows from riparian habitats and wetlands, dechlorinated swimming pool discharges, and street wash water. Note: Discharges or flows from fire fighting activities are excluded from the effective prohibitions against non-stormwater and need only be addressed where they are identified a significant sources of pollutants to water of the United States).	<u>Part I.D.5.e.(ii)</u> - Any such discharge that is identified as a significant contributor of pollutants to the AMAFCA MS4, or is causing or contributing to a water quality standards violation, will be addressed as an illicit discharge pursuant to Part I.D.5.e of the MS4 Permit. The Permit lists authorized non-stormwater discharges in Part I.D.5.e.(ii). Many of these authorized non-stormwater discharges are not applicable to AMAFCA and none of these discharges are expected to be significant contributors of pollutants to the MS4. The AMAFCA Stormwater Quality Engineer will continue coordination & communication with ABCWUA regarding well flushing schedules and waterline breaks to ensure that AMAFCA is aware of authorized non-stormwater discharges into its facilities.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> <ul style="list-style-type: none"> <li>• The AMAFCA Stormwater Quality Engineer will review this list annually to check that the categories of authorized non-stormwater discharges are still not considered significant contributors of pollutants to the MS4.</li> <li>• The AMAFCA Stormwater Quality Engineer will communicate with ABCWUA regarding well flushing schedules and waterline breaks to ensure that AMAFCA is aware of authorized non-stormwater discharges into its facilities.</li> </ul>	Met FY 2020 Goals.

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5.8	113	As required in <u>Part I.D.5.e.(iii)</u> , the permittee must screen the entire jurisdiction at least once every five (5) years and high priority areas at least once every year. High priority areas include any area where there is ongoing evidence of illicit discharges or dumping, or where there are citizen complaints on more than five (5) separate events within twelve (12) months. The permittee must: (a) Include in its SWMP document a description of the means, methods, quality assurance and controls protocols, and schedule for successfully implementing the required screening, field monitoring, laboratory analysis, investigations, and analysis evaluation of data collected. (b) Comply with the dry weather screening program established in Table 6 and the monitoring requirements specified in Part III.A.2. (c) If applicable, implement the priority ranking system developed in previous permit term.	AMAFCA will continue to make progress with its IDDE activities and program. Much of this effort may be in coordination with MS4 permittees COA, Bernalillo County, and NMDOT, as the AMAFCA facilities are stormwater collectors for the basins that are primarily controlled by other MS4 programs, rules, and regulations. <u>Part I.D.5.e.(ii).(a)</u> - IDDE screening methods and protocols for implementing the required screening, field monitoring, laboratory analysis, investigations, and analysis evaluation of data collected has been developed. AMAFCA has in place a well-defined and implemented routine inspection and O&M program that includes both formal and informal inspections. These O&M inspections are part of the IDDE screening program. <u>Part I.D.5.e.(ii).(b)</u> - AMAFCA screening procedures and protocols will comply with the dry weather screening program monitoring requirements specified in Part III.A.2 of the MS4 Permit. COA and AMAFCA have a cooperative dry weather screening program. In addition, as part of AMAFCA's Levellogger monitoring, AMAFCA screens all inlets to the NDC on AMAFCA ROW monthly. <u>Part I.D.5.e.(ii).(c)</u> - For AMAFCA, facility screening is part of AMAFCA's routine O&M activities. All areas are screened and there are no high priority areas.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> • AMAFCA has developed screening procedures, protocols, and plan. • AMAFCA will continue routine inspections through its O&M program, including both formal and informal inspections. These O&M inspections are part of the IDDE screening program. • As a cooperative program, COA will continue to perform dry weather screening. • AMAFCA will screen major channelized inlets to the NDC on AMAFCA ROW monthly through its Levellogger monitoring program. • AMAFCA will continue membership and involvement in the cooperative MRGSQT and TAG, which will facilitate cooperation and coordination with other MS4s in the Middle Rio Grande related to screening for illicit discharges.	Met FY 2020 Goals.
5.9	114	Develop, update, and implement a Waste Collection Program as required in <u>Part I.D.5.e.(iv)</u> .	<u>Part I.D.5.e.(iv)</u> - Activity removed from AMAFCA's SWMP. Public waste collection is the responsibility of the municipalities. AMAFCA does not have the jurisdictional authority to perform these activities. AMAFCA will continue to regularly collect waste within its rights-of-way. This was submitted to EPA in AMAFCA's NOI and accepted.	N/A	N/A
5.10	115	Develop, update and implement a Spill Prevention and Response program to prevent, contain, and respond to spills that may discharge into the MS4 as required in <u>Part I.D.5.e.(v)</u> . The Spill Prevention and Response program shall include: (a) Where discharge of material resulting from a spill is necessary to prevent loss of life, personal injury, or severe property damage, the permittee(s) shall take, or ensure the party responsible for the spill takes, all reasonable steps to control or prevent any adverse effects to human health or the environment: and (b) The spill response program may include a combination of spill response actions by the permittee (and/or another public or private entity), and legal requirements for private entities within the permittee's municipal jurisdiction.	<u>Part I.D.5.e.(v)</u> - AMAFCA will continue its Spill Prevention and Response program. This program element relates to Illicit Discharge, reporting requirements, crew training, spill response materials on hand (in maintenance vehicles), and good housekeeping. For AMAFCA facilities, AMAFCA encourages that crew members are trained in spill prevention and control (refer to Pollution Prevention/Good Housekeeping Control Measure).	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> • AMAFCA will continue development of its cooperative Spill Response Program with agency partners and as part of its MS4 Strategies and Procedures Notebook. • AMAFCA encourages that crew members are trained in spill prevention and control (refer to Pollution Prevention/Good Housekeeping Control Measure). • AMAFCA will continue membership and involvement in the cooperative MS4 TAG and the MRGSQT, which will facilitate cooperation and coordination with other MS4s in the Middle Rio Grande related to spill prevention and response.	Met FY 2020 Goals.

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Not Included in NOI	116	<u>Part I.D.5.e.(vi)</u> - The permittee must include in the SWMP a description of the mechanism(s) utilized to comply with each of the elements required in Part I.D.5.e.(i) throughout Part I.D.5.e.(v) and its corresponding measurable goal. A description of the means, methods, quality assurance and controls protocols, and schedule for successfully implementing the required screening, field monitoring, laboratory analysis, investigations, and analysis evaluation of data collected; and <u>Part I.D.5.e.(vii)</u> - The permittee shall assess the overall success of the program, and document the program effectiveness in the Annual Report.	<u>Part I.D.5.e.(vi)</u> - AMAFCA's Stormwater Quality Engineer will review the program requirements listed for the above-mentioned program elements, during the Annual Report process. A review of the screening completed and the data collected, if any, will be included in the Annual Report. A strategy to implement any new program requirements will be developed as needed. AMAFCA will maintain and update, as necessary, its MS4 Strategies and Procedures Notebook for this MS4 Program. <u>Part I.D.5.e.(vii)</u> - AMAFCA will annually document the program effectiveness and program success in the Annual Report through use of an Annual Report format that reports the status of implementation and performance assessment for each MS4 Permit requirement.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> • As part of the Annual Report process each year, the Stormwater Quality Engineer will review the program requirements listed in Part I.D.5.e, for the above-mentioned SWMP elements, and develop a strategy, if applicable, to implement any new program requirements. • AMAFCA will include documentation of screening completed and monitoring data collected, if any, will be included in the Annual Report. • AMAFCA will annually document the program effectiveness and program success in the Annual Report through use of an Annual Report format that reports the status of implementation and performance assessment for each MS4 Permit requirement.	<b>Met FY 2020 Goals.</b>
5.11	117	Enhance the program to include requirements in <u>Part I.D.5.e.(ix)</u> . The permittee may: (a) Divide the jurisdiction into assessment areas where monitoring at fewer locations still provides sufficient information; (b) Downgrade high priority areas after the area has been screened at least once and there are citizen complaints on no more than 5 separate events within a 12 month period; (c) Rely on a cooperative program with other MS4s for detection and elimination of illicit discharges and illegal dumping; (d) If cooperative program, required detection program frequencies may be based on the combined jurisdictional area rather than individual jurisdictional areas to reduce total number of screening locations; (e) After screening a non-high priority area once, adopt an "in response to complaints only" IDDE for that area (no more than 2 separate events within a 12 month period); (f) Enhance the program to utilize methodologies consistent with those described in "Illicit Discharge Detection and Elimination, A Guidance Manual for Program Development and Technical Assessments."	<u>Part I.D.5.e.(ix)(a)</u> - AMAFCA is developing rating curves, installing Levelloggers, and installing rainfall gauges for the NDC watershed to better understand runoff and evaluate monitoring locations. An upcoming Telemetry project will add screening capabilities for other outfalls. <u>Part I.D.5.e.(ix)(b)</u> - This enhancement may be considered and included in the future. <u>Part I.D.5.e.(ix)(c)</u> - AMAFCA currently coordinates with COA, Bernalillo County, NMDOT, and the ABCWUA for notification of illicit discharges. AMAFCA will continue to pursue developing similar cooperative coordination with other agencies. <u>Part I.D.5.e.(ix)(d) and (e)</u> - These cooperative elements may be considered in the future. <u>Part I.D.5.e.(ix)(f)</u> - AMAFCA had a consultant evaluate the AMAFCA IDDE program and develop recommendations for improving the program in order to comply with the MS4 Permit. The report included evaluating the procedures and methodologies described in "IDDE, A Guidance Manual for Program Development and Technical Assessments", for incorporation into AMAFCA's IDDE program. AMAFCA will continue to implement recommendations from this report, as appropriate.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> • AMAFCA will annually document progress made with these program enhancement activities.	<b>Met FY 2020 Goals.</b> • In FY 2020, AMAFCA continued monitoring water Levelloggers to better understand runoff and evaluate monitoring locations and needs. Monthly, throughout FY 2020, the Levelloggers were monitored in the field and this allowed for additional dry weather/IDDE screening.
5.12	118	Item from MS4 Permit NOI. Describe other proposed activities to address the Illicit Discharges and Improper Disposal Measure.	AMAFCA will continue to utilize the Annual Report process as a means to perform a self-audit with the goal to improve its MS4 Programs.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> • AMAFCA will annually document progress made, if any, related to the Annual Report process as a means to perform a self-audit on the MS4 Program elements.	<b>Met FY 2020 Goal.</b>

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	119	<b>TABLE 7: Control of Floatables Discharges - Part I.D.5.f</b>			
6.1	120	As required in <u>Part I.D.5.f.(i)</u> , the permittee must develop, update, and implement a program to address and control floatables in discharges into the MS4. The floatables control program shall include source controls and, where necessary, structural controls. Permittees previously covered under NMS000101 or NMR04A000 must continue existing programs while updating those programs, as necessary, to comply with the requirements of this permit. The permittee shall develop or update a schedule to implement as required in <u>Part I.D.5.f.(i).(a)</u> . Note: AMAFCA and COA should update the schedule according to the findings of the 2005 AMAFCA/COA Floatable and Gross Pollutant Study and other studies.	<u>Part I.D.5.f.(i) and (i).(a)</u> - AMAFCA will continue to implement a program to address and control floatables in discharges into the MS4. AMAFCA will continue to install stormwater quality features to control floatables, such as ported risers, trash racks, and screened inlets in both new construction and retrofits where appropriate. AMAFCA will continue to coordinate with COA relative to structural BMPs within AMAFCA rights-of-way.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> <ul style="list-style-type: none"><li>• The AMAFCA Stormwater Quality Engineer will continue to review, revise, and implement a program to address and control floatables in discharges into the MS4. AMAFCA will develop a written procedure for this program element.</li><li>• AMAFCA will continue to cooperate and coordinate with COA relative to structural BMPs within AMAFCA rights-of-way.</li><li>• AMAFCA will continue membership and involvement in the cooperative MS4 Technical Advisory Group (MS4 TAG), which will facilitate cooperation and coordination with other MS4s in the Middle Rio Grande related control of floatables discharges.</li><li>• AMAFCA will continue utilizing the manual trash collection contracts.</li><li>• AMAFCA is pursuing developing a cooperative program for this program element.</li></ul>	<b>Met FY 2020 Goals.</b>
6.2	121	Estimate the annual volume of floatables and trash removed from each control facility and characterize the floatable type as required in <u>Part I.D.5.f.(i).(b)</u> .	<u>Part I.D.5.f.(i).(b)</u> - AMAFCA will continue to estimate the annual volume of floatables and trash removed from each control facility as well as to characterize the floatable type. The AMAFCA operations and maintenance crew and subcontractors track the volume of floatables, sediment, trash, and debris removed from AMAFCA facilities on a daily basis. This tracking procedure includes the location of removal by facility and watershed.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> <ul style="list-style-type: none"><li>• AMAFCA will include in each Annual Report an estimate of the annual volume of floatables and trash removed from each control facility and characterize the floatable type.</li><li>• AMAFCA will continue to improve crew activity tracking, allowing AMAFCA to better and more easily determine the volume of floatables and sediment removed from each AMAFCA facility.</li><li>• AMAFCA will complete an updated, cooperative waste characterization study in the watershed during the Permit term.</li></ul>	<b>Met FY 2020 Goals.</b> <ul style="list-style-type: none"><li>• In FY 2020, AMAFCA continued to implement its crew tracking system and database. AMAFCA estimated quantities for the volume of trash, sediment &amp; vegetation removed from its water quality facilities. In FY 2020, through March 2020, an estimated 2,006 CY of trash, 223 CY of vegetation, &amp; over 71,400 CY of sediment was removed from AMAFCA facilities. Crew tracking was interrupted in March 2020 due to the COVID 19 pandemic; AMAFCA is assessing how to continue the crew tracking system in FY 2021.</li></ul>
6.3	122	Item from MS4 Permit NOI. Describe other proposed activities to address the Control of Floatables Discharges Measure.	AMAFCA will continue to utilize the Annual Report process as a means to perform a self-audit with the goal to improve its MS4 Programs.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> <ul style="list-style-type: none"><li>• AMAFCA will annually document progress made, if any, related to the Annual Report process as a means to perform a self-audit on the MS4 Program elements.</li></ul>	<b>Met FY 2020 Goal.</b>
Not Included in NOI	123	Update the SWMP document and Annual Report as required in <u>Part I.D.5.f.(ii)</u> and <u>Part I.D.5.f.(iii)</u> . <u>Part I.D.5.f.(ii)</u> - The permittee must include in the SWMP a description of the mechanism(s) utilized to comply with each of the elements required in <u>Part I.D.5.f.(i)</u> . <u>Part I.D.5.f.(iii)</u> - The permittee shall assess the overall success of the program, and document the program effectiveness in the Annual Report.	<u>Part I.D.5.f.(ii)</u> - AMAFCA's Stormwater Quality Engineer will review the program requirements listed for the above-mentioned program elements, during the Annual Report process. A strategy to implement any new program requirements or improve the compliance with program requirements will be developed as needed. <u>Part I.D.5.f.(iii)</u> - AMAFCA will annually document the program effectiveness and program success in the Annual Report through use of an Annual Report format that reports the status of implementation and performance assessment for each MS4 Permit requirement.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> <ul style="list-style-type: none"><li>• As part of the Annual Report process each year, the Stormwater Quality Engineer will review the program requirements listed in <u>Part I.D.5.f.</u> for the above-mentioned SWMP elements, and assess the overall success of the program and document the program effectiveness in the Annual Report.</li><li>• AMAFCA will annually document the program effectiveness and program success in the Annual Report through use of an Annual Report format that reports the status of implementation and performance assessment for each MS4 Permit requirement.</li></ul>	<b>Met FY 2020 Goals.</b>

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	124	<b>TABLE 8: Public Education and Outreach on Stormwater Impacts - Part I.D.5.g</b>			
7.1	125	Develop, revise, implement, and maintain an education and outreach program as required in <u>Part I.D.5.g.(i)</u> and <u>Part I.D.5.g.(ii)</u> . This comprehensive stormwater program should educate the community, employees, businesses, and the general public of hazards associated with the illegal discharges and improper disposal of waste and about the impact that stormwater discharges on local waterways, as well as the steps that the public can take to reduce pollutants in stormwater.	<u>Part I.D.5.g.(i)</u> - Through involvement in the MRGSQT and Bernalillo County, AMAFCA will continue to collaborate with the MS4 permittees to implement and improve upon the existing Public Education and Outreach program. The MRGSQT has a consulting firm under contract to act as Stormwater Coordinator and assist the team in providing public education and outreach on stormwater impacts. Included in the Stormwater Coordinator scope is to provide an Outcomes Report to the team members to summarize the yearly outreach activities through different media and methods, target audiences, and estimate of people reached. In addition to the cooperative elements with MRGSQT, AMAFCA will continue to conduct education and outreach presentations to the community specific to AMAFCA facilities and water quality.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> <ul style="list-style-type: none"> <li>• AMAFCA will continue to contribute to and participate in the MRGSQT.</li> <li>• AMAFCA will continue to conduct education and outreach presentations to the community specific to AMAFCA facilities and water quality. AMAFCA's efforts will be included in the MRGSQT Outcomes Report or reported separately in each Annual Report. The MRGSQT Outcomes Report will be submitted in the Annual Report.</li> </ul>	Met FY 2020 Goals.
Not Included in NOI	126	<u>Part I.D.5.g.(ii)</u> , the permittee must implement a public education program to distribute educational knowledge to the community or conduct equivalent outreach activities about the impacts of storm water discharges on water bodies and the steps that the public can take to reduce pollutants in storm water runoff. The permittee must: <u>Part I.D.5.g.(ii).(a)</u> , Define the goals and objectives of the program based on high priority community-wide issues; <u>Part I.D.5.g.(ii).(b)</u> , Develop or utilize appropriate educational materials, such as printed materials, billboard and mass transit advertisements, signage at select locations, radio advertisements, television advertisements, and websites.	<u>Part I.D.5.g.(ii).(a)</u> - The MRGSQT has developed a matrix to define the Public Education and Outreach objectives, priorities, and target audiences. The matrix will be reviewed and updated, as necessary, throughout the Permit term.  <u>Part I.D.5.g.(ii).(b)</u> - The MRGSQT will continue to develop and utilize appropriate educational materials such as brochures, media campaigns, public presentations/events, giveaways, display booths/kiosks, signage at select locations, and postings on social media sites (Facebook) and websites. The types of materials utilized by the MRGSQT are summarized in the annual Outcomes Report.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> <ul style="list-style-type: none"> <li>• AMAFCA, through its participation in the MRGSQT will review, throughout the Permit term, and update, as necessary, the program matrix to define the Public Education and Outreach and Public Involvement and Participation objectives, priorities, and target audiences.</li> <li>• The MRGSQT will continue to develop and utilize appropriate educational materials such as brochures, media campaigns, public presentations/events, giveaways, display booths/kiosks, signage at select locations, and postings on social media sites (Facebook) and websites. The types of materials utilized will be summarized in the annual Outcomes Report.</li> </ul>	Met FY 2020 Goals.
Not Included in NOI	127	<u>Part I.D.5.g.(ii).(c)</u> , Inform individuals and households about ensuring proper septic system maintenance, ensuring the proper use and disposal of landscape and garden chemicals including fertilizers and pesticides, protecting and restoring riparian vegetation, and properly disposing of used motor oil or household hazardous wastes;	<u>Part I.D.5.g.(ii).(c)</u> - The MRGSQT's program matrix and Public Education and Outreach programs include proper septic system maintenance, proper use and disposal of landscape and garden chemicals including fertilizers and pesticides, and properly disposing of household hazardous wastes.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> <ul style="list-style-type: none"> <li>• The MRGSQT will continue to include these specific educational areas in their program matrix and reporting on these areas in their annual Outcomes Report.</li> </ul>	Met FY 2020 Goal.



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Not Included in NOI	128	<u>Part I.D.5.g.(ii).(d)</u> , Inform individuals and groups how to become involved in local stream and beach restoration activities as well as activities that are coordinated by youth service and conservation corps or other citizen groups.	<u>Part I.D.5.g.(ii).(d)</u> - The MRGSQT, which AMAFCA is a member, utilizes volunteers throughout communities within the watershed to assist with park, open space, trail, and river cleanup projects. Communication for Public Education and Outreach and Public Involvement and Participation is achieved by activities organized with youth service groups, conservation corps, and other citizen groups. In addition, AMAFCA will continue to foster Public Education and Outreach and Public Involvement and Participation programs, including Earth Force - Keep it Clean student outreach, Talking Talons Youth Leadership Activities, and Rocky Mountain Youth Corps programs.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> <ul style="list-style-type: none"> <li>• The MRGSQT will continue communication for public involvement and participation activities as well as assist with communication for Public Education and Outreach and Public Involvement and Participation activities organized by youth service groups, conservation corps, and other citizen groups. These volunteer activities will be summarized in the annual Outcomes Report.</li> <li>• Through the MRGSQT, two partner education programs, BEMP and RiverXchange, are supported. RiverXchange is an innovative, long-term outreach program that integrates water resource topics with computer technology, student writing, and a hands-on curriculum to meet specific, measurable outcomes. The main objective of the Stormwater Science outreach education program BEMP is to teach students that the health of the Rio Grande is directly related to the health of the surrounding watershed.</li> <li>• AMAFCA will continue to foster Public Education and Outreach and Public Involvement and Participation programs, including Earth Force, Talking Talons Youth Leadership Activities, and Rocky Mountain Youth Corps programs. A summary of these programs may be included in each Annual Report.</li> </ul>	Met FY 2020 Goals.
Not Included in NOI	129	<u>Part I.D.5.g.(ii).(e)</u> , Use tailored public education program, using a mix of locally appropriate strategies, to target specific audiences and communities. Examples of strategies include distributing brochures or fact sheets, sponsoring speaking engagements before community groups, providing public service announcements, implementing educational programs targeted at school age children, and conducting community-based projects such as storm drain stenciling, and watershed cleanups;	<u>Part I.D.5.g.(ii).(e)</u> - The MRGSQT will continue to organize comprehensive Public Education and Outreach programs with appropriate strategies to target specific audiences in the Middle Rio Grande community.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> <ul style="list-style-type: none"> <li>• The MRGSQT will continue to include comprehensive education programs with appropriate strategies to target specific audiences in the Middle Rio Grande community. The target audiences for the educational programs will be identified in the Outcomes Report. The estimated number of people reached with the educational, outreach, and participation programs will be reported in each Annual Report.</li> </ul>	Met FY 2020 Goal.
Not Included in NOI	130	<u>Part I.D.5.g.(ii).(f)</u> , Use materials or outreach programs directed toward targeted groups of commercial, industrial, and institutional entities likely to have significant stormwater impacts. For example, providing information to restaurants on the impact of grease clogging storm drains and to garages on the impact of oil discharges. The permittee may tailor the outreach program to address the viewpoints and concerns of all communities, particularly minority and disadvantaged communities, as well as any special concerns relating to children. The permittee must make information available for non-English speaking residents, where appropriate.	<u>Part I.D.5.g.(ii).(f)</u> - The MRGSQT will continue to include Public Education and Outreach programs directed toward commercial, industrial, engineering/contractors, and other institutional entities to meet the MS4 Permit requirements. Where outreach target groups include Spanish-speaking residents, MRGSQT may have Spanish-translations available of public meeting announcements and data sheets. The need for bi-lingual outreach will be assessed by the MRGSQT as needed.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> <ul style="list-style-type: none"> <li>• The MRGSQT cooperative programs will continue to include information on Public Education and Outreach and Public Involvement and Participation programs directed toward commercial, industrial, engineering/contractors, and other institutional entities.</li> <li>• Where outreach target groups include Spanish-speaking residents, MRGSQT may have Spanish-translations available of public meeting announcements and data sheets. The need for bi-lingual outreach will be assessed by the MRGSQT as needed.</li> </ul>	Met FY 2020 Goals.

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7.2	131	<p>Update the SWMP document and Annual Report as required in Part I.D.5.g.(iii) and Part I.D.5.g.(iv).</p> <p><u>Part I.D.5.g.(iii)</u>, The permittee must include the following information in the SWMP document:</p> <p>(a) A description of a program to promote, publicize, facilitate public reporting of the presence of illicit discharges or water quality associated with discharges from MS4s;</p> <p>(b) A description of the education activities, public information activities, and other appropriate activities to facilitate the proper management and disposal of used oil and toxic materials;</p> <p>(c) A description of the mechanism(s) utilized to comply with each of the elements required in Part I.D.5.g.(i) and Part I.D.5.g.(ii) and its corresponding measurable goal.</p> <p><u>Part I.D.5.g.(iv)</u>, The permittee must assess the overall success of the program, and document both direct and indirect measurements of program effectiveness in the Annual Report.</p>	<p><u>Part I.D.5.g.(iii) - (a)</u> AMAFCA facilitates the reporting of illicit discharges by using and promoting the Albuquerque 311 Citizen Contact Center. Reports for illicit discharge can be done by phone, on-line, e-mail, or through an app on cellular phones.</p> <p><u>(b)</u> Educational and public outreach activities are primarily handled through the MRGSQT.</p> <p><u>(c)</u> This SWMP, AMAFCA's annual reports, and the MRGSQT outreach coordinator contract all serve as mechanisms to comply with the elements in this section of the permit. Refer to the above SWMP program elements for additional information. AMAFCA's Stormwater Quality Engineer will review the program requirements listed for the above-mentioned program elements during the SWMP development and Annual Report process. A strategy to implement any new program requirements or improve compliance with the program requirements will be discussed with the MRGSQT and developed as needed.</p> <p><u>Part I.D.5.g.(iv)</u> - AMAFCA will annually document the program effectiveness and program success in the Annual Report through use of an Annual Report format that reports the status of implementation and performance assessment for each MS4 Permit requirement. Surveys will be used to assist with assessing and determining the effectiveness of programs.</p>	<p><b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b></p> <ul style="list-style-type: none"> <li>• The AMAFCA Stormwater Quality Engineer will review and include the program requirements listed in Part I.D.5.g during the SWMP development and Annual Report process.</li> <li>• AMAFCA will annually document the program effectiveness and program success in the Annual Report through use of an Annual Report format that reports the status of implementation and performance assessment for each MS4 Permit requirement.</li> <li>• AMAFCA (both through the MRGSQT and individually) will use surveys to assist with determining the effectiveness of programs.</li> </ul>	<p><b>Met FY 2020 Goals.</b></p>
7.2	132	<p>Enhance the program to include Program Flexibility Elements in Part I.D.5.g.(v) through Part I.D.5.g.(viii).</p> <p><u>Part I.D.5.g.(v)</u>, Where necessary to comply with the MS4 Permit, the permittee should develop a program or modify/revise an existing education and outreach program to:</p> <p>(a) Promote, publicize, and facilitate the use of GI/LID/Sustainability practices; and</p> <p>(b) Include an integrated public education program regarding litter reduction, reduction in pesticide/herbicide use, recycling, and disposal (including yard waste, hazardous waste materials, and used motor vehicle fluids), and GI/ LID/ Sustainable practices (as allowed by the NM OSE).</p>	<p><u>Part I.D.5.g.(v).(a) and (b)</u> - AMAFCA will continue to include in its (and in the cooperative MRGSQT) Public Education and Outreach program: GI/LID/sustainability practices, litter reduction, pesticide/herbicide proper use and reduction, recycling, proper disposal of hazardous waste, proper disposal motor vehicle fluids, and proper disposal of yard waste.</p>	<p><b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b></p> <ul style="list-style-type: none"> <li>• AMAFCA will annually document progress made with these program enhancement activities.</li> </ul>	<p><b>Met FY 2020 Goal.</b></p> <ul style="list-style-type: none"> <li>• Refer to ID # 69 above for specific progress related to the Public Education and Outreach program.</li> </ul>
Not Included in NOI	133	<p>Enhance the program to include Program Flexibility Elements in Part I.D.5.g.(v) through Part I.D.5.g.(viii) [continued]</p> <p><u>Part I.D.5.g.(vi)</u>, The permittee may collaborate or partner with other MS4 operators to maximize the program and cost effectiveness of the required outreach.</p>	<p><u>Part I.D.5.g.(vi)</u> - The MRGSQT is a cooperative effort allowing watershed MS4 participants to maximize their education, outreach, participation, and involvement programs in a cost effective manner. Through involvement in the MRGSQT and Bernalillo County, AMAFCA will continue to collaborate with the MS4 permittees to implement and improve upon the existing Public Education and Outreach and Public Involvement and Participation programs.</p>	<p><b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b></p> <ul style="list-style-type: none"> <li>• AMAFCA will continue to contribute to and participate in the MRGSQT in order to maximize their Public Education and Outreach and Public Involvement and Participation programs in a cost effective manner.</li> </ul>	<p><b>Met FY 2020 Goal.</b></p>

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Not Included in NOI	134	Enhance the program to include Program Flexibility Elements in Part I.D.5.g.(v) through Part I.D.5.g.(viii). [continued]  Part I.D.5.g. (vii), The education and outreach program may use citizen hotlines as a low-cost strategy to engage the public in illicit discharge surveillance.	Part I.D.5.g.(vii) - AMAFCA participates in a 311 Citizen Contact Center centralized call center. The 311 service is a single telephone number for all non-emergency inquiries and services. This program includes citizen calls regarding illicit discharges and notifies AMAFCA of such calls within its jurisdiction.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> • AMAFCA will continue to participate in the 311 call in program as the information received from this hotline is integral to the IDDE program. This is discussed in more detail in the Illicit Discharges and Improper Disposal Control Measure.	Met FY 2020 Goal.
Not Included in NOI	135	Enhance the program to include Program Flexibility Elements in Part I.D.5.g.(v) through Part I.D.5.g.(viii). [continued]  Part I.D.5.g. (viii), The permittee may use stormwater educational materials provided by the State, Tribe, EPA, environmental groups, public interest or trade organ., or other MS4s. The permittee may also integrate the education and outreach program with existing education and outreach programs in the MRG area. Examples of existing programs include: Classroom education on stormwater that allows students to develop watershed map to help students visualize area impacted and develop pet specific education. As well as education and outreach programs for commercial activities, lawn and garden activities, sustainable practices, pet waste management, proper disposal of household waste, trash management, water conservation practices designed to reduce pollutants in stormwater for home residences. Existing programs should include regular employee trainings with industry groups and contribute and participate in Stormwater Quality Team.	Part I.D.5.g.(viii) - The MRGSQT may utilize educational materials provided by the State, Tribe, EPA, environmental groups, public interest or trade organizations, or other MS4s.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> • The MRGSQT may utilize materials, as appropriate, provided by the State, Tribe, EPA, environmental groups, public interest or trade organizations, or other MS4s. The types of materials and program focus for the materials utilized will be summarized in the annual Outcomes Report.	Met FY 2020 Goal.

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	136	<b>TABLE 9: Public Involvement and Participation - Part I.D.5.h</b>			
8.1	137	Develop (or update), implement, and maintain a public involvement and participation plan as required in <u>Part I.D.5.h.(ii)</u> . This plan should provide opportunities for participation in the review, modification and implementation of the SWMP; develop and implement a process by which public comments to the plan are received and reviewed by the person(s) responsible for the SWMP; and make the SWMP available to the public and to the operator of any MS4 or Tribal authority receiving discharges from the MS4.	<u>Part I.D.5.h.(ii)</u> - AMAFCA will continue its Public Involvement and Participation program to encourage public involvement in the review, modification and implementation of the AMAFCA SWMP.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> <ul style="list-style-type: none"> <li>• Post the draft SWMP, any SWMP amendments or modifications, and draft Annual Reports to the <a href="http://www.AMAFCA.org">www.AMAFCA.org</a> website with an explanation of the public comment period and instruction on how to submit comments. The posted documents will provide explanations of substantial changes, if applicable. A hard copy of the SWMP (when updated) and each Annual Report will be made available for review during normal business hours at the AMAFCA office. AMAFCA is located at 2600 Prospect Avenue NE, Albuquerque, NM 87107. The phone number is 505-884-2215.</li> <li>• At least 30-days prior to submission of each updated SWMP, AMAFCA will provide public notice and make a draft copy of the updated SWMP available for public review and comment.</li> <li>• At least 45-days prior to submission of each Annual Report, AMAFCA will provide public notice and make a draft copy of the Annual Report available for public review and comment, as required in Part III.B of the MS4 Permit.</li> <li>• AMAFCA will implement, and update as needed, the Public Involvement and Participation Plan.</li> </ul>	<b>Met FY 2020 Goals.</b> <ul style="list-style-type: none"> <li>• AMAFCA met the Permit required 30-day comment period for SWMP document public review (March 29, 2020 - April 28, 2020). In addition, the SWMP was provided to EPA for review, allowing for the 60-day review period specified in Part VI.A of the MS4 Permit. No comments were received from the public or from the EPA. The SWMP, Rev. 5 became effective on July 1, 2020 so that the SWMP covers a single FY and facilitates annual reporting.</li> </ul>
8.1	138	As required in <u>Part I.D.5.h.(iii)</u> , the Public Involvement and Participation Plan shall include a comprehensive planning process which involves public participation and where necessary intergovernmental coordination. The permittee must include the following elements in the plan: (a) A detailed description of the general plan for informing the public of involvement and participation opportunities, including types of activities; target audiences; how interested parties may access the SWMP; and how the public was involved in development of the SWMP; (b) The development and implementation of at least one (1) assessment of public behavioral change following a public education and/or participation event; (c) A process to solicit involvement by environmental groups, environmental justice communities, civic organizations or other neighborhoods /organizations interested in water quality-related issues; and (d) An evaluation of opportunities to utilize volunteers for stormwater pollution prevention activities and awareness throughout the area.	<u>Part I.D.5.h.(iii)</u> - As allowed in this Permit section's "Program Flexibility Elements", AMAFCA, through its involvement with the MRGSQT, has integrated this section of the Public Involvement and Participation program with the existing Public Education and Outreach programs in the Middle Rio Grande area.  The program includes: (a) A general plan for public of involvement and participation opportunities, including types of activities; target audiences; how interested parties may access the SWMP; and how to encourage public involvement in development and updates of the SWMP; (b) The development and implementation of water quality surveys to assess public knowledge and behavioral change following a public education and/or participation event; (c) A process to solicit involvement in development and updates of the SWMP through following the 45-day Annual Report and 30-day SWMP public comment period; and (d) An evaluation of opportunities to utilize volunteers for stormwater pollution prevention activities, including maintaining Mutt Mitt Stations.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> <ul style="list-style-type: none"> <li>• AMAFCA will contribute and participate in the MRGSQT, which participates in public events and solicits public participation and feedback by way of volunteer participation and water quality surveys. Both the BEMP and RiverXchange program include participation metrics. In addition, the MRGSQT has developed and will include surveys for public behavior changes and feedback at their events.</li> <li>• AMAFCA will continue to follow the 45-day Annual Report and 30-day SWMP public comment period during the term of this Permit.</li> <li>• AMAFCA will continue to provide Mutt Mitt stations and seek volunteers to maintain the stations. AMAFCA will continue tracking this activity and reviewing metrics during the term of this Permit.</li> </ul>	<b>Met FY 2020 Goal.</b>

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8.2	139	Comply with State, Tribal, and local notice requirements when implementing a Public Involvement and Participation Program as required in <u>Part I.D.5.h.(iv)</u> . Reporting notification requirements also in <u>Part III.D.4</u> .	<u>Part I.D.5.h.(iv)</u> & <u>Part III.D.4</u> - AMAFCA will provide digital and/or hard copies of all MS4 compliance reporting documents to the NMED, Pueblos of Sandia and Isleta as required of the MS4 Permit. The SWMP and Annual Reports are also available on the keeptheriogrand.org and amafca.org websites.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> <ul style="list-style-type: none"> <li>• AMAFCA will provide digital and/or hard copies of MS4 compliance reporting documents, as appropriate, to the NMED, Pueblos of Sandia and Isleta as required here and in Part III.D.4 of the MS4 Permit.</li> <li>• AMAFCA will continue to post the SWMP and Annual Reports on the www.keeptheriogrand.org and/or www.amafca.org websites.</li> </ul>	Met FY 2020 Goal.
8.3	140	Include elements as required in <u>Part I.D.5.h.(v)</u> . The public participation process must reach out to all economic and ethnic groups. Opportunities for members of the public to participate in program development and implementation include serving as citizen representatives on a local stormwater management panel, attending public hearings, working as citizen volunteers to educate other individuals about the program, assisting in program coordination with other preexisting programs, or participating in volunteer monitoring efforts.	<u>Part I.D.5.h.(v)</u> - As allowed in this Permit section's "Program Flexibility Elements", AMAFCA, through its involvement with the MRGSQT cooperative programs, has integrated this section of the Public Involvement and Participation program with existing Public Education and Outreach programs in the Middle Rio Grande area. AMAFCA will continue to include stormwater quality information for the public at events, including public meetings. AMAFCA may have Spanish translations, as needed, of public meeting announcements and data sheets.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> <ul style="list-style-type: none"> <li>• AMAFCA will continue to include (along with the cooperative MRGSQT programs) water quality information for the public at events, including public meetings. Where neighborhoods include Spanish-speaking residents, MRGSQT may have Spanish-translations available of public meeting announcements and data sheets. By attending a variety of events at widespread locations throughout the area and by using the leading area newspaper (Albuquerque Journal) to advertise events, the MRGSQT ensures that a wide-range of economic and ethnic groups are reached, as documented in the Outreach Report.</li> <li>• AMAFCA will use the Watershed Protection Advisory Board, Public Involvement Committee as a mechanism to reach out to the community for volunteers and to solicit input through public meetings and discussions.</li> </ul>	Met FY 2020 Goals.

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8.4	141	Update the SWMP document and Annual Report as required in <a href="#">Part I.D.5.h.(vi)</a> , <a href="#">Part I.D.5.h.(vii)</a> , and <a href="#">Part I.D.5.h.(viii)</a> . The permittee must include in the SWMP a description of the mechanisms utilized to comply with each of the elements required in Parts I.D.5.h.(i) through part I.D.5.h.(iv) and its corresponding measurable goal. The permittee shall assess the overall success of the program, and document the program effectiveness in the Annual Report. The permittee must provide public accessibility of the SWMP and Annual Reports online via the Internet and during normal business hours at the MS4 operator's main office for public inspection and copying consistent with any applicable federal, state, tribal, or local open records requirements. Upon a showing of significant public interest, the MS4 operator is encouraged to hold a public meeting (or include in the agenda of in a regularly scheduled city council meeting, etc.) on the NOI, SWMP, and Annual Reports.	<a href="#">Part I.D.5.h.(vi)</a> - AMAFCA's Stormwater Quality Engineer will review the program requirements listed for the above-mentioned program elements during the SWMP development and Annual Report process. A strategy to implement any new program requirements or improve compliance with the program requirements will be discussed with the MRGSQT, if applicable, and developed as needed. <a href="#">Part I.D.5.h.(vii)</a> - AMAFCA will annually document the program effectiveness and program success in the Annual Report through use of an Annual Report format that reports the status of implementation and performance assessment for each MS4 Permit requirement. <a href="#">Part I.D.5.h.(viii)</a> - AMAFCA will provide public accessibility of the SWMP and Annual Reports online via the Internet on the following web sites: <a href="http://www.amafca.org">www.amafca.org</a> <a href="http://www.keeptheriogrand.org">www.keeptheriogrand.org</a>  At least 30-days prior to submission of each updated SWMP, AMAFCA will provide public notice and make a draft copy of the updated SWMP available for public review and comment and at least 45-days prior to submission of each Annual Report, AMAFCA will provide public notice and make a draft copy of the Annual Report available for public review and comment, as required in Part III.B of the MS4 Permit.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> • The AMAFCA Stormwater Quality Engineer will review and include the program requirements listed in Part I.D.5.g during the SWMP development and Annual Report process. • AMAFCA will annually document the program effectiveness and program success in the Annual Report through use of an Annual Report format that reports the status of implementation and performance assessment for each MS4 Permit requirement. • AMAFCA will provide public accessibility of the current SWMP document and the most recent Annual Report online via the Internet ( <a href="http://www.amafca.org">www.amafca.org</a> and/or <a href="http://www.keeptheriogrand.org">www.keeptheriogrand.org</a> ) and during normal business hours at the AMAFCA office. AMAFCA is located at 2600 Prospect Avenue NE, Albuquerque, NM 87107. The phone number is 505-884-2215.	Met FY 2020 Goals.
8.5	142	Enhance the program to include requirements in <a href="#">Part I.D.5.h.(ix)</a> . The permittee may integrate the public involvement and participation program with existing education and outreach programs in the Middle Rio Grande area. Example of existing programs include: Adopt-A-Stream Programs; Attitude Surveys; Community Hotlines (e.g. establishment of a '311'-type number and system established to handle storm-water-related concerns, setting up a public tracking/reporting.	<a href="#">Part I.D.5.h.(ix)</a> - AMAFCA will continue to include in its (and in the cooperative MRGSQT programs) public involvement and participation programs: funds toward groups which include public participation, such as Boy or Girl Scouts of America, RiverXchange, the Bosque Ecosystem Monitoring Program (BEMP), Earth Force - Keep it Clean student outreach, Talking Talons Youth Leadership Activities, and Youth Corps programs. AMAFCA will also continue to participate in the 311 hotline system.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> • AMAFCA will annually document progress made with these program enhancement activities. AMAFCA and the MRGSQT will continue to review, update, and enhance public involvement and participation programs. The MRGSQT Outcomes Report will provide the annual documentation for this Permit activity. • AMAFCA will continue to participate in the 311 call in program as the information received from this hotline is integral to the IDDE program. This is discussed in more detail in the Illicit Discharges and Improper Disposal Control Measure.	Met FY 2020 Goals.
8.6	143	Item from MS4 Permit NOI. Describe other proposed activities to address the Public Involvement and Participation Measure.	AMAFCA will continue to utilize the Annual Report process as a means to perform a self-audit with the goal to improve its MS4 Programs.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> • AMAFCA will annually document progress made, if any, related to the Annual Report process as a means to perform a self-audit on the MS4 Program elements.	Met FY 2020 Goal.

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	144	<b>Part III - Monitoring, Assessment and Reporting Requirements</b>			
	145	<b>TABLE 10: Wet Weather Monitoring Program - Part III.A.1</b>			
See NOI Sections Below	146	<p>According to the requirements in <u>Part III.A.1</u>, The permittee must develop, in consultation with NMED and EPA (and affected Tribes if monitoring locations would be located on Tribal lands), and implement a comprehensive monitoring and assessment program. The permittees shall conduct wet weather monitoring to gather information on the response of receiving waters to wet weather discharges from the MS4 during both wet season (July 1 through October 31) and dry season (November 1 through June 30).</p> <p>Wet Weather Monitoring shall be conducted at outfalls, internal sampling stations, and/or in-stream monitoring locations at each water of the US that runs in each entity or entities' jurisdiction(s).</p>	<p><u>Part III.A.1</u> - Wet weather screening is synonymous with compliance monitoring. In the MRG MS4 Permit area, stormwater runoff discharges to the Rio Grande at outfall locations via major drainage channels, storm drains, and pump stations. The Rio Grande, the only perennial river in the watershed, enters the MRG Watershed in one location (North of Albuquerque) and leaves the MRG Watershed south of Albuquerque. Details for this program are provided in the SWMP sections below.</p>	<p><b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b></p> <p>The program details and measurable goals are described below. The Final Sampling Plan for Cooperative Compliance Monitoring (CMC) was submitted to EPA on May 5, 2016. The sampling plan was accepted by the EPA and NMED.</p> <p>The current 2014 Middle Rio Grande Watershed Based Municipal Separate Storm Sewer System (MS4) Permit, NPDES Permit No. NMR04A000, expires on December 19, 2019. On July 27, 2019 the EPA (Brent Larson/Maria Martinez, EPA Region 6) indicated to the MS4 permittees at a meeting at Bernalillo County Public Works, Albuquerque, NM that this Permit will most likely be administratively continued. Administrative continuance of this Permit would mean that since the CMC members have met all requirements in Part III. A.1.b ("The monitoring program must sample the pollutants for a minimum of 7 storm events per location during the permit term which at least 3 events in the wet season and 2 events in the dry season"), no additional monitoring would be required until a new MS4 Permit is issued. However, the CMC members will evaluate and may choose to continue sampling to support their MS4 program needs, demonstrate program progress, or gather additional data in support of the future Permit compliance.</p>	See specific Permit activity below.

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IV	147	<u>Part III.A.3.1.b. Option B:</u> Cooperative Monitoring Program  Develop a cooperative wet weather monitoring program with other permittees in the Middle Rio Grande Watershed. The program will monitor waters coming into the watershed (upstream) and leaving the watershed (downstream). The program must include sampling for TSS, TDS, COD, BOD5, DO, oil and grease, E. coli, pH, total kjeldahl nitrogen, nitrate plus nitrite, dissolved phosphorus, total ammonia plus organic nitrogen, total phosphorus, PCBs and Gross alpha. Monitoring of temperature shall be also conducted at outfalls and/or Rio Grande monitoring locations. Permittees must include additional parameters from monitoring conducted under permits NMS000101, NMR04A000 or/and NMR040001 whose mean values are at or above a WQS. The monitoring program must sample the pollutants for a minimum of 7 storm events per location during the permit term with at least 3 events in the wet season and 2 events in the dry season.	Part III.A.3.1.b. Option B: Cooperative Monitoring Program -The cooperative wet weather compliance monitoring will monitor waters coming into the watershed (upstream) and leaving the watershed (downstream) for a minimum of 7 storm events per location during the Permit term with at least 3 in the events in the wet season and 2 events in the dry season. The wet season is defined in the permit as July 1 through October 31 and the dry season as November 1 through June 30.  AMAFCA joined the Compliance Monitoring Cooperative (CMC) group, which includes 12 watershed partners. The participatory permittees have developed a cooperative wet weather compliance monitoring program to assess the effect of stormwater discharges on the receiving water, the Middle Rio Grande. This monitoring plan was reviewed and discussed with NMED and EPA during its development. The cooperative sampling plan was accepted by EPA and permittees submitted the sampling plan on May 5, 2016 and sampling certification to EPA on June 28, 2016. At the end of FY 2019, all Permit required samples have been obtained by the CMC.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> • If the CMC does continue wet weather compliance monitoring during administrative continuance of this Permit, the monitoring program will follow the Permit requirements for parameters tested (TSS, TDS, COD, BOD5, DO, oil and grease, E. coli, pH, total kjeldahl nitrogen, nitrate plus nitrite, dissolved phosphorus, total ammonia plus organic nitrogen, total phosphorus, PCBs, Gross alpha, and temperature). In addition, parameters from stormwater monitoring conducted under Permit NMS000101, whose mean values were at or above a WQS, will also be tested. The complete list of parameters is listed in the CMC sampling plan. In addition, DO, pH, conductivity, and temperature will be analyzed in the field within 15 minutes of sample collection. • If the CMC does continue wet weather compliance monitoring during administrative continuance of this Permit, the parameter list may be modified based on a review of the results obtained within the watershed and the program assessment needs for the permittees. AMAFCA will summarize, as applicable, any wet weather monitoring activity and results in each Annual Report, with additional information available upon request. • If the CMC does continue wet weather compliance monitoring during administrative continuance of this Permit, the monitoring program will be conducted according to the approved Sampling Plan for Compliance Monitoring.	Met FY 2020 Goals.
IV	148	As required in <u>Part III.A.1.e.</u> and <u>Table 10</u> , the permittees shall submit wet weather monitoring preference Option A or Option B to EPA (i.e., individual monitoring program vs. cooperative monitoring program) with NOI submittals.	<u>Part III.A.1.e, Table 10</u> - AMAFCA submitted its NOI in compliance with the permit requirements and schedule. AMAFCA will participate in Option B - cooperative monitoring program.	• This Permit activity is complete.	Permit Activity is Complete.
Not Included in NOI	149	<u>Part III.A.1.e, Table 10</u> - Submit a detailed description of the monitoring scheme to EPA and NMED for approval. The monitoring scheme should include: a list of pollutants; a description of monitoring sites with an explanation of why those sites were selected; and a detailed map of all proposed monitoring sites. In addition, as required in Part III.A.1.h, the monitoring program must include a contingency plan for collecting additional monitoring data within the MS4 or at additional appropriate instream locations should monitoring results indicate that MS4 discharges may be contributing to instream exceedances of WQS. The purpose of this additional monitoring effort would be to identify sources of elevated pollutant loadings so they could be addressed by the SWMP.	Part III.A.1.e, Table 10 - AMAFCA joined the Compliance Monitoring Cooperative (CMC) group, which includes 12 watershed partners. The participatory permittees have developed a wet weather cooperative monitoring program to assess the effect of stormwater discharges on the receiving water, the Middle Rio Grande. This monitoring plan was reviewed and discussed with NMED and EPA during its development. Multiple drafts were submitted to EPA and NMED by the CMC, including drafts on Sept. 16, 2015 and Dec. 21, 2015. The cooperative monitoring plan was accepted by EPA and permittees submitted the sampling plan on May 5, 2016 and sampling certification to EPA on June 28, 2016. Modifications to this sampling may be submitted to the EPA in the future, as needed for approval.	• This Permit activity is complete. • The CMC members have met all requirements for wet weather compliance monitoring. If the CMC does continue wet weather monitoring during administrative continuance of this Permit, the monitoring program will be conducted according to the EPA/NMED approved monitoring plan.	Permit Activity is Complete.



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Not Included in NOI	150	<u>Part III.A.1.e, Table 10</u> - Submit certification that all wet weather monitoring sites are operational and begin sampling.	<u>Part III.A.1.e, Table 10</u> - AMAFCA submitted its sampling certification to EPA on June 28, 2016.	<ul style="list-style-type: none"> <li>This Permit activity is complete.</li> <li>AMAFCA, with its cooperative partners, has submitted certifications to the EPA that all wet weather compliance monitoring sites are operational and the CMC has begun sampling, according to the Permit requirements.</li> </ul>	Permit Activity is Complete.
Not Included in NOI	151	<p>As required in <u>Part III.A.1.e</u>, update SWMP document and submit Annual Reports. The results of the Wet Weather Monitoring must be provided in each Annual Report.</p> <p>As required in <u>Part III.D.1</u> -Monitoring results obtained during the reporting period running from July 1st to June 30th shall be submitted on discharge monitoring report (DMR) forms along with the Annual Report required by Part III.B. A separate DMR form is required for each monitoring period (season) specified in Part III.A.I. If any individual analytical test result is less than the minimum quantification level (MQL) listed for that parameter, then a value of zero (0) may be used for that test result for the DMR calculations and reporting requirements. The Annual Report shall include the actual value obtained, if test result is less than the MQL.</p>	<p><u>Part II.A.1.e, Table 10</u> - AMAFCA's Stormwater Quality Engineer will review the program requirement for the above-mentioned program elements, during the Annual Report process. A strategy to implement any new program requirements or improve compliance with the program requirements will be developed as needed.</p> <p><u>Part III.D.1</u> - The wet weather compliance monitoring results obtained by the CMC from July 1st to June 30th will be submitted in each Annual Report on Discharge Monitoring Report (DMR) forms or as otherwise approved by EPA as part of the cooperative sampling program. EPA has required that the NetDMR online system be used to submit DMR results. Since this Permit will be in administrative continuance, and all required compliance monitoring results have been obtained, AMAFCA is unsure how the EPA netDMR system will function for any future samples.</p> <p>AMAFCA will continue internal watershed stormwater quality monitoring, which typically collects samples from various locations. Collection of these samples are weather and equipment dependent. AMAFCA will provide the monitoring memos for the internal watershed stormwater quality monitoring with each applicable Annual Report.</p>	<p><b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b></p> <ul style="list-style-type: none"> <li>As part of the Annual Report process each year, the Stormwater Quality Engineer will review the program requirements listed in Part III.A.1, for the above-mentioned SWMP elements, and assess the overall success of the program and document the program effectiveness in the Annual Report.</li> <li>The CMC members have met all requirements for wet weather compliance monitoring. If the CMC does continue wet weather monitoring during administrative continuance of this Permit, the wet weather compliance monitoring results obtained from July 1st to June 30th will be submitted as required by the EPA using the NetDMR online website or as otherwise approved by EPA as part of the cooperative sampling program. Since this Permit will be in administrative continuance, and all required compliance monitoring results have been obtained, AMAFCA is unsure how the EPA netDMR system will function for any future samples.</li> <li>AMAFCA will provide the monitoring memos for the internal watershed stormwater quality monitoring with each applicable Annual Report.</li> </ul>	<p><b>Met FY 2020 Goals.</b></p> <ul style="list-style-type: none"> <li>Refer to ID # 30 above for monitoring program updates for FY 2020.</li> </ul>

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	152	<b>Dry Weather Discharge Screening of MS4 - Part III.A.2</b>			
Not Included in NOI	153	According to the requirements in <u>Part III.A.2</u> , Each permittee shall identify, investigate, and address areas within its jurisdiction that may be contributing excessive levels of pollutants to the Municipal Separate Storm Sewer System as a result of dry weather discharges (i.e., discharges from separate storm sewers that occur without the direct influence of runoff from storm events, e.g. illicit discharges, allowable non-stormwater, groundwater infiltration, etc.). Due to the arid and semi-arid conditions of the area, the dry weather discharges screening program may be carried out during both wet season (July 1 through October 31) and dry season (November 1 through June 30). Results of the assessment shall be provided in each Annual Report.	<u>Part III.A.2</u> - The program details and measurable goals are described below, in the Pollution Prevention/Good Housekeeping Control Measure, and in the Illicit Discharge and Improper Disposal Control Measure.  There are no perennial streams in the Albuquerque area that contribute to the Rio Grande. As such, the dry weather screening program serves a dual purpose as an illicit discharge screening analysis.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> • The program details and measurable goals are described below, in the Pollution Prevention/Good Housekeeping Control Measure, and in the Illicit Discharge and Improper Disposal Control Measure.	Met FY 2020 Goal.
Not Included in NOI	154	<u>Part III.A.2</u> -This program may be coordinated with the illicit discharge detection and elimination program required in Part I.D.5.e. The dry weather screening program shall be described in the SWMP and comply with the schedules contained in Part I.D.5.e.(iii). The permittee shall: a) Include sufficient screening points to adequately assess pollutant levels from all areas of the MS4. b) Screen for, at a minimum, BOD5, sediment or a parameter addressing sediment (e.g., TSS or turbidity), E. coli, Oil and Grease, nutrients, any pollutant that has been identified as cause of impairment of a waterbody receiving discharges from that portion of the MS4, including temperature. c) Specify the sampling and non-sampling techniques to be issued for initial screening and follow-up purposes. d) Perform monitoring only when an antecedent dry period of at least 72 hours after a rain event greater than 0.1 inch in magnitude is satisfied. Monitoring methodology shall consist of collecting a minimum of 4 grab samples spaced at a minimum interval of 15 minutes each.	<u>Part III.A.2</u> - AMAFCA will continue with the existing, cooperative Dry Weather Screening program in place under MS4 Permit NMS000101. The existing Dry Weather Screening program cooperative program with COA includes screening various locations, which screen 100% of COA/AMAFCA jurisdiction and targets industrial areas. Should any discharge be present in a quantity sufficient for analysis, it will be screened for BOD5, sediment (e.g., TSS or turbidity), E. coli, Oil and Grease, and nutrients. Any discharge collected will be a grab sample according to the Permit monitoring methodology.  In addition, AMAFCA has in place a well-defined and implemented routine inspection and O&M program that includes both formal and informal inspections and maintenance schedules for its watershed protection elements. Also, as part of AMAFCA's Levellogger monitoring, AMAFCA screens all major channel inlets to the NDC on AMAFCA ROW monthly. These inspections all function as dry weather inspections.  AMAFCA will continue membership and involvement in the cooperative MS4 Technical Advisory Group (MS4 TAG), which will facilitate cooperation and coordination with other MS4s in the Middle Rio Grande related to screening for illicit discharges.	<b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b> • Under MS4 Permit NMR04A000, COA has taken the lead on this program and is responsible for the dry weather screening and documentation for this existing program. Screening results will be provided to AMAFCA by COA and will be included in AMAFCA's Annual Report when provided. • AMAFCA will continue to perform inspections according to the applicable O&M Manuals and Plans. These inspections also function as dry weather inspections. • As part of AMAFCA's Levellogger monitoring, AMAFCA will continue to inspect all channelized inlets to the NDC on AMAFCA ROW monthly. AMAFCA will include the Levellogger monitoring memos in each Annual Report. In addition, AMAFCA will incorporate dry weather inspections into projects, as applicable, to increase the documentation of facility inspections. • AMAFCA will continue membership and involvement in the cooperative MS4 Technical Advisory Group (MS4 TAG) which will facilitate cooperation and coordination with other MS4s in the Middle Rio Grande related to screening for illicit discharges.	Met FY 2020 Goals.

NOI Section	ID	Permit Activity Description	Proposed Plan SWMP Rev. 4 - Dec. 1, 2019	Measurable Goals SWMP Rev. 4 - Dec. 1, 2019	Status of Implementation and Performance Assessment Permit Year July 2019 to June 2020 (FY 2020)
	155	<b>Floatables Monitoring - Part III.A.3</b>			
Not Included in NOI	156	<p>According to the requirements in <u>Part III.A.3</u>, The permittees shall establish locations for monitoring/assessing floatable material in discharges to and/or from their MS4. A cooperative monitoring program may be established in partnership with other MS4s to monitor and assess floatable material in discharges to and/or from a joint jurisdictional area or watershed basis.</p> <p>Floatable material shall be monitored at least twice per year at priority locations and at minimum of two (2) stations. The amount of collected material shall be estimated in cubic yards.</p> <p>a) One (1) station should be located in the North Diversion (only applicable to COA and AMAFCA).</p>	<p><u>Part III.A.3</u> - AMAFCA will continue to monitor floatable material and the amount collected in participation with other MS4s. AMAFCA will monitor floatable material in the settling area of the NDC and at the I-25/SDC Baffle Chute Stormwater Quality Facility. Note the NDC settling area is within the AMAFCA easement on Sandia Pueblo property, but that is where AMAFCA has monitored floatables for many years. The requirements in this Permit section will be completed in conjunction with the requirements in TABLE 7: Control of Floatables Discharges - Part I.D.5.f. AMAFCA monitors and tracks collection of floatables at all AMAFCA facilities.</p>	<p><b>Measurable Goals - SWMP Rev. 4 - Dec. 1, 2019</b></p> <ul style="list-style-type: none"> <li>• AMAFCA will continue to monitor floatable material and estimate the amount collected at least twice per year at a minimum of 2 stations.</li> <li>• AMAFCA will maintain its 5 drying stations, locations where floatable material, sediment and debris is hauled, separated, and properly disposed of. These stations help AMAFCA meet the requirements for this activity.</li> </ul>	Met FY 2020 Goals.

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