



ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY



1110 West Washington Street Phoenix, Arizona 85007
(602) 771-2300 www.azdeq.gov

Small MS4 Annual Report

ID #: AZSM65755

MS4 Name: CITY OF YUMA MS4

Reporting Period: 01-Jul-2019 - 30-Jun-2020

Main Office

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Annual Report Summary

Company Information

Name : CITY OF YUMA - ENGINEERING DEPARTMENT
155 W 14TH ST
YUMA
AZ , 85364

Question: During this reporting period, was additional land annexed into the regulated MS4 area?

Answer: Yes

Total Area Annexed into the MS4 Since the Last Annual Report: 74.33 acres

Were Best Management Practices (BMPs) fully implemented in the annexed area? Yes

TBD

Question: Is stormwater sewer mapping 100 percent complete?

Answer: Yes

Provide the description of the measurable goal:

Mapping has been complete since 2015.

Question: Is outfall mapping 100 percent complete?

Answer: Yes

Number of outfalls mapped: 4

Provide the description of the measurable goal:

We have four (4) areas mapped in what the City of Yuma refers to as its Priority Area which outfalls to the Colorado River.

Question: Is identification of receiving waters information 100 percent complete?

Answer: Yes

Provide the description of the measurable goal:

We have identified and mapped four (4) outfalls that discharge to the Colorado River (receiving water) for sampling and monitoring.

Question: Has an Illicit Discharge Detection and Elimination (IDDE) enforcement authority or other regulatory mechanism been established?

Answer: Yes

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Name	Title/Code/Citation	Effective Date	Inactive Date
City of Yuma Public Works Department	City of Yuma Ordinance No. O2005-15, Yuma City Code, Title 19, Chapter 194	05/15/2005	

Question: Has a Construction Site Stormwater Runoff enforcement authority or other regulatory mechanism been established?

Answer: Yes

Name	Title/Code/Citation	Effective Date	Inactive Date
City of Yuma Engineering Department and Department of Community Development	City of Yuma Ordinance No O2006-38, Yuma City Code, Title 15, Chapter 156	09/25/2006	

Question: Has a Post-Construction Stormwater Management enforcement authority or other regulatory mechanism been established?

Answer: Yes

Name	Title/Code/Citation	Effective Date	Inactive Date
City of Yuma Engineering Department	City of Yuma Ordinance No. O2007-78, Yuma City Code Title 19, Chapter 195	02/15/2008	

Question: For each receiving water, provide a brief description of the overall effectiveness of the BMP implemented to reduce the discharge of pollutants.

Answer:

Receiving Water: Colorado River-Main Canal - Mexico border

Type : Impaired/Non-attaining

Outfall Details

Sr.No.	Outfall or Field Screening Point	Outfall Name/Number	Latitude	Longitude
1	Outfall	Madison Ave at Colorado River	32.728613	-114.620191

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2	Outfall	9th Ave at Colorado River	32.73009	-114.630263
3	Outfall	17th Ave at Colorado River	32.731724	-114.640389
4	Outfall	19th Ave at Colorado River	32.731895	-114.642738

Has a sampling and analysis(SAP) been developed and implemented for this receiving water? Yes

Impairments:

TMDL Applicable: Yes

Parameters :

TOTAL NITROGEN AS N 1~TOTAL PHOSPHORUS~TOTAL SELENIUM (AS SE)~

BMP Info

BMP	Impairments	Receiving Water
Develop Illicit Discharge Detection and Elimination Ordinance		Colorado River-Main Canal - Mexico border
Conduct annual cleanup of the stormwater collection system.	TOTAL SELENIUM (AS SE)	
Develop and implement inspection and enforcement program for construction site runoff.		Colorado River-Main Canal - Mexico border
Develop and implement inspection and enforcement program for post-construction sites runoff control.		Colorado River-Main Canal - Mexico border

Provide a narrative of BMP effectiveness, including qualitative and quantitative indicators, in addressing pollutant discharge to this receiving water.

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Our current BMP process is not effective for reducing selenium discharge to the Colorado River at all four (4) of our mapped outfall locations. Outfall 2 (9th Avenue) and Outfall 4 (19th Avenue) have both exceeded 2.0 mg/L of selenium based upon laboratory analysis results three (3) storm events for this reporting period.

The City has been cleaning the retention basins in the Priority Area annual for several years, but not jet-cleaning the actual pipes that convey stormwater to the river. In an effort to reduce the amount of selenium reaching the river, the City will jet-clean Outfalls 2 and 4, and simultaneous vacuum the first flush from this process upstream of the outfall in an effort to capture polluted material before it reaches the river. We will take periodic samples over the course of this process in order to gauge its efficacy. Assuming we can get the water to run clean at the end of the process, then we have a baseline from which to judge future stormwater sampling results.

Question: For each BMP in the Minimum Control Measure 1: Public Education and Outreach, what was completed during this reporting period?

Answer:

BMP Name: Publish stormwater educational articles in newspapers

Category: Article

Personnel Position/Department: City of Yuma Engineering Department

BMP Description :

The City publishes; annually, stormwater pollution articles in the daily English and Spanish newspapers.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Targeted Audience: City Residents and Development Communities **Frequency:** 1 Annually

Milestone Description:

Annually publishing stormwater articles on newspapers for information about the City SWMP and NOI.

Were milestones/measurable goals achieved for this reporting period? No

ADEQ Directed Change: No

Provide a description of the reason(s) why milestones were not met and include measures that will be implemented to get back on schedule.

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We did not publish stormwater articles during this reporting period due to a management transition.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

We will publish in the local newspaper a stormwater pollution information notice in both English and Spanish before 30 September 2020.

BMP Name: Distribute educational materials to the public

Category: Brochures

Personnel Position/Department: City of Yuma Engineering Department

BMP Description :

The City has distributed and is continuing to distribute printed education materials to City residents. These materials are effective tools for educating the general public

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Targeted Audience: City Residents **Frequency:** 1 Quarterly

Milestone Description:

Educate the public about stormwater pollution

Were milestones/measurable goals achieved for this reporting period? No

ADEQ Directed Change: No

Provide a description of the reason(s) why milestones were not met and include measures that will be implemented to get back on schedule.

Brochures were not distributed due to a management transition.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

For the period beginning 1 July 2020 we have sent out information brochures to all of the citizens of Yuma who reside within the City's Priority Area as to what not to dump into storm drains, and how they can contact the City if the spot an illicit discharge. We will continue with an annual mailing in this fashion, and quarterly distribution at select public buildings across the City (e.g. schools, libraries, City Hall, etc.).

BMP Name: Publish stormwater educational materials on TV

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Category: Local PSAs

Personnel Position/Department: City of Yuma Engineering Department

BMP Description :

The City has published PSA in the local TV channels.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Targeted Audience: City Residents and Development Communities
Frequency: 1 Monthly

Milestone Description:

Produce Public Service Announcement PSA for telecast annually running monthly to reach a wide spectrum of audience.

Were milestones/measurable goals achieved for this reporting period? No

ADEQ Directed No

Change:

Provide a description of the reason(s) why milestones were not met and include measures that will be implemented to get back on schedule.

Brochures were not distributed due to a management transition.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

We have created a public service announcement that will be posted to the City website before 30 September 2020. This announcement will be available continuously.

BMP Name: Post stormwater educational materials in City website

Category: Webpage

Personnel Position/Department: City of Yuma Engineering Department

BMP Description :

Implement and maintain stormwater educational materials and messages in City website.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

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Targeted End Date: 09/29/2021

Targeted Audience: City Residents and Development Communities
Frequency: 1 Two times per year

Milestone Description:

Stormwater educational materials and messages in City website with latest updates

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start Date: 07/01/2018

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

We have links on our website to all of the following items: Storm Water Management Program (SWMP); Enforcement Response Plan (ERP); Illicit Discharge; Detection and Elimination Program (IDDE); Analytical Surface Water Monitoring Plan (AMP); Construction Site Runoff Controls; ADEQ NOI (Notice of Intent); Priority Area Maps July 2018; Drainage Policy 1670 & 1836; AZPDES Implementation O2006-38; Floodplain Management O2006-53.

We currently have no metrics in place to judge the efficacy of the BMP. Our supposition is, that our consultants and contractors would regularly reach out to us if there were an issue in accessing this information, for example, when they need to create a SWPPP.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

We are not currently planning any changes to the website with respect to stormwater information.

BMP Name: Education Materials to Development Community

Category: Mail Distribution

Personnel Position/Department: City of Yuma Engineering Department

BMP Description :

The City sends; annually, educational materials to the development community

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Targeted Audience: Development Communities
Frequency: 1 Annually

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Milestone Description:

Emphasis of impacts of stormwater pollution into the Colorado River that has been designated as impaired for dissolved oxygen and selenium.

Were milestones/measurable goals achieved for this reporting period? No

ADEQ Directed No

Change:

Provide a description of the reason(s) why milestones were not met and include measures that will be implemented to get back on schedule.

Brochures were not distributed due to a management transition.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

We will email or USPS mail our brochure out to our list of local consultants and contractors with whom we work.

Question: Minimum Control Measure 1: Public Education and Outreach, Did the program implement any additional BMPs during this reporting period?

Answer:

Did the program implement any additional BMPs during this reporting period? No

Provide a summary of compliance with the requirements for Minimum Control Measure1.

We are continuing with distribution of our informational brochure, website public service announcement and publishing information in the local paper.

Question: For each BMP in the Minimum Control Measure 2: Public Involvement and Participation, what was completed during this reporting period?

Answer:

BMP Name: Continue compliance with state and local public notice requirements

Category: Public Involvement

Personnel Position/Department: City of Yuma Engineering Department

BMP Description :

Continue compliance with state and local public notice requirements for new stormwater regulations and ordinance to get the public's input in the proposed ordinances and SWMP

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

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Frequency: 1 Annually

Milestone Description:

Continuous compliance with state and local public notice requirements for documentation of public meetings, notices provided and comments/inputs received and reporting of activities to the State in annual basis.

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start 07/01/2018

Date:

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

We inform the public of pertinent ordinances on our website and invite comment via that vehicle as well.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

No change for the next reporting period is anticipated.

BMP Name: Conduct annual cleanup of the stormwater collection system.

Category: Public Involvement

Personnel Position/Department: City of Yuma Engineering Department

BMP Description :

City conducted in the past, with the help of volunteers, catch basins stenciling program. No volunteers provided assistance in the last years. City switch to use City forces to clean all stormwater collection system components such as manholes and catch basins.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 One time event

Milestone Description:

Continue 301 catch basins and manholes at the Priority Area (P.A.) will be cleaned by June 2017. P.A. is the area draining into the Colorado River designated by ADEQ as impaired for dissolved oxygen and selenium.

Were milestones/measurable goals achieved for this reporting period? Yes

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Actual BMP Start 07/01/2018

Date:

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

We are cleaning catch/detention basins within our Priority Area each year with the number of basins cleaned dependent upon budget. At Outfalls 2 and 4 this (9th and 19th Avenues, respectively) limited cleaning has been insufficient and we have detected selenium concentrations exceeding 2.0 mg/L at both Outfalls for three storm events over the reporting period.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

We are planning on jet-cleaning and vacuuming the stormwater conveyance system for Outfalls 2 and 4 (9th and 19th Avenues) over the course of the next reporting period.

BMP Name: Update City Council on SWMP in annual basis.

Category: Public Involvement

Personnel Position/Department: City of Yuma Department of Engineering

BMP Description :

Educate City Council and the public on the impementation of SWMP.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 Annually

Milestone Description:

Educate City Council annually.

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start 07/01/2018

Date:

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

Our City Engineer gives an annual stormwater system update to the Council.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

No change. Our City Engineer will continue to provide an annual update to Council.

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BMP Name: Hold a public hearing on the SWMP and NOI.

Category: Public Participation

Personnel Position/Department: City of Yuma Department of Engineering

BMP Description :

Including the public to be involved and participate in the SWMP.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 One time event

Milestone Description:

Held the public hearing on April 2004

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start Date: 07/01/2018

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

The City has seen a decrease in stormwater pollution at construction sites.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

Provide useful information to the public pertaining to the stormwater and the latest revisions to the SWMP via the City's website.

Question: For Minimum Control Measure 2: Public Involvement and Participation, Did the program implement any additional BMPs during this reporting period?

Answer:

Did the program implement any additional BMPs during this reporting period? No

Provide a summary of compliance with the requirements for Minimum Control Measure2.

The City held a regular Council meeting where the stormwater system update was given which provides citizens the opportunity to comment at that time.

Question: For each BMP in the Minimum Control Measure 3: Illicit Discharge Detection and Elimination Program, what was completed during this reporting period?

Answer:

BMP Name: Create stormwater map that shows all outfalls and Waters of the United States.

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Category: Written IDDE Procedures

Personnel Position/Department: City of Yuma Department of Engineering

BMP Description :

The map will help City determine, eliminate illicit discharges and illegal dumping to the stormwater collection system with potential of reaching the Waters of the United States

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 Annually

Milestone Description:

Update the stormwater map annually with progress of CIP projects.

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start Date: 07/01/2018

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

Map is available via the City's website and we have had no negative feedback as to ease of access to it or the quality of the information.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

No change for the next reporting period.

BMP Name: Annual Staff Training

Category: Staff Training

Personnel Position/Department: City of Yuma Engineering Department

BMP Description :

Update Building Safety, Code Enforcement and Inspection Staff on current City stormwater regulations and implementation.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

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Frequency: 1 Annually

Milestone Description:

No of training employees - 40

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start Date: 07/01/2018

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

No updates were required.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

For the next reporting period, we have held a stormwater sample collection training on 15 July 2020 for the inspection staff on how to collect samples, and how to perform visual inspections of the system.

BMP Name: Develop Illicit Discharge Detection and Elimination Ordinance

Category: Written IDDE Procedures

Personnel Position/Department: City of Yuma Engineering Department

BMP Description :

Illicit Discharge Detection and Elimination Ordinance to prevent introduction of non-stormwater substance into the stormwater collection system and the Waters of the United States

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 Annually

Milestone Description:

Adoption and implementation of this ordinance with enforcement mechanism

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start Date: 07/01/2018

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

We have not had any illicit discharge reports over this reporting period of which we are aware.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

No changes are planned for the next reporting period.

BMP Name: Create outfall inspection program. during the dry season

Category: Dry Weather Screening

Personnel Position/Department: City of Yuma Public Works Department

BMP Description :

Outfall inspection program during the dry season to detect illicit discharges and illegal dumping into the storm drain.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 Annually

Milestone Description:

Perform dry weather monitoring once every year.

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start Date: 07/01/2018

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

Weed and trash maintenance is performed on an annual basis for each of our mapped outfalls.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

No changes are planned for the upcoming reporting period.

BMP Name: Create outfall inspection program during the wet season

Category: Wet Weather Monitoring

Personnel Position/Department: City of Yuma Public Works Department

BMP Description :

A new wet season inspection program will be in place as part of 2016 MS4 permit.

Is another government entity responsible for this BMP ? No

Measurable Goals:

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Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 Quarterly

Milestone Description:

The wet weather inspection will detect for illicit discharge after any storm that drops. The new illicit discharge detection and elimination program per the new 2016 MS4 permit will include wet weather monitoring for illicit discharges at the outfalls.

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start Date: 07/01/2018

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

No changes have been made as to how approach inspection.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

No changes are planned for how we perform inspections.

BMP Name: Create complaint-receipt system.

Category: Implement IDDE Program

Personnel Position/Department: City of Yuma Department of Engineering

BMP Description :

Hotline phone system connected with 24 hours response.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 Daily

Milestone Description:

Create and implement complaint-receipt and follow up system to identify locations of illicit discharges, cleanup and actions maybe taken by the City per Ordinance No. O2005-15

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start Date: 07/01/2018

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Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

The hotline is available to call 24/7. Ascertainment of the effectiveness of the hotline is subjective. No calls could me no problems or no reporting of them.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

No changes are planned for the next reporting period.

Question: For Minimum Control Measure 3: Illicit Discharge Detection and Elimination Program, Did the program implement any additional BMPs during this reporting period?

Answer:

Did the program implement any additional BMPs during this reporting period? No

Provide a summary of compliance with the requirements for Minimum Control Measure3.

No new BMPs were implemented.

Question: Were staff trained in IDDE Awareness and Response?

Answer:

No

Why weren't training events conducted?

Management transition.

Question: Minimum Control Measure 1: Illicit Discharge Detection and Elimination Program, Provide the details of the Illicit Discharge Detection and Elimination (IDDE) incidents that occurred during this reporting period.

Answer:

Number of IDDE incidents reported in this reporting period: 0

Number of IDDE incidents responded to in this reporting period: 0

Sr.No.	Enforcement Actions	Enforcements Issued	Enforcements Resolved	Enforcements Unresolved
1	NOV	0	0	0
2	NOC	0	0	0
3	Stop Work	0	0	0
4	Admin Order	0	0	0
5	Admin Fines	0	0	0

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6	Civil Penalties	0	0	0
7	Criminal Action	0	0	0
	Total	0	0	0

Question: Were there any unpermitted discharges to the MS4?

Answer: No

Question: Were any samples collected to characterize illicit discharge(s) in this reporting period?

Answer: No

Number of Illicit Discharges Sampled are: No illicit discharges were detected or reported.

Question: For each BMP in the Minimum Control Measure 4: Construction Activity Stormwater Runoff Control, what was completed during this reporting period?

Answer:

BMP Name: Develop and implement technical guidance material.

Category: Site Plan Review

Personnel Position/Department: City of Yuma Department of Engineering

BMP Description :

Introduce technical guidance materials to help architects, engineers, designers and contractors to implement best management practices of erosion control plans.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 One time event

Milestone Description:

City adopted Maricopa County Erosion Control Drainage Design Manual to help architects, engineers, designers and contractors to implement best management practices of erosion control plans. The technical guidance became part of the City plan review process.

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start Date: 07/01/2018

Date:

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

We have a published SWPPP plan review checklist on our website. We use this checklist to to review all submitted SWPPPs to the City, therefore, it is effective.

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Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

We will continuing utilizing this checklist.

BMP Name: Create and distribute educational materials

Category: Education/Public Involvement

Personnel Position/Department: City of Yuma Department of Engineering

BMP Description :

Create educational materials for the development community about erosion control ordinance.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 Annually

Milestone Description:

Involve the development community to be educated about erosion control ordinance and help implement its components.

Were milestones/measurable goals achieved for this reporting period? No

ADEQ Directed No

Change:

Provide a description of the reason(s) why milestones were not met and include measures that will be implemented to get back on schedule.

Management and staff changes.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

We have already sent out educational materials to our Priority Areas. We will distribute materials to schools, libraries, and City Hall over the course of the next 4 quarters of the reporting period year.

BMP Name: Develop and implement inspection and enforcement program for construction site runoff.

Category: Inspections

Personnel Position/Department: City of Yuma Department of Engineering

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BMP Description :

Prepare standard procedures for inspection and enforcement of erosion control ordinance.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 One time event

Milestone Description:

To help achieving the goals of erosion control ordinance. The City inspection and enforcement program became part of issuance of certificate of occupancy, revoking of permits, stop order or issuance of violations.

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start Date: 07/01/2018

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

Inspectors are writing and filing clear, concise reports of field investigation. We are working on increased enforcement activity which is not entirely within the purview of our inspection team. Enforcement has to be run through Engineering, Administration, and Legal at the City.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

We will continue with the same quality of inspection.

BMP Name: Develop and implement complaint-receipt program for construction sites.

Category: Enforcement

Personnel Position/Department: City of Yuma Department of Engineering

BMP Description :

Development and implementation of construction site complaint-receipt program system to receive public complaints and follow up.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 Annually

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Milestone Description:

Assist achieve the goals of erosion control ordinance. The complaint-receipt program is part of the City enforcement strategy.

Were milestones/measurable goals achieved for this reporting period? No

ADEQ Directed No

Change:

Provide a description of the reason(s) why milestones were not met and include measures that will be implemented to get back on schedule.

Changes in the City Council and Administration have slowed enforcement efforts. We have created an enforcement advisory letter. The focus of the letter is to remind the contractor/development community about timely filing of SWPPP inspection reports every two weeks as well as complying with stormwater pollution prevention regulations. We are awaiting approval on the letter from Administration.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

Increased enforcement activity is our goal.

BMP Name: Develop and implement erosion and sediment control ordinance

Category: Erosion/ Sediment Control

Personnel Position/Department: City of Yuma Engineering Department

BMP Description :

Develop and implement the erosion control ordinance with plan review, inspection and enforcement mechanism for construction sites that distribute one or more acres.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 Daily

Milestone Description:

Ordinance with plan review, inspection and enforcement components for full implementation of Ordinance O2006-38

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start 07/01/2018

Date:

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Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

The effectiveness of this control has been mixed due to reduced support for enforcement activities. We are filing accurate inspection reports in the field and noting any issues with SWPPP compliance.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

Up enforcement activity. Continue with high quality field inspection of construction activities.

BMP Name: Develop policies and procedures for plan review process.

Category: Enforcement

Personnel Position/Department: City of Yuma Department of Engineering

BMP Description :

Develop policies and procedures for plan review process.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 One time event

Milestone Description:

Develop and implement erosion and sediment control ordinance with plan review, inspection and enforcement to achieve goals of this MCM. The policies became part of the City plan review, approval, disapproval process as well as issuance of stop order and violations.

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start Date: 07/01/2018

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

We have a SWPPP plan review checklist that we use to assess SWPPP compliance as well as BMPs in our Standard Construction Details. Hence, they are effective at this stage.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

We will continue with the same practices for this reporting period.

BMP Name: Control waste from construction sites

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Category: Control Wastes

Personnel Position/Department: City of Yuma Engineering Department

BMP Description :

Construction operators are required to implement measures to control waste from construction sites falling under the umbrella of the construction program, as detailed in MCM No. 4 of the SWMP.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 Annually

Milestone Description:

Better implementation and control of pollution prevention from waste produced by construction activities

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start Date: 07/01/2018

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

Our field inspectors report construction site waste management issues on a regular basis. We monitor the cleanup process.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

No changes are planned in how we approach construction waste monitoring for this reporting period.

BMP Name: Training

Category: Construction Operator Training

Personnel Position/Department: City of Yuma Engineering Department

BMP Description :

Train development community to achieve the goals of erosion control ordinance

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 Annually

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Milestone Description:

Tangible reduction and elimination of pollutants from construction site stormwater runoff with inspection and enforcement procedures

Were milestones/measurable goals achieved for this reporting period? No

ADEQ Directed No

Change:

Provide a description of the reason(s) why milestones were not met and include measures that will be implemented to get back on schedule.

Management and staff changes.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

We plan on giving a training session similar to the City staff SWPPP refresher presentation to the contractors, engineers, and developers with whom we work most often.

Question: For Minimum Control Measure 4: Construction Activity Stormwater Runoff Control, Did the program implement any additional BMPs during this reporting period?

Answer:

Did the program implement any additional BMPs during this reporting period? No

Provide a summary of compliance with the requirements for Minimum Control Measure4.

We did not implement any additional BMPs over the last reporting period.

Question: Were any construction activity operator training events conducted?

Answer:

No

Why weren't training events conducted?

Management and staff changes. We have moved from a consultant-based model of SWPPP and stormwater monitoring program management to an in-house model in an effort to improve effectiveness of the program and save money.

Question: Minimum Control Measure 4: Construction Activity Stormwater Runoff Control, Provide the details of the construction activity complaints and inspections that were conducted during this reporting period.

Answer:

Number of active construction sites in this reporting period: 9

Has an inspection frequency been developed and implemented? YES

Number of active construction sites inspected at least weekly: 9

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Number of active construction sites inspected at least one time every six months: 9

Number of active construction sites inspected at least monthly: 9

Number of active construction sites inspected at least annually: 9

Number of construction activity complaints that were resolved or responded to: 22

Number of active construction sites not inspected: 0

Number of construction activity complaints received in this reporting period: 22

Number of active construction sites that required re-inspections in this reporting period: 5

Sr.No.	Enforcement Actions	Enforcements Issued	Enforcements Resolved	Enforcements Unresolved
1	NOV	22	22	0
2	NOC	0	0	0
3	Stop Work	0	0	0
4	Admin Order	0	0	0
5	Admin Fines	0	0	0
6	Civil Penalties	0	0	0
7	Criminal Action	0	0	0
	Total	22	22	0

Question: For each BMP in the Minimum Control Measure 5: Post-Construction Stormwater Management in New Development and Redevelopment, what was completed during this reporting period?

Answer:

BMP Name: Create Inventory of Industrial Facilities

Category: Inventory

Personnel Position/Department: City of Yuma Engineering Department

BMP Description :

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Inventory of industrial facilities in the Priority Area

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 Monthly

Milestone Description:

Prevent unauthorized and polluted discharges from industrial facilities into the MS4

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start Date: 07/01/2018

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

We do not have any industrial facilities in the Priority Area.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

N/A.

BMP Name: Develop and implement post construction runoff ordinance

Category: O&M Procedures

Personnel Position/Department: City of Yuma Engineering Department

BMP Description :

Develop and implement the ordinance with the plan review, inspection and enforcement mechanism for post-construction site that disturbs one or more acres.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 Daily

Milestone Description:

Ordinance with plan review, inspection and enforcement components for full implementation of prevention and reduction of post-construction stormwater pollution.

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Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start Date: 07/01/2018

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

We have plan review guidelines in place and an inspection process.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

No change for the next reporting period.

BMP Name: Develop policies and procedures for plan review process in post construction

Category: Site Plan Reviews

Personnel Position/Department: City of Yuma Department of Engineering

BMP Description :

Develop plan review process of requirements of post-construction ordinance and incorporate that in the plan review procedures and permit issuance

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 One time event

Milestone Description:

To help achieve the goals of post-construction ordinance.

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start Date: 07/01/2018

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

Yes, we have a plan review and permitting process through the New Development staff in the Engineering Department as well as the Department of Community Development.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

No changes are planned for our processes in the next reporting period.

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BMP Name: Create and distribute educational materials to prevent and reduce stormwater pollution

Category: Educational

Personnel Position/Department: City of Yuma Department of Engineering

BMP Description :

Create education materials for the developing community about post-construction ordinance.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 Annually

Milestone Description:

Involve the developing community to be educated about post-construction ordinance

Were milestones/measurable goals achieved for this reporting period? No

ADEQ Directed No

Change:

Provide a description of the reason(s) why milestones were not met and include measures that will be implemented to get back on schedule.

Management and staff changes.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

We are planning a training on this subject for the development, contractor and engineering community.

BMP Name: Develop and implement technical guidance materials.

Category: Structural/Non-Structural BMP

Personnel Position/Department: City of Yuma Department of Engineering

BMP Description :

Introduce technical guidance materials to help architects, engineers, designers and contractors to implement best management practices of post-construction ordinance.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

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Frequency: 1 One time event

Milestone Description:

City adopted Maricopa County Erosion Control Drainage Design Manual to help architects, engineers, designers and contractors to implement best management practices of post-construction ordinance.

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start Date: 07/01/2018

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

Yes, we have BMPs and guidelines in our Standard Construction Details and SWPPP plan review checklist.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

No changes are planned for the next reporting period.

BMP Name: Develop and implement inspection and enforcement program for post-construction sites runoff control.

Category: Enforcement

Personnel Position/Department: City of Yuma Department of Engineering

BMP Description :

Prepare standard procedures for inspection and enforcement of post-construction runoff ordinance.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 One time event

Milestone Description:

To help achieve the goals of post-construction ordinance.

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start Date: 07/01/2018

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

We have Ordinances and guidelines in place. City of Yuma Ordinance No. O2007-78, Yuma City Code Title, 19, Chapter 195.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

No changes planned for the next reporting period.

Question: For Minimum Control Measure 5: Post-Construction Stormwater Management in New Development and Redevelopment, Did the program implement any additional BMPs during this reporting period?

Answer:

Did the program implement any additional BMPs during this reporting period? No

Provide a summary of compliance with the requirements for Minimum Control Measure5.

No new BMPs were implement during the last reporting period.

Question: Minimum Control Measure 5: Post-Construction Stormwater Management in New Development and Redevelopment, Provide the details of the Post-Construction Stormwater controls used during this reporting period

Answer:

Number of sites that required Post-Construction Stormwater controls in this reporting period: 49

Number of Post-Construction Stormwater controls inspected in this reporting period: 0

Sr.No.	Enforcement Actions	Enforcements Issued	Enforcements Resolved	Enforcements Unresolved
1	NOV	0	0	0
2	NOC	0	0	0
3	Stop Work	0	0	0
4	Admin Order	0	0	0
5	Admin Fines	0	0	0
6	Civil Penalties	0	0	0
7	Criminal Action	0	0	0

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	Total	0	0	0
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Question: For each BMP in the Minimum Control Measure 6: Pollution Prevention and Good Housekeeping, what was completed during this reporting period?

Answer:

BMP Name: Train City Staff about stormwater pollution

Category: Training

Facility Information:

Desert Hills Golf Course Parks

Priority Area

Engineering, Public Works, Utilities and Community Development Staff

Basin with connection to to the Colorado River

Public Works Fleet Shop

Figueroa Avenue Water Pollution Control Facility

Desert Dunes Water Reclamation Facility

Kyla Police Evidence Storage Facility

City wide

Personnel Position/Department: City of Yuma Engineering Department

BMP Description :

Train staff to implement BMPs in City-owned industrial facilities

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 Annually

Milestone Description:

Understanding of stormwater pollution and help implementation of the SWMP

Were milestones/measurable goals achieved for this reporting period? No

ADEQ Directed No

Change:

Provide a description of the reason(s) why milestones were not met and include measures that will be implemented to get back on schedule.

Management and staff changes.

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Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

We have already held a staff training session for the next reporting period.

BMP Name: Inspection

Category: Inspections

Facility Information:

Desert Hills Golf Course Parks

City wide

Priority Area

Engineering, Public Works, Utilities and Community Development Staff

Basin with connection to to the Colorado River

Public Works Fleet Shop

Figueroa Avenue Water Pollution Control Facility

Desert Dunes Water Reclamation Facility

Kyla Police Evidence Storage Facility

Personnel Position/Department: City of Yuma Engineering Department

BMP Description :

Regular Inspections to implement SWPPP to prevent and reduce stormwater runoff from facility.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 Annually

Milestone Description:

Update SWPPP and perform annual comprehensive facility inspections in compliance with AZPDES MSGP

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start Date: 07/01/2018

Date:

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

Yes, we comply with all ADEQ inspection intervals and report the results.

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Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

No changes to our process are planned for the next reporting period.

BMP Name: Stormwater detention basins cleanup program

Category: O&M Procedures

Facility Information:

Priority Area

Basin with connection to to the Colorado River

Desert Hills Golf Course Parks

City wide

Engineering, Public Works, Utilities and Community Development Staff

Public Works Fleet Shop

Figueroa Avenue Water Pollution Control Facility

Desert Dunes Water Reclamation Facility

Kyla Police Evidence Storage Facility

Personnel Position/Department: City of Yuma Public Works Department

BMP Description :

Annual cleanup of stormwater detention basin.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 Annually

Milestone Description:

Cleanup all detention basins that pump or release controlled flow into the MS4 to the Colorado River annually.

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start Date: 07/01/2018

Date:

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

Yes, we inspect the basins monthly and clean them as needed.

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Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

No changes are planned for the next reporting period.

BMP Name: Updating Engineering Standards

Category: Written Procedures

Facility Information:

Priority Area

City wide

Personnel Position/Department: City of Yuma Engineering Department

BMP Description :

Update the City's Engineering Standards as required with the best management practices for construction standards.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 One time event

Milestone Description:

Add best management practices to City's Construction Standards to address the issue of the impairment of the River

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start Date: 07/01/2018

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

Yes, we have construction standards and bmps in place through our Construction Standard Details and stormwater/erosion control ordinances.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

No changes are planned for the next reporting period.

BMP Name: Create inventory of the construction projects

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Category: Inventory

Facility Information:

City wide

Priority Area

Kyla Police Evidence Storage Facility

Engineering, Public Works, Utilities and Community Development Staff

Basin with connection to to the Colorado River

Public Works Fleet Shop

Figueroa Avenue Water Pollution Control Facility

Desert Dunes Water Reclamation Facility

Desert Hills Golf Course Parks

Personnel Position/Department: City of Yuma Engineering Department

BMP Description :

Create inventory for the public and private construction projects required to prepare the SWPPP (greater than or equal to one acre or in the priority area)

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 Weekly

Milestone Description:

Regular update the inventory as the project plans are reviewed in the plan review process

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start Date: 07/01/2018

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

We have an inventory in our project management software. We have also extracted SWPPP-specific inspection data and results from this system and put them in a spreadsheet.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

No changes are planned for the next reporting period.

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BMP Name: Cleaning Basins

Category: Maintenance Schedule

Facility Information:

Priority Area

Basin with connection to to the Colorado River

Desert Hills Golf Course Parks

City wide

Engineering, Public Works, Utilities and Community Development Staff

Public Works Fleet Shop

Figueroa Avenue Water Pollution Control Facility

Desert Dunes Water Reclamation Facility

Kyla Police Evidence Storage Facility

Personnel Position/Department: City of Yuma Public Works

BMP Description :

Clean the basins.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 Annually

Milestone Description:

Evaluate basin cleaning operations and practices to ensure that all operations, standard procedures take into consideration stormwater pollution prevention components.

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start Date: 07/01/2018

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

Basins where we have consistent potential flooding and clogging issues are inspected monthly and cleaned as needed.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

No changes are planned for the next reporting period.

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BMP Name: Evaluate street sweeping operations and practices

Category: Maintenance Activities

Facility Information:

City wide

Priority Area

Engineering, Public Works, Utilities and Community Development Staff

Basin with connection to to the Colorado River

Desert Hills Golf Course Parks

Public Works Fleet Shop

Figueroa Avenue Water Pollution Control Facility

Desert Dunes Water Reclamation Facility

Kyla Police Evidence Storage Facility

Personnel Position/Department: City of Yuma Engineering Department

BMP Description :

City wide operation.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 Weekly

Milestone Description:

Evaluate street sweeping operations and practices ensuring that all the operations, standard procedures take into consideration stormwater prevention components.

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start Date: 07/01/2018

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

Yes, we do regular street sweeping and maintenance.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

No changes are planned for the next reporting period.

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Question: For Minimum Control Measure 6: Pollution Prevention and Good Housekeeping, Did the program implement any additional BMPs during this reporting period?

Answer:

Did the program implement any additional BMPs during this reporting period? No

Provide a summary of compliance with the requirements for Minimum Control Measure6.

No new BMPs were implemented in the last reporting period.

Question: Was staff training conducted?

Answer:

No

Why weren't training events conducted?

Management and staff changes.