



ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY



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

Small MS4 Annual Report

ID #: AZSM65709

MS4 Name: YUMA COUNTY MS4

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

Main Office

1110 W. Washington Street . Phoenix, AZ 85007
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Southern Regional Office

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Annual Report Summary

Company Information

Name : YUMA COUNTY - DEPARTMENT OF DEVELOPMENT SERVICES
2351 W 26TH ST
YUMA
AZ , 85364

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

Answer: No

Question: Is stormwater sewer mapping 100 percent complete?

Answer: Yes

Provide the description of the measurable goal:

Yuma County's Geographic Information System (GIS) stormwater sewer system map is complete and has been reviewed this reporting period to ensure all components have been included. The GIS stormwater sewer system map includes all infrastructure, drainage areas, outfalls, coordinates, roads, zoning districts, jurisdictional boundaries, and receiving waters with impaired segments.

Question: Is outfall mapping 100 percent complete?

Answer: Yes

Number of outfalls mapped: 5

Provide the description of the measurable goal:

Yuma County's Geographic Information System (GIS) stormwater sewer system map is complete and has been reviewed this reporting period to ensure all components have been included. The GIS stormwater sewer system map includes all infrastructure, drainage areas, outfalls, coordinates, roads, zoning districts, jurisdictional boundaries, and receiving waters with impaired segments. An additional outlet was included this reporting period simply to identify five (5) representative outfalls. The additional outfall included this reporting period does not discharge to Water of the United States but rather to a retention basin.

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

Answer: Yes

Provide the description of the measurable goal:

Yuma County's Geographic Information System (GIS) stormwater sewer system map is complete and has been reviewed this reporting period to ensure all components have been included. The GIS stormwater sewer system map includes all infrastructure, drainage areas, outfalls, coordinates, roads, zoning districts, jurisdictional boundaries, and receiving waters with impaired segments. Please note, Yuma County does not discharge stormwater directly to Water of the United States.

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

Answer: Yes

Name	Title/Code/Citation	Effective Date	Inactive Date
Ordinance	YUMA COUNTY ORDINANCE REGULATING STORMWATER QUALITY MANAGEMENT AND THE DISCHARGE OF STORMWATER/ARTICLE III ILLICIT DISCHARGES/SECTION 301-304	10/15/2007	

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
Ordinance	YUMA COUNTY ORDINANCE REGULATING STORMWATER QUALITY MANAGEMENT AND THE DISCHARGE OF STORMWATER/ARTICLE V RUNOFF CONSTROL/SECTION 501- 503	10/15/2007	

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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
Ordinance	YUMA COUNTY ORDINANCE REGULATING STORMWATER QUALITY MANAGEMENT AND THE DISCHARGE OF STORMWATER/ARTICLE VI POST CONSTRUCTION STORMWATER MANAGEMENT	10/15/2007	

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

Answer:

BMP Name: brochures

Category: Brochures

Personnel Position/Department: STAFF

BMP Description :

TWO PER YEAR. 300 COPIES PER LIBRARIES.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Targeted Audience: General Public **Frequency:** 2 Two times per year

Milestone Description:

Produce brochures for the website and for all the County libraries.

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

Actual BMP Start Date: 09/30/2016

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

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See Revised BMP

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

See Revised BMP

BMP Name: PSA

Category: Local PSAs

Personnel Position/Department: Staff

BMP Description :

County TV 4 Times per month

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Targeted Audience: general public **Frequency:** 1 Daily

Milestone Description:

Ads are in a loop when the county channel is not producing any programs.

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

Actual BMP Start Date: 09/30/2016

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

See Revised BMP

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: Yes

Milestone Description:

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? Yes

BMP Name: Stormwater Webpage

Provide a description of the BMP, include reason(s) for implementing the BMP, its effectiveness, frequency, and goal:

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Category: Webpage

Personnel Position/Department: Environmental Programs/Development Services

BMP Description:

Maintain the County's stormwater webpage with educational material and information related to the MS4 Program.

Measurable Goals:

Start Date: 9/30/2016

Targeted End Date: 9/29/2021

Targeted Audience: General Public

Frequency: 1 (Annually)

Milestone Description:

Ensure the County's MS4 webpage is available for general public use and current with stormwater related information including required documentation in accordance with general permit requirements (AZG2016-002). Webpage activity will be documented and reported annually.

Is another government entity responsible for this BMP?

No

BMP Effectiveness:

The County's Development Services-Environmental Programs webpage provides educational information and resources pertaining to the MS4 program, stormwater, and construction general permit compliance. The continuous updating of relevant information is important in maintaining the general public and interested parties informed. The effectiveness of the BMP was measured by documenting the frequency of public visits to the webpage. The goal of this BMP is to provide the general public an opportunity for discussion, information, and knowledge. A total of 1, 528 webpage views were recorded for the reporting period.

Will this BMP be used for future reporting periods?

Yes

Please add this BMP to the NOI to have it auto-populate in future annual reports

BMP Name: Public Education

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Category: Social Media

Personnel Position/Department: Environmental Programs/Development Services

BMP Description:

Provide educational outreach for the general public regarding environmental impacts of stormwater pollution.

Measurable Goals:

Start Date: 9/30/2016

Targeted End Date: 9/29/2021

Targeted Audience: General Public

Frequency: 1 (Annually)

Milestone Description:

Presentation via power point will be available for public view on Earth Day 2020 through the County social media page. An estimated amount of the general public reached will be documented and evaluated for the reporting period.

Is another government entity responsible for this BMP?

No

BMP Effectiveness:

Power point presentation was made available to the general public on Earth Day April 22, 2020 related to environmental topics including stormwater pollution prevention. The presentation was included in the County's social media page in an effort to reach a broad range of Yuma County residents. The goal was to educate and bring awareness to the general public about stormwater pollution prevention in an effort to keep the waters of Yuma County environmentally clean.

Will this BMP be used for future reporting periods? Yes

Please add this BMP to the NOI to have it auto-populate in future annual reports

BMP Name: Educational Material

Provide a description of the BMP, include reason(s) for implementing the BMP, its effectiveness, frequency, and goal:

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Category: Brochures

Personnel Position/Department: Environmental Programs/Development Services

BMP Description:

The Environmental Programs section will distribute educational brochures for the general public to increase awareness of stormwater pollution prevention.

Is another government entity responsible for this BMP?

No

Measurable Goals:

Start Date 9/30/2016

Targeted End Date: 09/29/2021

Targeted Audience: General Public

Frequency: 1 (Annually)

Milestone Description:

Distribution of educational stormwater pollution prevention brochures available to the general public will be performed annually. The amount of brochures distributed will be documented to evaluate BMP effectiveness.

Is another government entity responsible for this BMP?

No

BMP Effectiveness:

General public education is effective in increasing the knowledge and awareness about stormwater pollution prevention and water quality. Information provided to the general public can help influence practices that environmentally impact local water bodies. Yuma County Department of Development Services Environmental Programs section distributed stormwater pollution prevention educational brochures throughout County facilities. A total of 300 brochures were made available for the general public including topics regarding illicit discharges, swimming pool backwash disposal, and stormwater runoff. In addition, such educational material was also uploaded on the County's stormwater webpage for online use. Moving forward, Yuma County will continue to distribute educational material as a best management practice relating to stormwater pollution prevention for the general public.

Will this BMP be used for future reporting periods?

Yes

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BMP Name: Public Outreach

Provide a description of the BMP, include reason(s) for implementing the BMP, its effectiveness, frequency, and goal:

Category: Public Information

Personnel Position/Department: Flood Control/Engineering Department

BMP Description:

Perform public outreach opportunities to educate, inform, and request feedback from residents within affected area of proposed flood control drainage study.

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 (Annually)

Milestone Description:

Conduct public outreach opportunities for targeted communities with flooding and drainage concerns to increase knowledge and request input from residents. Document and record public outreach opportunity for reporting period.

Is another government entity responsible for this BMP?

No

BMP Effectiveness:

The public outreach opportunity for a proposed drainage study involving the Town of Gadsden and City of San Luis Arizona was effective in engaging community members with education, information, and participation. A total of ten (10) interested community members attended the meeting on October 17, 2019 held at the City of San Luis, AZ- Council Chambers. The Yuma County Flood Control District presented technical knowledge of the proposed drainage study in response to flooding concerns during storm events within the effected area. Input from residents was taken into consideration as experiences relating to the personal effects of significant stormwater events was shared. The Yuma County Flood Control District will continue perform public outreach opportunities for targeted communities with drainage concerns and document events for the following reporting period.

Will this BMP be used for future reporting periods? Yes

Please add this BMP to the NOI to have it auto-populate in future annual reports

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

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Yuma County recognizes that public education and outreach of stormwater matters is significant in increasing public knowledge of the MS4 program. During the reporting period Yuma County stormwater personnel distributed educational brochures to County facilities including libraries and the Department of Development Services. In addition, the stormwater webpage was reviewed and updated with additional stormwater educational material concerning various topics such as IDDE, illegal dumping, stormwater management, and after the storm information for public view. The Environmental Programs section provided a presentation which included stormwater pollution prevention on Earth Day 2020 that was streamed on the County social media page with an expectation to reach a broad range of County residents. The Yuma County Flood Control District hosted a public outreach opportunity to educate, inform, and engage members of the public with a proposed drainage study for an affected area. Yuma County has maintained permit compliance with minimum control measure one (1) by providing public education and outreach opportunities relating to stormwater issues.

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

Answer:

BMP Name: Meetings with Construction Personnel

Category: Public Participation

Personnel Position/Department: County Staff

BMP Description :

Meetings with Owners, engineers and construction personnel for about an hour and a half with County Staff about ordinances and related information to their construction parcels.

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:

Construction Personnel

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

Actual BMP Start Date: 09/30/2016

Date:

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

See Revised BMP

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Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: Yes

Milestone Description:

BMP Name: Website Storm water Management Plan

Category: Public Involvement

Personnel Position/Department: Environmental Staff

BMP Description :

The Storm water Management Plan is available to the Public on the County website.

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:

Website counts website hits.

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

Actual BMP Start Date: 09/30/2016

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

See Revised BMP

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: Yes

Milestone Description:

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? Yes

BMP Name: Pre-Development Meetings

Provide a description of the BMP, include reason(s) for implementing the BMP, its effectiveness, frequency, and goal:

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Category: Public Participation

Personnel Position/Department: Environmental Programs/Development Services

BMP Description:

Participate in project assessment meetings and inform/educate developers of regulatory MS4 compliance prior to construction.

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 2-Monthly

Milestone Description:

Document the number of meetings during reporting period and provide assessment of proposed development with respect to stormwater management. Referral to ADEQ made for potential Construction General Permit (CGP) requirements.

Is another government entity responsible for this BMP?

No

BMP Effectiveness:

Weekly meetings of proposed development within Yuma County are held at the Department of Development Services. The meetings include County staff composed of planners, engineers, building and fire code officials, and environmental health sanitarians. Regulatory information is provided to the applicant to ensure the proposed development is compliant with local, state, and federal requirements. A total of 32 pre-development meetings were held this reporting period in which stormwater compliance information was provided to the applicant. The BMP is effective in providing development guidance and regulatory information before construction start date. Nevertheless, Yuma County Development Services will continue to perform and document pre-development meetings for proposed construction.

Will this BMP be used for future reporting periods? Yes

Please add this BMP to the NOI to have it auto-populate in future annual reports

BMP Name: Special Event

Provide a description of the BMP, include reason(s) for implementing the BMP, its effectiveness, frequency, and goal:

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Category: Public Involvement

Personnel Position/Department: Public Works

BMP Description:

Organize a community event to raise public awareness and address illegal disposal of solid waste.

Measureable Goals:

Start Date- 09/30/2016

Target End Date: 09/29/2021

Frequency: 1 annually

Milestone Description:

Neighborhood clean up event will be advertised on Yuma County media channel for public information. Event will target illegal disposal of solid waste and inert material on desert land located in Foothills-Yuma, Arizona.

Is another government entity responsible for this BMP?

No

BMP Effectiveness:

A crew of 11 personnel from Yuma County Public Works headed by Jesus Salazar, Waste Management Lead Worker, organized a clean-up special event scheduled on 06/20/2020. Approximately 70 community members volunteered to help clean the desert area in the Foothills from 6am to 1pm. During this special event a total of two 50 yards containers weighted at 23.45 tons of garbage, one giant tractor tire, 6 passenger car tires, and trailer full with 14.00 tons of trash was collected from the desert. This was a very effective special event that contributed to awareness, teamwork, and potential behavior change within the community. Yuma County will continue to organize clean up events in an effort to facilitate public participation.

Will this BMP be used for future reporting periods?

Yes

Please add this BMP to the NOI to have it auto-populate in future annual reports

BMP Name: Flood Control Advisory Group Meetings

Provide a description of the BMP, include reason(s) for implementing the BMP, its effectiveness, frequency, and goal:

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Category: Public Involvement

Personnel Position/Department: Flood Control Section/Engineering Department

BMP Description:

Provide professional advice and recommendations on regional flood control issues including stormwater management within the Yuma County Flood Control District.

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 Quarterly

Milestone Description:

Discussion and recommendations related to stormwater management including Capital Improvement Projects (CIP), drainage studies, and general flood control concerns within Yuma County. Meetings are held on a quarterly basis and comply with State and local public notice requirements for public participation.

Is another government entity responsible for this BMP?

No

BMP Effectiveness;

The Yuma County Advisory Board study's the flood control, floodplain regulations, drainage and water conversation needs of the district, advise the Board of Supervisors as requested and may submit to the Board reports and recommendations relating to such studies. Three (3) Flood Control Advisory Group meetings were held this reporting period of which flood concerns, stormwater management, drainage projects, and Community Improvement Projects (CIP) were discussed including public involvement and participation opportunities. Flood Control Advisory Group meetings are an effective BMP as it relates specifically with stormwater management in an effort to protect public safety, flooding, and reducing pollutant contamination.

Will this BMP be used for future reporting periods?

Yes

Please add this BMP to the NOI to have it auto-populate in future annual reports

BMP Name: Records Management

Provide a description of the BMP, include reason(s) for implementing the BMP, its effectiveness, frequency, and goal:

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Category: Public Involvement

Personnel Position/Department: Environmental Programs/Development Services

BMP Description:

Provide records for public use including the Stormwater Management Plan, Annual Reports, Notice of Intent, AZPDES Permit, and supplementary records online.

Measurable Goals:

Start Date: 09/30/2016

End Date: 09/29/2021

Frequency: 1 (Annually)

Milestone Description:

Encourage public participation in review and implementation of the County's stormwater management program by providing records online. Website activity of stormwater webpage will be documented to evaluate public interest for reporting period.

Is another government entity responsible for this BMP?

No

BMP Effectiveness:

Public involvement and participation of the County's stormwater program provides an opportunity for stakeholders to contribute knowledge, share ideas, and concerns related to stormwater management within Yuma County. The environmental programs section reviewed the stormwater webpage to ensure the required SWMP, annual reports, and AZPDES general permit are available for review. The availability of these documents online are useful for reference and familiarity with stormwater compliance and development. A total of 1, 528 page views were recorded this reporting period for the stormwater webpage. Yuma County will continue to review and update the stormwater webpage to maintain the public informed and provided an opportunity for involvement.

Will this BMP be used for future reporting periods?

Yes

Please add this BMP to the NOI to have it auto-populate in future annual reports

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

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Yuma County encourages and acknowledges public feedback to strengthen the stormwater MS4 program. The County has fulfilled minimum control measure two (2) by providing public involvement opportunities through meetings, department webpage, and special event(s). A total of 32 pre-development meetings were held with developers of which stormwater compliance information was provided prior to construction. In addition, public involvement opportunities included Board of Supervisors meetings where members of the public can voice concerns regarding proposed subdivision development and compliance. The special event held in the Foothills-Yuma, AZ brought members of the public together with County staff in a community effort to clean up illegal dumping within a designated area. The special clean-up event provided an opportunity for public participation and involvement which contributed to teamwork and increased awareness of illegal solids waste disposal. Furthermore, a total of 3 Flood Control Advisory Group Meetings were also held this reporting period of which stormwater, flood control, and regional drainage projects were assessed. The County stormwater webpage is available for public view and contains educational information, SWMP, and annual reports. Yuma County has maintained permit compliance with MCM 2 and will continue to provide public involvement/participation opportunities for the following reporting period.

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: wet weather monitoring

Category: Wet Weather Monitoring

Personnel Position/Department: Environmental Staff

BMP Description :

Withing 48 hours of wet weather event, go monitor the outlets

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 2 Two times per year

Milestone Description:

The monitoring of the 4 Outlets at least two times per year during wet season.

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

Actual BMP Start Date: 09/30/2016

Date:

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

See Revised BMP

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: Yes

Milestone Description:

BMP Name: Dry weather Monitoring

Category: Dry Weather Screening

Personnel Position/Department: Environmental Staff

BMP Description :

Monitoring of the 4 Outlets at least twice during the dry weather season.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 2 Two times per year

Milestone Description:

Monitoring of the 4 Outlets at least twice a year.

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

Actual BMP Start Date: 09/30/2016

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

See Revised BMP

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: Yes

Milestone Description:

BMP Name: Complain management IDDE

Category: Implement IDDE Program

Personnel Position/Department: Environmental Staff

BMP Description :

Any complaints received by phone or in person are investigated immediately by Environmental Inspector and remedietly.

Is another government entity responsible for this BMP ? No

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Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 2 Weekly

Milestone Description:

Complaints received are investigated immediately and if under our jurisdiction are dealt at once.

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

Actual BMP Start Date: 09/30/2016

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

See Revised BMP

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: Yes

Milestone Description:

BMP Name: written Emergency Plan

Category: Written IDDE Procedures

Personnel Position/Department: Environmental Staff

BMP Description :

Written Emergency Response Plan has been done and is ready for action.

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:

Emergency Response Plan is ready.

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

Actual BMP Start Date: 09/30/2016

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

See Revised BMP

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Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: Yes

Milestone Description:

BMP Name: IDDE Presentation

Category: Staff Training

Personnel Position/Department: Environmental Staff

BMP Description :

Presented to County Staff at the library.

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:

Meeting with County Staff at least annually

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

Actual BMP Start Date: 09/30/2016

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

See Revised BMP

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: Yes

Milestone Description:

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? Yes

BMP Name: Remote IDDE Training

Provide a description of the BMP, include reason(s) for implementing the BMP, its effectiveness, frequency, and goal:

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Category: Staff Training

Personnel Position/Department: Environmental Programs/Development Services

BMP Description:

Provide remote IDDE training to Development Services non-stormwater staff in an effort to increase knowledge and awareness of potential illicit discharges during construction development.

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Is another government entity responsible for this BMP?

No

Frequency: 1 (Annually)

Milestone Description:

Provide IDDE training to Building Safety and Zoning Code Enforcement inspectors by means of power point presentation created by the Environmental Programs section. Document and record staff members that participated in the training event for the reporting period.

BMP Effectiveness:

Remote training of illicit discharge and detection was provided to Building Safety and Planning and Zoning staff for awareness during routine and construction site inspections. A total of ten (10) employees were provided with a power point presentation created by the Environmental Programs section in an effort to educate, inform, and provide additional MS4 compliance with general permit requirements. This BMP is effective with increasing communication among County staff by Building Safety and Planning and Zoning inspectors reporting potential illicit discharges to the Environmental Programs section for review.

Will this BMP be used for future reporting periods?

Yes

Please add this BMP to the NOI to have it auto-populate in future annual reports

BMP Name: Visual Stormwater Discharge Monitoring

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Category: Wet Weather Monitoring

Personnel Position/Department: Environmental Programs/Development Services

BMP Description:

Conduct visual stormwater discharge monitoring of representative outfalls to identify and/or eliminate potential illicit discharges into the environment.

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 2 (two times per year)

Milestone Description:

Monitoring of representative outfalls will be performed and inspected at minimum twice (2) during each wet season. Inspection reports consisting of outfalls, illicit discharges, and/or follow up screening will be documented.

BMP Effectiveness:

Visual stormwater discharge monitoring was conducted for the five (5) representative outfalls identified in the Notice of Intent. A minimum of two (2) stormwater discharge monitoring events were performed during the summer and wet season(s). No stormwater discharges from the representative outfalls were identified this reporting period for the wet season. Yuma County will continue to effectively inspect and visually monitor representative outfalls to identify and eliminate illicit discharges.

Will this BMP be used for future reporting periods? Yes

Please add this BMP to the NOI to have it auto-populate in future annual reports

BMP Name: Visual Dry Weather Discharge Monitoring

Provide a description of the BMP, include reason(s) for implementing the BMP, its effectiveness, frequency, and goal:

Main Office

1110 W.Washington Street . Phoenix, AZ 85007
(602)771-2300

Southern Regional Office

400 W.Congress Street . Suite 433 . Tucson, AZ 85701
(520)628-6733

www.azdeq.gov

Category: Dry Weather Screening

Personnel Position/Department: Environmental Programs/Development Services

BMP Description:

Conduct dry weather monitoring of representative outfalls and document findings by completion of an inspection report.

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 (Weekly)

Milestone Description:

Perform weekly inspections of representative outfalls and within seventy-two (72) hours after a storm event in an effort to identify and eliminate illicit discharges to the environment.

BMP Effectiveness:

Visual dry weather monitoring was performed for the representative outfalls identified in the Notice of Intent. No discharge was observed during visual dry weather monitoring conducted immediately after a storm event. Monitoring of outfalls will continue as part of the County's IDDE program to identify and eliminate non-stormwater discharges for the following reporting period.

Will this BMP be used for future reporting periods? Yes

Please add this BMP to the NOI to have it auto-populate in future annual reports

BMP Name: Complaint Hotline

Provide a description of the BMP, include reason(s) for implementing the BMP, its effectiveness, frequency, and goal:

Main Office

1110 W. Washington Street . Phoenix, AZ 85007
(602)771-2300

Southern Regional Office

400 W. Congress Street . Suite 433 . Tucson, AZ 85701
(520)628-6733

www.azdeq.gov

Category: Written IDDE Procedures

Personnel Position/Department: Environmental Programs/Development Services

BMP Description:

Maintain an illegal dumping complaint hotline available for public reporting on illicit discharges to the County's MS4 program.

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency 1 (Annually)

Milestone Description:

Inspect illegal dumping complaints and document findings by utilization of an inspection report. The number of complaints, discharge description, and enforcement actions taken will be reported on annually.

BMP Effectiveness:

Illegal dumping is a problem that affects public health and the environment. The Department of Development Services receives public complaints on a daily basis by email, phone, online, mail, and in person. Yuma County's illegal dumping hotline is available for residents to report the illegal disposal of solid waste, wastewater, hazardous waste, and other potential illicit discharges to the MS4 system. Complaints are typically responded to within 24 hours of notice to determine compliance. The Environmental Programs section received 8 total complaints this reporting period all referencing illegal disposal of solid waste material with no complaint(s) specifically for non-stormwater discharges. The complaint hotline number is an effective tool in reporting potential violations to the department from the public in addition to investigating and eliminating potential illicit discharges.

Will this BMP be used for future reporting periods?

Yes

Please add this BMP to the NOI to have it auto-populate in future annual reports

BMP Name: Stormwater Sewer System Mapping

Provide a description of the BMP, include reason(s) for implementing the BMP, its effectiveness, frequency, and goal:

Main Office

1110 W.Washington Street . Phoenix, AZ 85007
(602)771-2300

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400 W.Congress Street . Suite 433 . Tucson, AZ 85701
(520)628-6733

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Category: Implement IDDE Program

Personnel Position/Department: Environmental Programs/Development Services

BMP Description:

Maintain stormwater sewer system mapping including infrastructure, pump stations, and location of discharge outfalls with GPS coordinates.

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 (Annually)

Milestone Description:

Review and update the stormwater sewer system mapping annually to ensure the County's MS4 jurisdiction area is identified with all related components including new segments of infrastructure.

BMP Effectiveness:

Yuma County's stormwater sewer system mapping is complete and identifies all infrastructure, drainage areas, MS4 outfalls, roads, jurisdictional boundaries, zoning districts, and impaired segments of Waters of the United States. The stormwater sewer system map is important to the Environmental Programs section for investigating potential illicit discharges and/or connections within a suspected area. The image of the storm sewer network facilitates infrastructure identification and surrounding residential, commercial, and industrial uses. The continuous maintenance of the storm sewer system map is an effective BMP for the County's illicit discharge detection and elimination program.

Will this BMP be used for future reporting periods? Yes

Please add this BMP to the NOI to have it auto-populate in future annual reports

BMP Name: Enforcement Procedures

Provide a description of the BMP, include reason(s) for implementing the BMP, its effectiveness, frequency, and goal:

Main Office

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Category: Written IDDE Procedures

Personnel Position/Department: Environmental Programs/Development Services

BMP Description:

Initiate procedures to prevent illicit connections and discharges through enforcement actions using the Yuma County Ordinance Regulating Stormwater Quality Management.

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 (Annually)

Milestone Description:

Document the number of enforcement(s) issued, enforcement action type, resolved, and unresolved cases for the reporting period.

BMP Effectiveness:

Identifying and eliminating non-stormwater discharges into the County's MS4 program is a priority in order to maintain permit compliance and prevent contamination. Enforcement procedures to prohibit, investigate, and eliminate illicit discharges have been reviewed for this reporting period with no additional changes. In addition, no enforcement procedures were initiated this reporting period as a result of increased routine construction inspections and no illegal discharges identified and/or reported from the public to the Environmental Programs section. Yuma County is committed to reducing pollutants to the maximum extent practical and will continue to exercise best management practices to eliminate illicit discharges, connections, and construction runoff.

Will this BMP be used for future reporting periods? Yes

Please add this BMP to the NOI to have it auto-populate in future annual reports

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

Main Office

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Yuma County is committed to identifying and eliminating illegal connections and non-stormwater discharges from entering the stormwater sewer system. The selected best management practices utilized this reporting period included IDDE training, Visual Dry and Wet Weather Monitoring, Complaint Hotline, Storm Sewer System Mapping, and review of existing Enforcement Procedures. Representative outfalls inspected this reporting period did not identify illicit discharges during dry and wet weather monitoring. Yuma County did not have a significant rain event during the reporting period that produced a discharge from the storm sewer outfalls. Remote training was provided to the County's Building Safety and Planning and Zoning sections in an effort to educate, inform, and increase assistance with reporting of potential illicit discharges/construction runoff violations during inspections to the Environmental Program section. The GIS stormwater sewer system mapping was reviewed and updated during the reporting period to ensure readiness for identifying infrastructure, land uses, and potential illicit discharges within a suspected area. The Environmental Programs section responded to public complaints including from the Complaint Hotline number related to environmental nuisance and illegal disposal of solid waste. Enforcement Procedures were reviewed and determined to be adequate to accomplish the prevention and elimination of illicit discharges into the County's MS4 program. Yuma County has maintained general permit compliance with the requirements for Minimum Control Measure three (3)

Question: Were staff trained in IDDE Awareness and Response?

Answer:

Yes

Sr.No.	Date of Training Event	Training Subject	Number of Employees Trained	Frequency of Training
1	06/10/2020	IDDE	10	Annually

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

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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	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 found during this reporting period.

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: Inspection of wastes

Category: Control Wastes

Personnel Position/Department: Environmental Staff

BMP Description :

We do weekly inspection of waste on construction sites.

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:

we count the weekly waste inspection of construction sites.

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

Actual BMP Start Date: 09/30/2016

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

See Revised BMP

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: Yes

Milestone Description:

BMP Name: Education of Inspectors

Category: Education/Public Involvement

Personnel Position/Department: County Staff

BMP Description :

We have presentations to county inspectors about construction sites.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 2 Two times per year

Milestone Description:

Presentations to Staff are counted.

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.

See Revised BMP

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: Yes

Milestone Description:

BMP Name: Procedures for construction

Category: Written Procedures

Personnel Position/Department: Environmental Staff

BMP Description :

We have written procedures for inspection of Construction sites for new environmental staff.

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 every two years

Milestone Description:

We count and have written procedures for inspection of Construction sites for new environmental staff before they start and every 2 years.

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

Actual BMP Start Date: 09/30/2016

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

See Revised

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: Yes

Milestone Description:

BMP Name: Construction

Category: Inspections

Personnel Position/Department: Environmental Staff

BMP Description :

Weekly Inspections of construction sites

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:

We count the Weekly Inspections of construction sites

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

Actual BMP Start Date: 09/30/2016

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

See Revised BMP

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: Yes

Milestone Description:

BMP Name: Site Plan Reviews

Category: Site Plan Review

Personnel Position/Department: Staff

BMP Description :

Staff meets owner and engineers before approval of construction permits and informs them of Storm water Laws, NOI and ADEQ permits.

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:

Construction permits information is presented to Construction Personnel about Storm water Laws, NOI and ADEQ permits.

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

Actual BMP Start Date: 09/30/2016

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

See Revised BMP

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: Yes

Milestone Description:

BMP Name: Construction Operator training

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Category: Construction Operator Training

Personnel Position/Department: Environmental Staff

BMP Description :

Construction Operator Training is offered to all construction personnel.

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:

Construction Operator Training is offered to all construction personnel annually

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

Actual BMP Start Date: 09/30/2016

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

See Revised BMP

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: Yes

Milestone Description:

BMP Name: Sediment Control Inspection

Category: Erosion/ Sediment Control

Personnel Position/Department: Environmental Staff

BMP Description :

Checks construction inspections and calls the responsible party to keep sediment control down.

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:

we count inspections

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

Actual BMP Start Date: 09/30/2016

Date:

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

See Revised BMP

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: Yes

Milestone Description:

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? Yes

BMP Name: Department Training

Provide a description of the BMP, include reason(s) for implementing the BMP, its effectiveness, frequency, and goal:

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Category: Inspections

Personnel Position/Department: Environmental Programs/Development Services

BMP Description:

Provide training to department building safety and planning and zoning inspectors regarding illicit discharges and construction activity stormwater runoff. Review referred cases by non-stormwater staff that have identified potential deficiencies related to stormwater compliance.

Is another government entity responsible for this BMP?

No

Measurable Goals:

Start Date: 09/29/2016

Targeted End Date: 09/30/2021

Frequency: 1 (Annually)

Milestone Description:

Document and record for the reporting period staff members that participated in training event and investigate potential stormwater management violations reported to the Environmental Programs section.

BMP Effectiveness:

Education and training of non-stormwater staff assists in maintaining overall MS4 compliance for Yuma County. During this reporting period the Environmental Programs section created a power point presentation for Building Safety and Planning and Zoning inspectors that focused on stormwater runoff control and illicit discharges. The power point presentation was provided on June 10, 2020 to ten (10) staff members as part of the County's illicit discharge detection and elimination program to enhance the knowledge and compliance measures for stormwater management. Both specific Department section inspectors are involved in all facets of construction and are able to refer deficiencies and potential violations to stormwater staff during working hours. The Environmental Programs will continue to provide IDDE training to non-stormwater staff in order to increase the assistance in detecting, identifying, and eliminating illicit discharges to the County's MS4 program.

Will this BMP be used for future reporting periods?

Yes

Please add this BMP to the NOI to have it auto-populate in future annual reports

BMP Name: Sediment Control Inspections

Provide a description of the BMP, include reason(s) for implementing the BMP, its effectiveness, frequency, and goal:

Main Office

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Category: Erosion/Sediment Control

Personnel Position/Department: Environmental Programs/Development Services

BMP Description:

Inspect active construction sites on a weekly basis for sediment control compliance to prevent pollution runoff.

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:

Document and record weekly sediment control inspections for active construction site(s) including corrective and/or enforcement measures for non-compliance.

BMP Effectiveness:

Weekly sediment control inspections of active construction sites are performed to ensure sediment runoff is reduced and/or controlled. Sediment control measures for construction sites include silt fences, stabilized construction entrance/exit, storm drain inlet/outlet protection, and dust control. In addition, during construction the site shall post the Yuma County dust complaint hotline number for public notice and PM10 compliance dependent on location. The BMP for sediment control is effective in keeping dust down and further reducing pollutant runoff from construction sites.

Will this BMP be used for future reporting periods?

Yes

Please add this BMP to the NOI to have it auto-populate in future annual reports

BMP Name: Concrete Washout

Provide a description of the BMP, include reason(s) for implementing the BMP, its effectiveness, frequency, and goal:

Main Office

1110 W.Washington Street . Phoenix, AZ 85007
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Southern Regional Office

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Category: Control Wastes

Personnel Position/Department: Environmental Programs/Development Services

BMP Description:

Develop educational information to contractors regarding proper concrete washout best management practices for pollution prevention runoff control.

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:

Provide concrete washout best management practice information to contractors during pre-development meetings and construction site inspections. Document information provided to construction operators and evaluate BMP effectiveness for the reporting period.

BMP Effectiveness:

Concrete washout water contains toxic metals detrimental to human health and the environment. The Environmental Programs section provided educational material for developers and construction operators regarding concrete washout water best management practices to reduce pollution prevention runoff. The objective of the concrete washout water BMP is to reduce potential runoff pollutants and designate a specific area for the collection and retention of such waste using leak proof materials especially for commercial and subdivision development. The education material was provided to three (3) active construction sites during the reporting period. In evaluation, County stormwater staff determined the concrete washout water educational material provided to developers and construction operators to be effective as concrete waste management was performed in a manner consistent with stormwater runoff controls.

Will this BMP be used for future reporting periods?

Yes

Please add this BMP to the NOI to have it auto-populate in future annual reports

BMP Name: Construction Inspections

Provide a description of the BMP, include reason(s) for implementing the BMP, its effectiveness, frequency, and goal:

Main Office

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Category: Inspections

Personnel Position/Department: Environmental Programs/Development Services

BMP Description:

Perform construction site inspections to ensure stormwater best management practices are established and compliance with Yuma County MS4 program is maintained.

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:

Complete report of weekly site inspections and enforcement measures initiated of construction projects involving MS4 compliance.

BMP Effectiveness:

The frequency of weekly inspections performed for MS4 compliance on active construction sites has been an effective best management practice in controlling stormwater construction runoff. The weekly inspection program is able to address pollution prevention, deficiencies, and non-compliance enforcement measures with active construction sites. County stormwater inspectors performed a total of one-hundred and fifty (150) construction site inspections this reporting period for four (4) active construction sites. In evaluation, the frequent inspection program has improved communication with developers/construction operators in assuring best management practices for construction stormwater runoff are maintained thus reducing the possibility of non-compliance. Also, the weekly inspection program of active construction sites is also used to provide orientation and training to new employees and non-stormwater staff. Moving forward, Yuma County will continue to perform weekly inspections of active construction site to maintain compliance with general permit requirements.

Will this BMP be used for future reporting periods? Yes

Please add this BMP to the NOI to have it auto-populate in future annual reports

BMP Name: Construction Plan Review

Provide a description of the BMP, include reason(s) for implementing the BMP, its effectiveness, frequency, and goal:

Main Office

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Category: Site Plan Review

Personnel Position/Department: Environmental Programs/Engineering/Flood Control/Planning and Zoning/Development Services

BMP Description:

Perform site plan reviews for construction projects ensuring erosion and sediment control best management practices are implemented.

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:

Review construction site plans on a daily basis for permitting compliance, stormwater controls, design, and proximity to Waters of the United States.

BMP Effectiveness:

The Department of Development Services performs plan reviews for all type of development within Yuma County permitting jurisdiction. The Environmental Programs section reviews all projects that disturb one (1) acre including construction activities less than 1 (acre) but part of a larger common plan of development or sale. The type of review takes into consideration earth disturbance, watershed, MS4 sewer system, and development type. Best management practices are required for projects that are determined to meet the MS4 compliance criteria to prevent construction activity runoff with inspections performed on a weekly basis for active construction sites. Best management practices reviewed for proposed construction include concrete waste management, stormwater inlet protection, drainage calculations, buffer setback and screening, stabilized entrances, recycling of construction/demolition debris, sediment capture, etc. The construction plan review process and requirements for proposed development is effective in reducing construction activity runoff by assuring control measures are reviewed, approved, and effective.

Will this BMP be used for future reporting periods?

Yes

Please add this BMP to the NOI to have it auto-populate in future annual reports

BMP Name: Procedures for Construction Inspections

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1110 W.Washington Street . Phoenix, AZ 85007
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400 W.Congress Street . Suite 433 . Tucson, AZ 85701
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Provide a description of the BMP, include reason(s) for implementing the BMP, its effectiveness, frequency, and goal:

Category: Written Procedures

Personnel Position/Department: Environmental Programs/Development Services

BMP Description:

Provide orientation and training for new stormwater staff to facilitate familiarization with construction site inspections.

Is another government entity responsible for this BMP?

No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Milestone Description;

Mentor and support the development of new stormwater staff by performing weekly inspection training opportunities with active construction sites. Provide necessary tools and documentation utilized for construction site inspections.

BMP Effectiveness:

The proper training of new staff members with the skill and knowledge required to meet the objectives of the MS4 program is essential in maintaining permit compliance. Experienced stormwater staff reviewed inspection procedures and checklists this reporting period as part of program evaluation and new employee orientation. No changes were made to existing procedures as current measures were determined to be sufficient. The Environmental Programs section introduced stormwater related duties to one (1) new staff member and performed training including site inspections of outfalls, complaints, and active construction sites. Field training of new staff also consisted of compliance with approved plans, stormwater runoff controls, and best management practices for construction waste management. The review and self evaluation of inspection procedures is an effective BMP and necessary for MS4 program enhancement. Yuma County will continue to review inspection procedures on an annual basis and make changes when necessary.

Will this BMP be used for future reporting periods?

No

Provide a narrative as to why the BMP will not be continued:

BMP will be updated and used for future reporting.

BMP Name: Tracking and Recordkeeping

Main Office

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400 W.Congress Street . Suite 433 . Tucson, AZ 85701
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Provide a description of the BMP, include reason(s) for implementing the BMP, its effectiveness, frequency, and goal:

Category: Inspections

Personnel Position/Department: Environmental Programs/Development Services

BMP Description:

Maintain an inventory of inspection records pertaining to construction activities related to stormwater management compliance within Yuma County.

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:

Compile and document the number of all inspections performed for stormwater construction activities including corrective measures for active construction site(s) during the reporting period.

BMP Effectiveness:

Complete and organized record keeping of active construction sites is a cost effective best management tool that facilitates reference to permitted sites, stormwater plans, and IDDE tracing to protect water quality. The Environmental Programs documented the number of inspections for active construction sites performed this reporting period and maintained an inventory system consistent with the requirements of the construction activity stormwater runoff program components. Record keeping of performed inspections provided an opportunity for review of specific construction activity in determining compliance and/or needs for improvement. The ability to maintain organized records also strengthens the County's MS4 enforcement response plan as documented inspections underlining non-compliance will be used as supporting escalated enforcement measures. Yuma County will continue to document inspections and maintain organized records for active construction sites for the following reporting period.

Will this BMP be used for future reporting periods?

Yes

Please add this BMP to the NOI to have it auto-populate in future annual reports

BMP Name: Personnel Qualifications

Main Office

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Provide a description of the BMP, include reason(s) for implementing the BMP, its effectiveness, frequency, and goal:

Category: Inspections

Personnel Positions/Department: Environmental Programs/Development Services

BMP Description:

Provide professional development opportunities for assigned staff to strengthen knowledge and skills pertaining to the County's stormwater management program.

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:

Staff to attend training and/or acquire continuing education credits related to stormwater management annually. Document staff member training and/or certification for the reporting period.

BMP Effectiveness:

Professional development of subject matter is essential in maintaining MS4 compliance and competent stormwater staff. During this reporting period County inspector, Maria J. Gonzalez, R.S., completed the stormwater inspector certification requirements from the National Stormwater Center on August 22-23, 2019. The certification training course reinforced an in-depth understanding of stormwater permits, minimum control measures, inspections, and enforcement measures. Yuma County encourages continuing education and professional development of employees as experience, skills, and knowledge can be shared with the public and coworkers. Moving forward, staff will continue to attain certifications and/or continuing education credits regarding stormwater compliance.

Will this BMP be used for future reporting periods?

Yes

Please add this BMP to the NOI to have it auto-populate in future annual reports

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

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Yuma County has maintained permit compliance with the requirements for minimum control measure four (4) by utilization of the best management practices active this reporting period. Best management practices applied were determined to be effective which consisted of training(s), plan reviews, inspections, record keeping, and procedures. Training events for identifying construction runoff and illicit discharges included non-stormwater staff such as planning and zoning and building safety inspectors. Training was also provided to construction operators regarding concrete washout and overall stormwater compliance by providing a USB flash drive for social distancing due to COVID 19. Furthermore, Registered Sanitarian, Maria J. Gonzalez completed a stormwater inspector certification from the National Stormwater Center to enhance knowledge and professional development. Plan reviews completed by the Department included drainage calculations, stormwater pollution prevention plans, sediment control measures, buffer setbacks, and waste disposal to prevent construction activity runoff. In addition, a total of one hundred and fifty (150) stormwater compliance inspections were recorded for active construction sites and documented for the reporting period.

Question: Were any construction activity operator training events conducted?

Answer:

Yes

Sr.No.	Date of Training Event	Training Subject	Number of Employees Trained	Frequency of Training
1	06/27/2020	Construction BMPs	3	Annually

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:** 4
- Has an inspection frequency been developed and implemented?** YES
- Number of active construction sites inspected at least weekly:** 3
- Number of active construction sites inspected at least one time every six months:** 3
- Number of active construction sites inspected at least monthly:** 3
- Number of active construction sites inspected at least annually:** 4
- Number of construction activity complaints that were resolved or responded to:** 3
- Number of active construction sites not inspected:** 0

Number of construction activity complaints received in this reporting period: 3

Number of active construction sites that required re-inspections in this reporting period: 3

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
	Total	0	0	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: Training of Maintenance Staff

Category: Training

Personnel Position/Department: Public Works Personnel

BMP Description :

Training of Maintenance Staff Personnel is kept.

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:

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The training is counted.

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

Actual BMP Start Date: 09/30/2016

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

See Revised BMP

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: Yes

Milestone Description:

BMP Name: Site Plan Reviews

Category: Site Plan Reviews

Personnel Position/Department: County Staff

BMP Description :

Site Plans are reviewed prior to construction Permits by County Staff

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:

we count the pre-development meetings.

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

Actual BMP Start Date: 09/30/2016

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

See Revised BMP

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: Yes

Milestone Description:

BMP Name: Operation and Maintenance Procedures

Category: O&M Procedures

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Personnel Position/Department: Public Works Staff

BMP Description :

Operation and Maintenance Procedures are kept by Public Works Staff

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:

Public works Staff keeps records of O & M Procedures

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

Actual BMP Start Date: 09/30/2016

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

See Revised BMP

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: Yes

Milestone Description:

BMP Name: Structural/Non Structural BMP Meetings

Category: Structural/Non-Structural BMP

Personnel Position/Department: County Staff

BMP Description :

Structural and Non Structural BMPs are discussed by County Planners, Engineers and other staff in pre-construction meetings

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:

Pre-construction meetings are counted.

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

Actual BMP Start Date: 09/30/2016

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

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: Yes

Milestone Description:

BMP Name: Inventory

Category: Inventory

Personnel Position/Department: Environmental Staff

BMP Description :

We keep inventory of Post-construction Development and Redevelopment.

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:

We count the Inventory.

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

Actual BMP Start Date: 09/30/2016

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

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: Yes

Milestone Description:

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:

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Did the program implement any additional BMPs during this reporting period? Yes

BMP Name: Street Sweeping

Provide a description of the BMP, include reason(s) for implementing the BMP, its effectiveness, frequency, and goal:

Category: O&M Procedures

Personnel Position/Department: Yuma County Public Works

BMP Description:

Maintain a regular street sweeping program to collect and remove debris and trash from County roads.

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:

Document IDDE discharges during operation, debris tonnage, and record the number of miles swept during the reporting period.

BMP Effectiveness:

Yuma County Public Works street sweeping program is effective in collecting and removing debris, trash, metal particles and other wastes that accumulate on County public roads. Furthermore, such accumulation blocks street gutters which hinder proper drainage of stormwater and leads to potential pollution, flooding, and blockage of stormwater conveyance system(s). Yuma County Public Works performed a total of 1, 991.34 miles of street sweeping for this reporting period. In addition, a total of 810.34 tons of debris was removed and collected from County roads. The street sweeping maintenance program managed by Yuma County Public Works is an effective BMP as it cleans and minimized the burden on the storm sewer system. Yuma County will continue to perform the street sweeping program as post construction and IDDE stormwater management for the following reporting period.

Will this BMP be used for future reporting periods? Yes

Please add this BMP to the NOI to have it auto-populate in future annual reports

BMP Name: Flood Control Facilities

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Provide a description of the BMP, include reason(s) for implementing the BMP, its effectiveness, frequency, and goal:

Category: O&M Procedures

Personnel Position/Department: Flood Control/Development Services

BMP Description:

Perform an operation and maintenance program of the County stormwater sewer system including all infrastructure and related components.

Is another government entity responsible for this BMP?

No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Milestone Description:

Conduct quarterly inspections of pump stations, collections systems, basins, and discharge outlets. Document inspections and make necessary infrastructure repairs to stormwater sewer system.

BMP Effectiveness:

The Yuma County Flood Control District ensures stormwater facilities are efficient and operational for intended use. During the reporting period a total of ten (10) inspections were performed at different segments of the stormwater sewer system with no major deficiencies noted. Proper operation of pumps and collection systems is important specifically during rain events to prevent flooding and drainage concerns. Nevertheless, preventative maintenance of stormwater infrastructure can reduce system downtime, extend operational life expectancy, and overall maintenance costs. The Yuma County Flood Control District will continue to conduct preventative maintenance and document inspections of stormwater facilities for the following reporting period.

Will this BMP be used for future reporting periods?

Yes

Please add this BMP to the NOI to have it auto-populate in future annual reports

BMP Name: Inventory System

Provide a description of the BMP, include reason(s) for implementing the BMP, its effectiveness, frequency, and goal:

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Category: Inventory

Personnel Position/Department: Environmental Programs

BMP Description:

Maintain an inventory system consisting of paper and electronic files for all post construction structural control measures implemented within the County MS4 program.

Is another government agency responsible for this BMP?

No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 (Annually)

Milestone Description:

Inventory of post construction stormwater control measures will be updated annually for the reporting period.

BMP Effectiveness:

Yuma County Development Services has maintained an inventory system consisting of physical records, permit software, geographic information systems, and electronic records for post construction structural stormwater control measures installed and/or implemented at new development and redeveloped sites during the reporting period. The Environmental Programs sections manages the inventory related to the MS4 program as such information is stored and organized accordingly to facilitate use and reference for construction sites. Yuma County will continue to maintain an inventory of post construction stormwater control measures and perform updates annually.

Will this BMP be used for future reporting periods?

Yes

Please add this BMP to the NOI to have it auto-populate in future annual reports

BMP Name: Structural/Non Structural BMP Meetings

Provide a description of the BMP, include reason(s) for implementing the BMP, its effectiveness, frequency, and goal:

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Category: Structural/Non-Structural BMP

Personnel Position/Department: Development Services

BMP Description:

Structural and Non-Structural BMPs are discussed during construction meetings with developers by County Planners, Engineers, and Environmental Programs.

Is another government agency responsible for this BMP?

No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 (Weekly)

Milestone Description:

Provide regulatory information and guidance regarding structural and non-structural BMPs to be utilized during and after construction with developers. Document and record information provided to applicant during the meeting for the reporting period.

BMP Effectiveness:

Pre-Development meetings held with developers have been an effective BMP during the reporting period. During meetings, staff provides information to the applicant to ensure regulatory compliance for proposed construction is maintained within the County's jurisdiction. During meetings, specific discussion related to post construction stormwater controls highlights the importance of reducing and/or eliminating the potential discharge of pollutants from completed construction activities. Such meetings have proven to be effective in establishing requirements that will prevent runoff, guidance, and potential enforcement measures for non-compliance.

Will this BMP be used for future reporting periods?

Yes

Please add this BMP to the NOI to have it auto-populate in future annual reports

BMP Name: Flood Control Drainage Project

Provide a description of the BMP, include reason(s) for implementing the BMP, its effectiveness, frequency, and goal:

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Category: Structural/Non-Structural BMP's

Personnel Position/Department: Flood Control/Development Services

BMP Description:

Improve drainage conditions within affected community by constructing new infrastructure to collect and convey stormwater.

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 (Annually)

Milestone Description:

Perform drainage studies for communities and/or sites impacted by stormwater/flooding events.

Approved drainage studies by the Flood Control District and the Yuma County Board of Supervisors will commence construction of the storm drain improvement project.

BMP Effectiveness:

Storm drainage improvement projects reduce the risk of flooding, improve water quality, and provide community protection from stormwater events. The Yuma County Flood Control District completed the construction of the Farwest Storm Drain Improvement Project on November 01, 2019. The improvement project was approved in response to flooding concerns in several areas within the Foothills, Yuma, AZ. This project included the installation of 9, 150 lf of 18 inch, 4, 140 lf of 24 inch, 5, 420 lf of 36 inch, and 1 ,600 lf of 48 inch of RGCRP storm drain pipe with 102 catch basins. In evaluation, the Farwest Storm Drain Improvement Project has significantly enhanced the collection of stormwater within the affected area and conveyed for discharge to an existing retention basin located at Farwest Avenue and 36th Street in Yuma, AZ. The Yuma County Flood Control District will continue to perform drainage studies and coordinate approved community improvement projects as a best management practice for post construction stormwater management for the following reporting period.

Will this BMP be used for future reporting periods?

Yes

Please add this BMP to the NOI to have it auto-populate in future annual reports

BMP Name: Post Construction Design Review

Provide a description of the BMP, include reason(s) for implementing the BMP, its effectiveness, frequency, and goal:

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Category: Site Plan Reviews

Position Personnel/Department: Flood Control/Engineering/Planning and Zoning/Environmental Programs/Development Services

BMP Description:

Perform site plan reviews for post construction stormwater controls to reduce and/or eliminate the discharge of pollutants from constructed sites.

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:

Ensure daily site plan reviews for post construction stormwater management of new development and redevelopment sites in Yuma County consist of a design with structural/non structural best management practices.

BMP Effectiveness:

The post construction design review process for new development and redevelopment sites in Yuma County involve several technical sections within the Department of Development Services. The County's Planning and Zoning, Environmental Programs, Flood Control, and Engineering sections perform reviews that consist of buffer setbacks, drainage calculations, grading plans, SWPPP plans, and on-site retention of stormwater. The review of such control measures for post construction have been proven to be effective in reducing stormwater runoff and potential pollution from new, redeveloped, and existing construction sites within Yuma County.

Will this BMP be used for future reporting periods?

Yes

Please add this BMP to the NOI to have it auto-populate in future annual reports

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

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Yuma County has complied with the requirements for Minimum Control Measure five (5). Post construction stormwater management practices for this reporting period included Flood Control drainage projects, inventory, post construction design review, structural/non structural construction meetings, street sweeping, and Flood Control Facilities maintenance. A total of 32 project development meetings were held this reporting period of which structural and non structural best management practices was discussed with applicants regarding new development and/or redevelopment sites within Yuma County. Operation and maintenance of Flood Control Facilities was performed to ensure components of the stormwater collection system are efficient and in working condition. The County's street sweeping program contributed to the efficiency of the storm sewer system by cleaning and collecting debris, trash, and other wastes from public roads. Project design reviews for post construction stormwater management included drainage calculations, retention basins, setbacks, SWPPP documents, and grading plans in an effort to prevent impacts to water quality and public safety from stormwater runoff. The Department of Development Services maintained an inventory system of post construction stormwater controls for new and redevelopment sites for both public and private sector. Nevertheless, the Yuma County Flood Control District completed the Farwest Improvement Project during this reporting period and the overall quality of life in relation to stormwater management within the affected community has improved as flooding and drainage concerns have been addressed.

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: 0

Number of Post-Construction Stormwater controls inspected in this reporting period: 6

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

Answer:

BMP Name: No Facilities- 5

Category: Maintenance Schedule

Facility Information:

County Streets

Personnel Position/Department: STAFF

BMP Description :

NO 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:

NO FACILITIES.

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.

No facilities

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

No facilities

BMP Name: No Facilities- 3

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Category: O&M Procedures

Facility Information:

County Streets

Personnel Position/Department: STAFF

BMP Description :

NO 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:

NO FACILITIES

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.

No facilities.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

No facilities.

BMP Name: No Facilities

Category: Inspections

Facility Information:

County Streets

Personnel Position/Department: Staff

BMP Description :

No facilities.

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 Annually

Milestone Description:

No facilities.

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.

No facilities.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

No facilities.

BMP Name: No Facilities- 2

Category: Maintenance Activities

Facility Information:

County Streets

Personnel Position/Department: staff

BMP Description :

no 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:

no facilities.

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

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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.

No facilities.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

No facilities.

BMP Name: No Facilities- 4

Category: Training

Facility Information:

County Streets

Personnel Position/Department: STAFF

BMP Description :

NO 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:

NO FACILITIES.

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.

No facilities.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

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No facilities.

BMP Name: No Facilities- 1

Category: Inventory

Facility Information:

County Streets

Personnel Position/Department: staff

BMP Description :

no 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:

no facilities.

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.

No facilities.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

No facilities.

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.

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Municipal Operations:

Yuma County Department of Public Works maintains Multi-Sector General Permit (MSGP) coverage for all facilities. The following is a list of the active MSGP's issued to Yuma County Department of Public Works:

- AZMSG-63212-North Gila Sand and Gravel Mine
- AZMSG-62325-Roll Sand and Gravel Mine
- AZMSG-62936-Dateland Transfer Site
- AZMSG-63207-North Gila Valley Transfer and Tire Reuse Site
- AZMSG-62939-Tacna Transfer Site
- AZMSG-62938-Wellton Transfer Site
- AZMSG-68370-Mohawk Valley Maintenance Facility
- AZMSG-63202-Yuma County Dept. of Public Works Maintenance Facility

Question: Was staff training conducted?

Answer:

No

Why weren't training events conducted?

No facilities.

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CERTIFICATION OF SUBMISSION

MARIA JGONZALEZ

You validated your identity by answering your personal security question and password on myDEQ at **03:50 PM** on **09/25/2020**. At this time, you certified the summary information above by checking that you agreed to the following statement:

Certify your submission:

By checking this box I certify under penalty of law that this submittal was prepared by me, or under my direction or supervision of personnel appropriately qualified to properly gather and evaluate the information submitted. The information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I understand that all information submitted to ADEQ is public record unless otherwise identified by law as confidential. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

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