MS4 Self-Assessment

Roadways Program

Module 12

Name of the Permittee: City of San Antonio	MS4 Permit Number: WQ0004284000
Assessment Period:	

Permittee Instructions: Please complete the worksheet below. Please note that upon opening this Module, some content may be disabled such as the capacity to check inside the "boxes." The content can usually be activated by pressing "Enable Content" which will appear below the Toolbar in "MS Office."

ATTACHMENTS REQUESTED	Document attached
1. Attach an organizational chart.	☑ YES ☐ NO

ROADWAYS **Control Measure to maintain activities and a maintenance schedule for public streets, roads and highways for reducing the impact of discharges from municipal storm sewer system, including pollutants discharged as a result of deicing activities, on receiving waters.**	
1. In accordance with 40 CFR §122.26 [Phase I] has the permittee developed a *Storm Water Management Program (SWMP) that* describes how the **Roadways** Control Measure will be implemented?	☑ YES ☐ NO
2. What pollutants of concern are targeted for reduction through the implementation of the **Roadways** program?	
Response Floatable Debris and sediment along curb lines.	
ORGANIZATIONAL STRUCTURE	
1. Is there a storm water team in place to ensure that the **Roadways** program is properly implemented?	☑ YES ☐ NO
2. Describe the organizational structure and staff responsibilities necessary to implement the **Roadways** program. Include the name, title, contact information, department name and key responsibilities of each team member.	
Response Valerie Esparza, Operation Manager for Vegetation Management and Street Sweeping Programs 210-207-8745 City of San Antonio Street Sweeping Program Rolando Mata 210-206-8451 Operations Manager for Street Maintenance Program Francisco Newberry 210-207-6597 Operations Manager for Flood and Water Conveyance Maintenance Program Transportation and Capital Improvements Department of the City of San Antonio 114 W. Commerce,6th Floor San Antonio, Texas 85205	

3. What co-permittee or interagency departments will participate in the implementation of the **Roadways** Program?	
Response See Texas Department of Transportation Section	
4. Describe any formal agreements and key areas of responsibility shared by the permittee, co-permittee(s) and interagency departments in the implementation of the **Roadways** program.	
Response MS4 Permit	
5. Do program participants *(e.g., permittee, co-permittee, and other departments)* meet regularly to discuss the progress of the **Roadways** program?	☑ YES ☐ NO
6. Describe the frequency of these meetings.	
Response The permittee's meet annually to discuss MS4 permit program	
LEGAL AUTHORITY	
1. Does the permittee have legal authority to implement the **Roadways** program?	☑ YES ☐ NO
2. What ordinances, codes, or policies provide this legal authority?	
Response: City of San Antonio manages and maintains all City roadways. TXDOT manages highway system.	
3. Who *(e.g., specific staff, department, etc.)* has the authority to enforce this legal authority?	
Response: TCI and Texas Department of Transportation	

FISCAL RESOURCES

1. What is the budget for the implementation of the **Roadways** program?	**REPORTING PERIOD**	**NEXT REPORTING PERIOD**
	Response **3,297,836**	**Response** **3,297,836**

SECTION I: MEASURABLE GOALS

1. What are the Measurable Goals for the **Roadways** program? Include expected quantifiable results.	
Measurable Goal 1	Arterial and Collector annual gutter miles swept
Expected Quantifiable Results	1819 gm x 4
Measurable Goal 2	Residential annual gutter miles swept
Expected Quantifiable Results	6580 gm x 2
Measurable Goal 3	CBD annual gutter miles swept
Expected Quantifiable Results	63 gm x 353
Measurable Goal 4	Number of tons of floatable debris removed by program annually
Expected Quantifiable Results	n/a
2. Are these Measurable Goals described in the SWMP?	☐ YES ☐ NO

SECTION II: TRAINING/EDUCATION

STAFF

1. Does the permittee require staff to complete special, continuous and or annual training or obtain certification and or licensing to implement and manage the **Roadways** program?	☑ YES ☐ NO

2. If yes, describe the applicable training, certification or licensing and the required frequency for each.	
Response Training conducted on a bi-annual basis with equipment vendors	
3. Is there a system in place to notify staff and inspectors when required training is due, and does it document the training completion dates?	☐ YES ☑ NO
CONTRACTORS	
1. Is any part of this program contracted? If yes, what part is contracted?	☐ YES ☑ NO
Response	
2. What certification or licensing does the permittee require from contractors hired to manage aspects of the **Roadways** program?	
Response n/a	
SECTION III: MAINTENANCE and REPAIRS	
A. CATCH BASIN CLEANING	
1. Has the permittee identified the location of all the catch basins within its jurisdiction?	☑ YES ☐ NO
2. How many catch basins exist?	
Response 25,677 Catch Basins	
3. Does the permittee schedule inspections and cleaning for these catch basins?	☑ YES ☐ NO
4. How many catch basins are usually inspected and maintained each reporting year?	
Response Annually 880 in the CBD and 24,797 are service response requests	
5. Does the permittee meet its inspection and maintenance goals for the catch basins, each year?	☑ YES ☐ NO
6. Are inspections of storm drain pipes current?	☐ YES ☑ NO
B. ROAD MAINTENANCE	
1. How many miles of street are within the permittee's jurisdiction?	
Response: 4064 Miles	
2. Are streets swept and maintained regularly to collect floatables, debris and other pollutants?	☑ YES ☐ NO
3. What is the frequency of the street sweeping?	
Response Arterial and Collectors are swept 4 times a year, Residential is swept 2 times a year, and CBD is swept 363 days a year	
4. How does the permittee schedule and determine the street sweeping frequency *(by land use, trash and storm water pollutant levels generated, etc.)?*	
Response Street Classification (Arterial, Collectors, Residential and CBD)	
5. How often is street sweeping equipment maintained to ensure that it performs properly?	
Response Weekly	
6. Are BMPs used during road maintenance activities?	☑ YES ☐ NO
7. Describe these BMPs and how they are used in road maintenance.	

Response: Water trucks & equipment sprayers to provide dust control, sweeper to construction daily, Installation of temporary storm drainage BMP's.	
8. Are deicers used by the permittee?	☑ YES ☐ NO
9. Does the permittee track the type and amount of deicer used?	☑ YES ☐ NO
10. Does the permittee use sand and salts for road conditions?	☐ YES ☑ NO
11. Describe the time of the year and the conditions in which sand and or salt are applied for road conditions.	
Response See Texas Department of Transportation Section	
12. If applied, how soon after application does the permittee clean the streets of these substances?	
Response N/A	
13. Does the permittee sweep city owned and operated parking lots?	☑ YES ☐ NO
Response City parking lots are swept by the Center City Development Office	
14. Has the permittee evaluated its sanitary sewers to determine storm sewer cross-connections or overflow locations?	☑ YES ☐ NO
15. Are sewer spill and cleanup procedures in place?	☑ YES ☐ NO
16. Has sanitary sewer overflows occurred in the MS4?	☑ YES ☐ NO
17. If yes, how many overflows occurred?	
Response From Oct 1, 2013 until Sept. 30, 2014 there were 213 SSOs.	
18. Are the number of sanitary sewer overflows more or less comparable to the previous reporting period?	☐ YES ☑ NO
19. If more, describe measures taken to reduce these overflows.	
Response	
20. If less, describe measures that have been incorporated to reduce these overflows.	
Response SAWS developed and implemented a Capacity, Management, Operation, & Maintenance (CMOM) Program as part of the Consent Decree requirement. New Programs were developed and several existing Programs were enhanced to include: Training Program, Capacity Assurance Program to include flow monitoring and hydraulic modeling: Sewer Reporting and Documentation Procedures; the Sewer Overflow Response Plan (SORP); System-Wide Cleaning Program; Condition Assurance Program to include inspecting sewer mains, force mains, manholes and siphons; Lift Station Operation & Maintenance Program; Private Lateral Program; Fats, Oils Grease (FOG) Control Program; and an Inventory Program dealing with asset management.	
C. FLOOD MANAGEMENT PROJECTS	
1. Has an inventory of flood management structures been completed? In Progress	☑ YES ☐ NO
2. Have existing structures been assessed for storm water retrofit?	☑ YES ☐ NO
3. Do designs for new structures include water quality considerations?	☑ YES ☐ NO
D. STRUCTRUAL CONTROLS	
1. Are all municipal structural storm water controls inspected?	☑ YES ☐ NO

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1. Are all municipal structural storm water controls inspected?	☑ YES ☐ NO

2. How often are these municipal structural storm water controls inspected?	
Response Annually	
3. Are all green infrastructure practices maintained through regularly scheduled maintenance activities?	☐ YES ☑ NO

SECTION IV: RECORDS MANAGEMENT

1. Does the permittee have a database in place to track activities of the **Roadways** program?	☑ YES ☐ NO
2. What information *(e.g., cleaning, maintenance, installations, spills, repairs, location of structural controls, green infrastructures)* is tracked in the database for the **Roadways** program?	
Response Cleaning, spills, repair, and maintenance	
3. Who has access to the database?	
Response Each specific Department-TCI and Fire.	
4. Who is responsible for updating the database?	
Response Each Department ie: Supervisor, Superintendent and Managers	
5. What type of report is generated to document(s) the assessment of existing storm water controls?	
Response Monthly performance measures and City Infrastructure Management Plan	
6. Does the permittee update its SWMP to reflect current change and progress made in the **Roadways** program?	☑ YES ☐ NO

SECTION V: ASSESSMENT

1. Does the permittee assess the effectiveness of the **Roadways** program?	☑ YES ☐ NO
2. Based on the results of the effectiveness assessment, describe the positive results of the **Roadways** program.	
Response The City in partnership with San Antonio River Authority is studying the effectiveness of the sweeping program and identifying area of increase and decrease.	
3. Based on the results of the effectiveness assessment, what changes are proposed to enhance the **Roadways** program?	
Response None at this time until the completion of the study	
4. Does the permittee have adequate staff and equipment to implement the **Roadways** program?	☑ YES ☐ NO
5. Does the permittee assess the **Roadways** program to determine if it meets Measurable Goals and other indicators?	☑ YES ☐ NO
6. Does the permittee assess the **Roadways** program's compliance with the permit requirements?	☑ YES ☐ NO
7. Does the permittee generate an assessment report of the **Roadways** program for its records?	☑ YES ☐ NO
8. What departments are involved in the **Roadways** program assessment?	
Response Transportation and Capital Improvements Department	
Completed by (Print Name): Arthur Reinhardt IV, PE, CFM	

Signature:	**Date:** 7/28/15	
Job Title: Assistant Director, Storm Water Division		
Department: Transportation and Capital Improvements		
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City: San Antonio	**State:** Texas	**Zip Code:** 78205
Phone: 210-207-7785	**Email:** Arthur.Reinhardt@sanantonio.gov	