



ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY



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

Small MS4 Annual Report

ID #: AZSM65661

MS4 Name: CITY OF BUCKEYE MS4

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

Main Office

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Southern Regional Office

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(520)628-6733

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Annual Report Summary

Company Information

Name : CITY OF BUCKEYE DEPARTMENT OF PUBLIC WORKS
530 E MONROE AVE
BUCKEYE
AZ , 85326

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:

The MS4 area of Buckeye is 100% mapped.

The permit area may be observed on this website:

<https://www.buckeyeaz.gov/home/showdocument?id=7395>

The entire MS4 and non-MS4 stormwater structures may be observed on this website:

<https://buckyearizona.maps.arcgis.com/apps/opsdashboard/index.html#/d0965135ce7c4f98916d4bc9da8841f9>

Question: Is outfall mapping 100 percent complete?

Answer: Yes

Number of outfalls mapped: 1

Provide the description of the measurable goal:

There has been one discharge point discovered in the MS4 area. Please note, by definition, this discharge location is actually a Field Screening Point: a location(s) where stormwater leaves the MS4 permitted area to a Waters of the U.S. by way of a conveyance (such as another municipal storm sewer system - in this case, a private irrigation system). There is no other outfall nor field screening point in the MS4.

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

Answer: Yes

Provide the description of the measurable goal:

Identification of receiving waters is 100% complete. One identified Field Screening Point drains to a private irrigation tail water canal system that travels 2 miles before entering the Arlington Canal.

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
City Code chapters 9, 10, 16, 19, and 20	City Code §1921D, §205C, §1653 - 4, §9111K, §9111L, §926A, §943B.1, §943B.9, §943B.10, §1035, §1038	09/30/2016	

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

Answer: Yes

Name	Title/Code/Citation	Effective Date	Inactive Date
City Code chapters 19, 20, and 23	§1921D, §205C, §2321, and the Stormwater Drainage System Design Manual 500 (DM500)	09/30/2016	

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

Answer: Yes

Name	Title/Code/Citation	Effective Date	Inactive Date
City Code chapters 19, 20, and 23	§1921D., §205C, §2321, and the Stormwater Drainage System Design Manual 500 (DM500)	09/30/2016	

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

Answer:

BMP Name: Special Event(s)

Category: Special Event

Personnel Position/Department: Environmental Manager/Public Works

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BMP Description :

Public Works Week outreach event and other community outreach events throughout the year.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Targeted Audience: school-aged **Frequency:** 1 Annually

Milestone Description:

The City will continue to provide at least one outreach event each year. The City currently performs a Public Works Week outreach event to a targeted audience (primarily school-aged children, grades K-8) that includes a stormwater pollution prevention message. Additional outreach events shall be performed as they become available, such as special speaking events with the Chamber of Commerce.

Measurable goals will include the number of events or outreach activities held, the number of people directly spoken to, and types of outreach materials provided.

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.

The City held three major events that fit this BMP.

1. Public Works, and the City's Water Resources Department, partnered with Project WET to host the 2nd Annual Buckeye Water Festival. The stormwater pollution prevention messaging was included in each of the event's hands-on activities. Fourth grade classrooms throughout Buckeye's elementary schools were provided with classroom kits to teach the stormwater, water quality, and pollution prevention message. There were over 500 students and adults reached at the Water Festival event along with over 1,000 students reached with the classroom kits.
2. The City hosted its annual Air Fair at the Buckeye Municipal Airport as a STEM educational exhibit. Over 20,000 citizens participated in the event and many stopped by to view and participate in the City's pollution prevention messaging. Over 300 residents were directly contacted at this event, many of them school aged children.
3. During Earth Day, the City partnered with the Community Services Department and Republic Services to share the stormwater, pollution prevention, and recycling message to younger citizens and their parents through an online presentation.

Additionally, the City is a member of STORM (STormwater Outreach for Regional Municipalities) and fully participates in the various outreach opportunities this organization provides. See STORM's annual report for detailed public education, outreach, and participation events.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

If COVID and or other health mandated social distancing requirements are not in effect: the City will continue to provide at least one outreach event each year. The City intends to perform an outreach event to targeted audiences (primarily school-aged children, grades K-8) that includes a stormwater pollution prevention message. Additional outreach events shall be performed as they become available, with the purpose of reaching targeted audiences. This includes special speaking events with the Chamber of Commerce, STORM, other City activities , Home Owner's Association gatherings, and more. Measurable goals will include the number of events held, number of people directly spoken to, and types of outreach materials provided.

Note, this year's quantity of educational outreach events (fairs, festivals, etc.) was drastically reduced due to cancellations related to the COVID-19 outbreak.

BMP Name: General Educational Activity and Materials

Category: Social Media, Internet, Newspaper, Billing Inserts, Kiosks, other

Personnel Position/Department: Environmental Manager/Public Works

BMP Description :

General stormwater pollution prevention education and outreach. General topics shall include the definition of the MS4, the impacts of stormwater pollution on our environment and what the general public may do to prevent pollution. Activities may include email blasts, media postings (internet and local newspaper), billing inserts, public kiosks, and other venues as found and determined effective, as well as STORM, the Stormwater Outreach of Regional Municipalities.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Targeted Audience: all **Frequency:** 1 Daily

Milestone Description:

Type of outreach method used and the number of people reached.

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.

Educational information has been provided through public events with the assistance of the Buckeye Youth Council and other volunteers. All activities performed have been related to education on pollution prevention with the focus that solid waste is properly contained to prevent entry into the storm system or come in contact with stormwater. The frequency of this activity is annually, or at least 1 day of activity per year. There were multiple activities performed throughout the permit year. Although COVID-19 halted several scheduled outreach events, we were able to continue some limited digital outreach. Activities included email blasts, media postings (website, social media, and local newspaper), billing inserts, public kiosks, Facebook Live events, and other venues as found and determined effective, as well as STORM, the STormwater Outreach of Regional Municipalities.

Through targeted routine email blasts, with each email, the city has been able to send information out to over 20,000 residents on a consistent basis. E-blasts have had an average open rate of over 57%. The City has hosted two outreach events reaching over 800 people. The City also participated in various outreach events in conjunction with AZ Water and STORM. See STORM's annual report for details.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

The City continues to take advantage of various types of media outlets to spread the pollution prevention, stormwater quality message. Seeing an increase in the social media interactions and website page views encourages us to continue our messaging in this manner.

BMP Name: Targeted Outreach

Category: Planned and Targeted Outreach

Personnel Position/Department: Environmental Manager/Public Works

BMP Description :

Use discovered pollution sources through implementation of MCM3 and demographics to choose and perform outreach activities.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 01/01/2018

Targeted End Date: 09/29/2021

Targeted Audience: all ***Frequency:*** 1 Annually

Milestone Description:

Number of targeted audiences addressed, the number of people reached. Additional goals may include a measure of change of volume of pollution over time as pollution areas and sources become known and measurable.

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

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Actual BMP Start 01/02/2018

Date:

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

Targeted outreach includes heads of households. Our email blast from Public Works specifically addresses information that heads of households need to know regarding proper disposal of trash. As illegal dumping is the highest stormwater related concern, reduction in illicit discharges along rights-of-way, increased participation in city's solid waste removal program (bulk waste, landfill certificate issuance, additional trash cart requests, Adopt-A-Road clean-up program)., and use of the household hazardous waste program is of high importance. With the continued growth, the City routinely reviews demographic data provided by MAG. Once we have defined the audience, we determine targets within the audience, define metrics of effectiveness (population reached). The City has four target audiences: school age, young adult, adult, and elderly adult. There is a 70/30 split between owners and renters. The City provided targeted pollution prevention education to adult home owners in-person events, digitally, and in print form. Improper disposal of waste remains the most significant source of pollution in the City as seen in the results for MCM3.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

Number of targeted audiences addressed, the number of people reached. Additional goals may include a measure of change of volume of pollution over time as pollution areas and sources become known and measurable.

BMP Name: Annual Evaluation

Category: Press Release

Personnel Position/Department: Environmental Manager/Public Works

BMP Description :

Modification of ineffective messages and techniques.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 07/01/2017

Targeted End Date: 09/29/2021

Targeted Audience: all **Frequency:** 1 Annually

Milestone Description:

An annual review of the outreach programs will be performed to determine the effectiveness of the activities using an efficiency matrix of the resources expended compared to the number of people reached. Measurable goal shall be annual results of the efficiency matrix and evaluation and adjusting of the program based on the results.

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

Actual BMP Start Date: 07/01/2017

Date:

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

Increased effective platform usage (eblasts, social media, website) to provide messaging. We saw a continual increase of residents signing up to receive targeted information from the City. As the population has increased, so has the demand for concise and accurate information. Annual review of FY20 program resulted in the noted increase in citizen participation of City's messaging efforts. Response to email blasts has been a good indication of effective messaging. Although responses are not officially recorded, the number of opened emails from the email blast can be readily seen. This has increased from 50% to almost 70% during this reporting year.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

An annual review of the outreach programs will be performed to determine the effectiveness of the activities using an efficiency matrix of the resources expended compared to the number of people reached. Measurable goal shall be annual results of the efficiency matrix and evaluation and adjusting of the program based on the results.

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

Answer:

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

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

Public Education and Outreach was carried over from FY19 to FY20 and included email, website, social media (Facebook, Next Door, Twitter), printed utility billing inserts, printed newspaper inserts, and outreach events. The City noticed an increase in its participation through email and social media channels and a reduction in reported pollution within the City.

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

Answer:

BMP Name: Public Availability

Category: Public Participation

Personnel Position/Department: Environmental Manager/Public Works

BMP Description :

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Make the Stormwater Management Program, Permit, Annual Reports, and other documentation related to permit operation and compliance available to the public. Keep the information up to date. Submit a news report or notice to the public of the availability of the documentation.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 06/30/2021

Frequency: 1 Annually

Milestone Description:

Record the locations of the information and the type of information available. Record the date and type of notice provided to the public.

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

Actual BMP Start Date: 07/01/2018

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

Information accessible for review and comment by the public is located on the City's website www.buckeyeaz.gov/stormwater. Reporting is available through the following methods: fill-able website forms, direct email, phone calls to City offices, website pages related to the stormwater quality, pollution prevention, and citizen engagement in addition to many other links for further information. Decentralizing the locations of this contact information is necessary due to the variety of communication needs presented by a diverse population.

All stormwater pollution prevention contacts and concerns, and program activities is available to the public for review on the city website at www.buckeyeaz.gov/trash. Citizens are encouraged to visit the website containing this information and are reminded on a monthly basis by email.

During FY20, 10 direct emails were sent to citizens; the city did not receive any comments regarding its MS4 stormwater program documentation. This shows citizens do not care about implementation, they care about results.

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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Citizens are concerned about things that directly affect their life. Stormwater pollution prevention is not high on their list of concerns due to the lack of surface water in the region, and lack of stormwater runoff that actually leaves developed areas. To ensure the understanding of the need for stormwater pollution prevention stays in the forefront of resident's minds, the city continues to make the Stormwater Management Program, Permit, Annual Reports, and other documentation related to permit operation and compliance available to the public, and relates the information to items that do matter to the public - specifically: a clean city, clean streets, clean parks, and clean green spaces.

The information will be kept up to date, and we will continue to submit news reports or notices to the public of the availability of the documentation and program activities.

BMP Name: Public Reporting

Category: Public Participation

Personnel Position/Department: Environmental Manager/Public Works

BMP Description :

Provide methods for the public to comment on all aspects of the Stormwater Management Program.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 10/31/2017

Targeted End Date: 06/30/2021

Frequency: 1 Annually

Milestone Description:

Annually record the number and type of communication methods for the public to provide communication to the City. Annually record the number of comments received.

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

Actual BMP Start Date: 07/01/2018

Date:

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

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The City maintains its website as an avenue for the public to comment on any aspect of the stormwater program. Citizens have opportunities to participate in many pollution prevention activities to help eliminate fugitive waste streams. Engineering, Development Services, Public Works, and Codes Departments work alongside one another to ensure compliance with City codes and ordinances and allow development and citizens provide comment on the City's stormwater program. During FY20, the City did not receive one comment regarding stormwater program documentation located on the City's website.

The City responded to 29 spill response complaints ensuring materials were promptly removed before entering the stormwater system.

One of the challenges of the stormwater program in the Sonoran Desert is that the majority of the population does not understand the connection between stormwater and the municipal requirements regarding pollution prevention. This is mostly due to the lack of surface waters and lack of surface waters that any of our urban areas drain to. Because of this lack of care, there is no concern about our stormwater report. In previous years we have directed people to our report, and have had no interest. To remedy this issue, and create value to the public, we note things that the population does care about, and then add our message to that information. Everyone cares about monsoon safety and mosquitos, and everyone cares about Bulk Trash Schedules.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

Annually record the number and type of communication methods for the public to provide communication to the City. Annually record the number of comments received.

BMP Name: Public Participation Through Volunteerism

Category: Public Involvement

Personnel Position/Department: Environmental Manager/Public Works

BMP Description :

Volunteer events and activities shall be performed annually including bulk trash, improper disposal, clean-up activities, outreach events, speaking engagements, Adopt-A-Road, and Household Hazardous Waste drop off.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 Annually

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Milestone Description:

The Department shall hold and invite the public to assist in cleaning up improper disposal areas throughout the City including, but not limited to, individual clean-up activities and Adopt-A-Road. Measurable goals shall be to offer these services and record the amount of material collected, the number of volunteers involved, and other measurable information as it becomes available.

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

Actual BMP Start Date: 07/01/2018

Date:

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

Adopt-A-Road program continued as scheduled with multiple groups covering high-traffic areas throughout Buckeye. City saw increased participation in residential bulk clean-up, an increase in landfill certificates, as well as extra trash carts. The City experienced fewer illegal dumping incidents. Staff worked with community groups via speaking engagements. The City saw an increase in the HHW monthly drop-off program at the Public Works yard and the annual HHW collection event in north Buckeye.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

The Department shall hold and invite the public to assist in cleaning up improper disposal areas throughout the City including, but not limited to, individual clean-up activities and Adopt-A-Road. Measurable goals shall be to offer these services and record the amount of material collected, the number of volunteers involved, and other measurable information as it becomes available.

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

Answer:

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

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

The City provides events for public participation and methods for public to report IDID (Illicit Discharge & Improper Disposal) such as neighborhood clean-ups, Adopt-A-Road, etc. The City (various depts.) hosts a phone line and website to report pollution concerns. We've expanded our presence on social media and continue to interact with citizens of varying demographics through these outlets promoting pollution prevention and providing resources to report IDDE. In FY20, we hosted household hazardous waste drop-off events (monthly from July through February, and a specialized event). We provide significant opportunities for the community to recognize and report concerns and complaints as well as becoming involved in improving awareness regarding pollution prevention. These events help remove the potential of pollution from entering the City's right-of-way. The City saw an increase in pollution prevention activities: bulk trash placement, decreased illegal dumping, increased residential trash cart usage, additional requests for landfill certificates, and increased participation in the City's household hazardous waste program.

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: Outfall Inventory

Category: Outfall Inventory

Personnel Position/Department: Environmental Manager/Public Works

BMP Description :

Record outfall structures to all Waters of the United States (WOTUS).

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 01/01/2017

Targeted End Date: 06/30/2020

Frequency: 25 Percent per year

Milestone Description:

This coincides with the City's mapping program. Map all outfalls from the MS4 to all WOTUS (as determined by ADEQ and Federal Law and as listed in AAC R18-11 and USGS).

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

Actual BMP Start Date: 07/01/2018

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

There are no additional outfalls identified within the MS4 during FY20.

With the entire MS4 storm system mapped, the one outfall identified has been clarified to be a Field Screening Point that discharges to irrigation tail-water canal.

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Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

This City's mapping program will continue to be perfected. The City will map all outfalls from the MS4 to all WOTUS (as determined by ADEQ and Federal Law and as listed in AAC R18-11 and USGS). With the state currently reviewing WOTUS definitions, and with constant new development, the system will continue to be monitored and updated as needed.

BMP Name: Analytical Monitoring

Category: Analytical Monitoring

Personnel Position/Department: Environmental Manager/Public Works

BMP Description :

Maintain a method to perform analytical monitoring for discharges to impaired, non-attaining, or Outstanding Arizona Waters, and per ADEQ notification to ensure protection of receiving water quality or permit compliance is occurring.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 06/30/2021

Frequency: 4 Annually

Milestone Description:

As required, if the city discharges to an impaired water, non-attaining water, Outstanding Arizona Water, or if written notification from ADEQ as prescribed in the permit is received, analytical monitoring will occur twice during each wet season (Summer Wet Season: June 1 through October 31, Winter Wet Season: November 1 through May 31) , or on another schedule as determined appropriate as dictated by an approved Total Maximum Daily Load.

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.

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As required, if the city discharges to an impaired water, non-attaining water, Outstanding Arizona Water, or if written notification from ADEQ as prescribed in the permit is received, analytical monitoring will occur twice during each wet season (Summer Wet Season: June 1 through October 31, Winter Wet Season: November 1 through May 31), or on another schedule as determined appropriate as dictated by an approved Total Maximum Daily Load.

During this permit cycle, the City was not required to conduct analytical monitoring. There is a process in place in the event the City is required to perform this type of monitoring. However, during FY20, the City was not required to perform analytical monitoring.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

As required, if the city discharges to an impaired water, non-attaining water, Outstanding Arizona Water, or if written notification from ADEQ as prescribed in the permit is received, analytical monitoring will occur twice during each wet season (Summer Wet Season: June 1 through October 31, Winter Wet Season: November 1 through May 31), or on another schedule as determined appropriate as dictated by an approved Total Maximum Daily Load.

BMP Name: MS4 Mapping

Category: Mapping

Personnel Position/Department: Environmental Manager/Public Works

BMP Description :

MS4 mapping

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 01/01/2017

Targeted End Date: 06/30/2020

Frequency: 25 Percent per year

Milestone Description:

Information is to be entered into GIS or other usable mapping format. Measurable goal shall be 25% of the urbanized, developed areas to be mapped each year.

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

Actual BMP Start Date: 07/01/2018

Date:

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

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100% of the MS4 has been mapped using ESRI GIS products. The map is available online at <https://buckyearizona.maps.arcgis.com/apps/opstdashboard/index.html#/d0965135ce7c4f98916d4bc9da8841f9>

As the city continues to grow and build in its urbanized planning region, the stormwater infrastructure is mapped, although it is not part of the MS4.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

Information is to be entered into GIS or other usable mapping format. Measurable goal shall be 25% of the urbanized, developed areas to be mapped each year. 100% of the stormwater infrastructure within the MS4 has been mapped.

BMP Name: Implement IDDE Program

Category: Implement IDDE Program

Personnel Position/Department: Environmental Manager/Public Works

BMP Description :

Proactive inspection program to prohibit illicit discharges and improper disposal to the MS4. This activity shall include: maintain regulatory authority, create and maintain a written enforcement procedure, perform inspections of businesses and residential areas. Maintain a list of all commercial and industrial facilities that discharge to the MS4, respond to and eliminate complaints and findings of illicit discharges and improper disposal as they are found.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 01/01/2017

Targeted End Date: 06/30/2020

Frequency: 25 Percent per year

Milestone Description:

Results of the stormwater system inspections, findings of inspections performed, and actions and timeframes to remove illicit discharges and improper disposal.

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

Actual BMP Start Date: 07/01/2018

Date:

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

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The stormwater system in the City's MS4 region is inspected at a minimum annually; oftentimes quarterly. Repair needs for stormwater structures are submitted to the Streets Division of the City's Public Works Department. Solid waste storage for commercial businesses within this area are inspected at a minimum annually, as well as possibility or signs of runoff/illegal discharge; follow-up inspections are conducted as needed. Residential properties are inspected at a minimum quarterly for trash storage. This reporting period, the City saw a decrease in the number of illegal dumping events. Residents in the MS4 saw an increase in additional trash cart usage, landfill certificate issuance, and bulk trash placement.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

Proactive inspection program to prohibit illicit discharges and improper disposal to the MS4. This activity shall include: maintain regulatory authority, create and maintain a written enforcement procedure, perform inspections of businesses and residential areas. Maintain a list of all commercial and industrial facilities that discharge to the MS4, respond to and eliminate complaints and findings of illicit discharges and improper disposal as they are found.

BMP Name: Visual Stormwater Discharge Monitoring

Category: Wet Weather Monitoring

Personnel Position/Department: Environmental Manager/Public Works

BMP Description :

Perform Visual Stormwater Discharge Monitoring using an Auto Visual Monitoring method as recommended by ADEQ during the permitting process.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 01/01/2017

Targeted End Date: 09/29/2021

Frequency: 4 Annually

Milestone Description:

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Install camera at outfalls. Four times per year, two rain events in the dry season and two in the wet season, capture auto visual photographs of the storm discharge (Summer Wet Season: June 1 through October 31, Winter Wet Season: November 1 through May 31).

If more than five outfalls exist, five representative outfalls shall be chosen.

Additional screening points, per permit section 6.4.3.8.b where stormwater leaves the permitted area or where stormwater discharges to another MS4 or other conveyance, have not been found in our MS4. If such an area is found, this point will be added as a field screening point. The area we claim as an outfall is a discharge to a private irrigation system. This system eventually discharges to the Arlington Canal at or about 33.349498, -112.591140.

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

Actual BMP Start Date: 07/01/2018

Date:

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

One field screening point has been identified within the MS4. This point is monitored on a routine basis during each dry and wet weather season to capture first flush rain events, residential irrigation flows, farm irrigation flows, and is used as an attempt to capture illicit discharges. The camera system allows the City to capture more information and data than routine inspections allow. As of June, 2020, there are no other outfalls or field screening points within the MS4.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

Maintain cameras at Field Screening Points.

Four times per year, two rain events in the dry season and two in the wet season, capture auto visual photographs of the storm discharge (Summer Wet Season: June 1 through October 31, Winter Wet Season: November 1 through May 31). If more than five outfalls/field screening points exist, five representative sites shall be chosen. Additional screening points, per permit section 6.4.3.8.b where stormwater leaves the permitted area or where stormwater discharges to another MS4 or other conveyance, have not been found in our MS4. If such an area is found, this point will be added as a field screening point. The receiving area for the one field screening point discharges to a private agricultural irrigation system that eventually discharges to the Arlington Canal at or about 33.349498, -112.591140.

BMP Name: Training

Category: Staff Training

Personnel Position/Department: Human Resources

BMP Description :

Use existing web training modules to provide and record training to all employees.

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Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 04/01/2017

Targeted End Date: 09/29/2021

Frequency: 1 Annually

Milestone Description:

Number of staff that have taken the annual web training vs. number of staff that work in the ROW or facilities including Public Works, Water Resources, and Community Services Department staff.

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

Actual BMP Start Date: 07/01/2018

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

Staff working in right-of-way, facilities, Public Works, Water Resources, and Community Services Department staff receive annual stormwater training which is administered by the City's Human Resources Dept. An increase in staff reports to Environmental Services to report IDDE or stormwater related pollution issues has occurred.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

Number of staff that have taken the annual web training vs. number of staff that work in the ROW or facilities including Public Works, Water Resources, and Community Services Department staff.

BMP Name: Visual Dry Weather Outfall Monitoring

Category: Dry Weather Screening

Personnel Position/Department: Environmental Manager/Public Works

BMP Description :

Perform a visual dry weather outfall/field screening points, monitoring event at each outfall/point at least once per year.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 01/01/2017

Targeted End Date: 06/30/2021

Frequency: 1 Annually

Milestone Description:

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Record dry weather monitoring data for all outfalls/screening points once per year, including the number of outfalls/screening points and findings of monitoring efforts.

The City has one outfall, additional screening points, per permit section 6.4.3.8.b where stormwater leaves the permitted area or where stormwater discharges to another MS4 or other conveyance, have not been found in our MS4. If such an area is found, this point will be added as a field screening point.

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

Actual BMP Start Date: 07/01/2018

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

Dry weather monitoring data shows agriculture runoff, residential irrigation runoff, and rain events where flow is present. See DMR report for detailed information on screening information.

The City is mapping stormwater structures and inspecting the storm system as mapping occurs. We are continuing with the auto-visual monitoring method at our discharge point to allow for efficient monitoring during the two monitoring seasons. The City has one outfall (by definition, a field screening point that flows to a surface water as defined by AAC 18 through another conveyance). There are no other outfalls or screening points in the storm system owned by the City. All dry weather inspections have resulted in discharges being observed. All discharges have been traced to irrigation tailwater. See DMR report.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

Record dry weather monitoring data for all outfalls/field screening points once per year, including the number of outfalls/field screening points and findings of monitoring efforts. The City has one field screening point, additional screening points, per permit section 6.4.3.8.b where stormwater leaves the permitted area or where stormwater discharges to another MS4 or other conveyance, have not been found in our MS4. If such an area is found, this point will be added as a field screening point.

BMP Name: Follow-Up Screening

Category: Follow-Up Screening

Personnel Position/Department: Environmental Manager/Public Works

BMP Description :

All illicit discharges will be immediately stopped. and screening information will be collected.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 01/01/2017

Targeted End Date: 09/29/2021

Frequency: 1 One time event

Milestone Description:

Number of illicit discharges stopped, number of follow-up inspections performed for each illicit discharge found. Illicit discharge findings reported into DMR including outfall/field screening point identification, personnel, time, date, weather conditions at time of inspection, estimated flowrate, apparent odor, color, clarity, debris, floatables, and other information pertinent to the discharge.

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

Actual BMP Start Date: 07/01/2018

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

See DMR report for detailed information on outfall/field screening points. Illicit discharge reports throughout the City have decreased. The outfall screening program is set up to capture photos via motion detection to detect illicit discharges to the stormwater system at the outfall.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

Continue existing activities. Record the number of illicit discharges stopped, number of follow-up inspections performed for each illicit discharge found. The illicit discharge findings shall be reported into DMR including outfall/field screening point identification, personnel, time, date, weather conditions at time of inspection, estimated flow-rate, apparent odor, color, clarity, debris, floatables, and other information pertinent to the discharge.

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

Answer:

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

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

We perform a number of activities to stop pollution commonly generated in our community including the ability to report IDDE, significant staff inspections of residential and commercial properties, emergency response, complaint response and training for field staff to recognize and report IDDE. Inspections of known areas of dumping are monitored on a routine basis. Additional signage has helped deter and lessen these dumping events. Additional opportunities for free trash disposal have been provided to residents during FY20. This has helped decrease the illegal dumping of trash. The City has committed to multiple BMPs to ensure appropriate coverage, authority, and ability to implement IDDE programs. Using a GIS database, mapping activities include identification and documentation of the stormwater infrastructure, locating the MS4 within the developed areas to pinpoint discharge points to WOTUS. The required portion of the urbanized, developed area has mapped and one outfall discharging to irrigation tailwater has been located (Field Screening Point AZG2016-002, Section 10.0-16). This ditch drains to the Arlington Canal (App. B Ch. 18 AAC). In FY18, we partnered with ADEQ on a pilot program ("Apollo") and continues through and beyond FY20. Dry and wet weather monitoring of the MS4 was performed.

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	01/13/2020	Stormwater Program/Illicit discharge recognition	125	Annually
2	01/14/2020	Fuel system operation/Spill awareness and response	469	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: 112

Number of IDDE incidents responded to in this reporting period: 112

Sr.No.	Enforcement Actions	Enforcements Issued	Enforcements Resolved	Enforcements Unresolved
1	NOV	0	0	0
2	NOC	112	112	0
3	Stop Work	0	0	0

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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	112	112	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 requiring sampling were discovered in the MS4 during the 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: Site Plan Review

Category: Site Plan Review

Personnel Position/Department: City Engineer/Development Services/Construction and Procurement/Public Works

BMP Description :

Perform plan review for waste, erosion, and sediment control for all sites that are an acre or larger or part of a common plan of development that is an acre or larger that discharge to the MS4.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 03/31/2018

Targeted End Date: 09/29/2021

Frequency: 100 Annually

Milestone Description:

Number of applications for construction sites that discharge to the MS4.

Number of plan reviews for construction sites that discharge to the MS4.

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

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Actual BMP Start 07/01/2018

Date:

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

There were no active, permitted construction sites within the MS4 area during FY20. When development plans are submitted, they are reviewed for WES controls. Plans not including SWPPP or other forms of erosion control BMPs are required to provide before proceeding through the development process. All plans submitted that disturb soil within the MS4 are required to implement approved BMPs from the WES Control Manual.

Note: the Construction and Procurement Division was named in error. The proper name for the division is Construction and Contracting

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

Perform plan review for waste, erosion, and sediment control for all sites that are an acre or larger or part of a common plan of development that is an acre or larger that discharge to the MS4.

BMP Name: Inspection Process

Category: Inspections

Personnel Position/Department: City Engineer/Development Services/Construction and Procurement/Public Works

BMP Description :

Perform construction site inspections ensuring waste, erosion, sediment controls on land development sites that discharge to the MS4.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 03/31/2018

Targeted End Date: 09/29/2021

Frequency: 100 Annually

Milestone Description:

Written procedures for site inspections and enforcement for land disturbance that is an acre or larger, or part of a common plan of development that is one acre or larger that discharge to the MS4.

Number of inspections performed for construction sites that discharge to the MS4.

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

Actual BMP Start 07/01/2018

Date:

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

There were no active construction sites in the MS4 during FY20.

Note: the Construction and Procurement Division was named in error. The proper name for the division is Construction and Contracting

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

Perform construction site inspections ensuring waste, erosion, sediment controls on land development sites that discharge to the MS4.

BMP Name: Public Involvement

Category: Education/Public Involvement

Personnel Position/Department: Environmental Manager/Public Works

BMP Description :

Maintain a method for residents to issue complaints about encroachment of pollutants to the Right of Way from 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 Daily

Milestone Description:

Number of complaints received regarding discharges from construction sites to the MS4.

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

Actual BMP Start 07/01/2018

Date:

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

Number of complaints received regarding discharges from construction sites to the MS4. There was no active construction within the MS4 during FY20. Citizens are able to log complaints via digital formats such as website, social media, email, and via telephone.

Provide a summary of activities planned for next reporting period

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BMP does not apply for next reporting period:

No

Milestone Description:

Maintain a method for residents to issue complaints about encroachment of pollutants to the Right of Way from construction sites.

BMP Name: Enforcement

Category: Enforcement

Personnel Position/Department: City Engineer/Development Services/Construction and Procurement/Public Works

BMP Description :

Maintain a method of increasing enforcement on land development that refuses to follow erosion, sedimentation, and waste controls per development plan and inspection requirements.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 03/31/2018

Targeted End Date: 09/29/2021

Frequency: 100 Annually

Milestone Description:

Number of inspections, scheduled re-inspections, and follow-up compliance inspections performed, number of Notices of Violations (NOVs) issued, stop work orders issued, or other enforcement actions performed to stop encroachment of pollutants into the MS4.

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

Actual BMP Start Date: 07/01/2018

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

Construction did not occur within the MS4 during FY20. The City's Enforcement Response Plan, includes a waste, erosion, and sediment control plan to control pollution from construction sites per development plans. This activity is performed by the Public Works, Engineering, and/or Development Services departments. Inspectors perform and record inspections, nothing problems found. Violations are submitted to Public Works to begin IDDE enforcement activities. Violations are issued on encroachment occurs on the City's right-of-way. Engineering and Development Services have authority to shut down a site as needed.

Note: the Construction and Procurement Division was named in error. The proper name for the division is Construction and Contracting

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Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

Maintain a method of increasing enforcement on land development that refuses to follow erosion, sedimentation, and waste controls per development plan and inspection requirements.

BMP Name: Inventory

Category: Inventory

Personnel Position/Department: City Engineer/Development Services/Construction and Procurement

BMP Description :

Maintain a list of all land disturbances underway in the city that discharge to the MS4.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 100 Annually

Milestone Description:

Number of sites under development/disturbed soil for land disturbance that is an acre or larger, or part of a common plan of development that is one acre or larger that discharge to the MS4.

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

Actual BMP Start Date: 07/01/2018

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

There were no active construction sites within the MS4 during FY20. An inventory of all sites is maintained by the departments responsible for issuing the development permits. No soil disturbance that was an acre or larger or part of a common plan of development an acre or larger occurred within the City's MS4.

Note: the Construction and Procurement Division was named in error. The proper name for the division is Construction and Contracting

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

Maintain a list of all land disturbances underway in the city that discharge to the MS4.

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BMP Name: Staff Training

Category: Training

Personnel Position/Department: City Engineer/Development Services/Construction and Procurement/Public Works

BMP Description :

All staff associated with waste, erosion, and sediment control plan review, inspections, and enforcement to the MS4 shall receive training on these subjects, and city policy and processes.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 06/30/2017

Targeted End Date: 09/29/2021

Frequency: 1 Annually

Milestone Description:

Total number of staff associated with construction in the Ms4, and perform plan review, inspections, and enforcement vs. the number of staff trained.

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

Actual BMP Start Date: 07/01/2018

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

Staff was trained using the City's stormwater training video program on January 13, 2020.

Note: the Construction and Procurement Division was named in error. The proper name for the division is Construction and Contracting

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

Total number of staff associated with construction in the MS4, and perform plan review, inspections, and enforcement vs. the number of staff trained.

BMP Name: Waste, Erosion, and Sediment BMPs

Category: Control Wastes

Personnel Position/Department: City Engineer/Development Services/Construction and Procurement

BMP Description :

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Require construction site operators to maintain an elevated level of waste, erosion, sediment controls on their construction sites if they discharge to the MS4.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 100 Percent per year

Milestone Description:

Code authority to require waste, erosion, and sediment control on land disturbance sites.

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

Actual BMP Start Date: 07/01/2018

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

Per various City codes, site operators are required to install and maintain effective waste, erosion, and sediment controls on their construction sites. All construction sites are made aware of the City's MS4 and of the waste, erosion, and sediment control BMPs approved by the City and are encouraged to use these to protect the rights-of-way from encroachment. All sites disturbing soil within the MS4 must complete waste, erosion, and sediment control documentation. During FY20, no construction occurred within the MS4.

Note: the Construction and Procurement Division was named in error. The proper name for the division is Construction and Contracting

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

Code authority to require waste, erosion, and sediment control on land disturbance sites.

BMP Name: Education

Category: Construction Operator Training

Personnel Position/Department: City Engineer/Development Services Department/Construction and Procurement

BMP Description :

Provide education to applicants and permittees on stormwater pollution prevention requirements for construction practices.

Is another government entity responsible for this BMP ? No

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Measurable Goals:

Start Date: 04/30/2017
Targeted End Date: 09/29/2021
Frequency: 100 Percent per year

Milestone Description:

Number of applicants or potential applicants who have received educational information on construction stormwater Best Management Practices (BMPs), number of web pages with construction stormwater BMPs, and the number of training and special events participated in regarding protection of the MS4 from runoff from construction activity.

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

Actual BMP Start Date: 07/01/2018

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

Construction did not occur within the MS4 during FY20. Construction occurred within the urbanized planning region. Engineering and Development Services educate contractors throughout the entire development process and provide construction site BMP requirement per City code. The City has finalized a WES Control Plan to ensure waste, erosion, and sediment control practices occur on site. City maintains educational and outreach information on various digital platforms such as Facebook, website, YouTube, etc. and works in conjunction with STORM.org to provide additional avenues of construction site operation and maintenance. All construction site applicants are informed of the City's BMP requirements.

Note: the Construction and Procurement Division was named in error. The proper name for the division is Construction and Contracting

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

Construction within the MS4 did not occur during FY20. Construction site operators must abide by City code regarding construction site BMPs to control waste, erosion, and sediment controls. The City's Engineering and Development Services divisions provide guidance and information to construction site operators regarding BMPs to stop pollution leaving the site and to stop encroachment onto the right-of-way.

BMP Name: Waste, Erosion, Sediment BMP Controls

Category: Erosion/ Sediment Control

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Personnel Position/Department: City Engineer/Development Services Department/Construction and Procurement

BMP Description :

Require construction site operators to maintain an elevated level of waste, erosion, sediment controls on their construction sites if they discharge to the MS4.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 100 Percent per year

Milestone Description:

Code authority to require erosion, sedimentation, and waste control on land disturbance sites.

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

Actual BMP Start Date: 07/01/2018

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

Per various City codes, site operators are required to install and maintain effective waste, erosion, and sediment controls on their construction sites. Authority over any potential discharge to the MS4 from construction sites is given to the City's Engineering, Development Services, and Public Works Departments and is addressed in City Code sections 19-2-1-D, 20-5-C, the City's engineering standards in 23-2-1 and in the Stormwater Drainage System Design Manual 500 (DM500) which contain drainage and design standards adopted by City Council in 2007. All contractors submitting plans are required to submit a Stormwater Pollution Prevention Plan (SWPPP) as required by ADEQ's CGP (Construction General Permit) so waste, erosion, and sediment controls may be reviewed. A permit is not issued specifically for this work but the plans are reviewed to ensure BMPs are planned for the site. This terminology and information is being updated to be referred to as the WES Control Plan. During FY20, no construction occurred within the MS4.

Note: the Construction and Procurement Division was named in error. The proper name for the division is Construction and Contracting

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

Require construction site operators to maintain an elevated level of waste, erosion, sediment controls on their construction sites if they discharge to the MS4.

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

Answer:

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

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

There was no active construction or planned construction within the MS4 during FY20. However, the City has a robust program in place to address construction activities and how they affect the overall stormwater program. We have very effective low impact and development design rules. As a result, all new development does not discharge to public areas or to surface waters, but instead discharges to privately owned retention basins with dry wells. Additionally, the MS4 area has no private stormwater structures that discharge to it.

Question: Were any construction activity operator training events conducted?

Answer:

No

Why weren't training events conducted?

The City is unable to provide training to a non-existing target audience. There were no active applicable construction sites within the MS4 during FY20. When construction activity occurs in the MS4, a training event will be provided for all applicable construction site operators. However, in other parts of the City that are experiencing construction, meetings are conducted as part of the application process to the City to discuss construction activity and stormwater pollution prevention activity requirements. The City is working in conjunction with AZSTORM.org to provide on-going and updated construction site activity training.

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:

<i>Number of active construction sites in this reporting period:</i>	0
<i>Has an inspection frequency been developed and implemented?</i>	YES
<i>Number of active construction sites inspected at least weekly:</i>	0
<i>Number of active construction sites inspected at least one time every six months:</i>	0
<i>Number of active construction sites inspected at least monthly:</i>	0
<i>Number of active construction sites inspected at least annually:</i>	0
<i>Number of construction activity complaints that were resolved or responded to:</i>	0
<i>Number of active construction sites not inspected:</i>	0

Number of construction activity complaints received in this reporting period: 0

Number of active construction sites that required re-inspections in this reporting period: 0

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

Category: Site Plan Reviews

Personnel Position/Department: City Engineer/Development Services/Construction and Procurement/Public Works

BMP Description :

Implement and maintain a site plan review process.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 100 Percent per year

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Milestone Description:

Maintaining a plan review process for all public and private construction occurring within the city and the number of applications received and reviewed.

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

Actual BMP Start Date: 07/01/2018

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

No post-construction activities occurred within the MS4 during this reporting period.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

Continue with existing program.

BMP Name: Inspections

Category: Enforcement

Personnel Position/Department: Environmental Manager/Public Works

BMP Description :

Perform inspections on post-construction stormwater structural controls that discharge into the MS4.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 06/30/2017

Targeted End Date: 09/29/2021

Frequency: 25 Percent per year

Milestone Description:

Inspect 25% of storm water structures that discharge to the MS4 each year. Record the number of structures and the number of inspections performed.

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

Actual BMP Start Date: 06/30/2017

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

No post-construction activities occurred within the MS4 during this reporting period as there are no stormwater structures discharging to the City's MS4.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

Continue with current program.

BMP Name: Runoff Control Authority

Category: O&M Procedures

Personnel Position/Department: City Engineer/Development Services/Construction and Procurement/Public Works

BMP Description :

All new and re-development is required to follow existing development requirements. All new construction is to receive runoff from 1/2 of the ROW and hold the 100-year, 2-hour event. This rule is currently in place and active for all construction.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 100 Percent per year

Milestone Description:

Review the Stormwater Drainage System Design Manual, DM500-1.3 and updated as necessary.

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

Actual BMP Start Date: 07/01/2018

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

Reviewed DM500 during permit period. No changes were made.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

Continue with current program.

BMP Name: Structural/Non-Structural BMP

Category: Structural/Non-Structural BMP

Personnel Position/Department: City Engineer/Development Services/Construction and Procurement

BMP Description :

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All new and re-development is required to follow existing development requirements including effective structural and non-structural design practices allowable by the City's design standards.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 One time event

Milestone Description:

Review Stormwater Drainage System Manual, DM500-1.3 and update as necessary.

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.

In addition to local codes and ordinances, the City uses the Stormwater Drainage System Manual (DM500 - 1.3), or most current update, to ensure proper BMPs are being utilized, inspected, and maintained. There was no land disturbance regarding CGP or SWPPP coverage during FY20. However, the City requires all new and re-development to follow development requirements including the usage of effective structural and non-structural design practices and BMPs per our design standards.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

All new and re-development is required to follow existing development requirements including effective structural and non-structural design practices allowable by the City's design standards.

BMP Name: Post-Construction Inventory

Category: Inventory

Personnel Position/Department: City Engineer/Development Services/Construction and Procurement/Public Works

BMP Description :

An inventory of post-construction stormwater control measures that discharge to the MS4.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2017

Targeted End Date: 09/29/2021

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Frequency: 1 Annually

Milestone Description:

Maintain an inventory of post-construction structural stormwater control measures that discharge to the MS4. Inventory post-construction controls in place that discharge to the MS4.

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

Actual BMP Start Date: 09/30/2017

Date:

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

Maintain an inventory of post-construction structural stormwater control measures that discharge to the MS4. Inventory post-construction controls in place that discharge to the MS4. During FY20, there were no post-construction stormwater controls discharging to the MS4.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

Continue with current program.

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

Answer:

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

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

The City has very effective low-impact development design rules. As a result, all new development does not discharge to public areas or to surface waters, but instead, all right-of-way discharges to private property, and to privately-owned basins with dry wells. Additionally, the MS4 area has no private stormwater structures that discharge to it. For this reason, no post-construction inspection activities occurred within the MS4 during this reporting period.

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

Answer:

Number of sites that required Post-Construction Stormwater controls in this reporting period: 0

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

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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 6: Pollution Prevention and Good Housekeeping, what was completed during this reporting period?

Answer:

BMP Name: City Facility Inventory

Category: Inventory

Facility Information:

Public Works Fleet Management and Water Resources Yard
Earl Edgar Maintenance Building
Public Works Yard

Personnel Position/Department: Environmental Manager/Public Works

BMP Description :

Maintain a list of all facilities owned or operated by the City.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2017

Targeted End Date: 09/29/2021

Frequency: 1 Annually

Milestone Description:

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An updated list of municipal facilities updated annually.

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

Actual BMP Start Date: 07/01/2018

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

A list of City facilities was reviewed. No new facilities were added or modified. No City facilities discharge to the MS4.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

Continue with program.

BMP Name: Staff Good Housekeeping Training

Category: Training

Facility Information:

Earl Edgar Maintenance Building

Public Works Fleet Management and Water Resources Yard

Public Works Yard

Personnel Position/Department: Human Resources

BMP Description :

Staff training on stormwater pollution prevention and good housekeeping techniques.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2017

Targeted End Date: 09/29/2021

Frequency: 1 Annually

Milestone Description:

Number of staff trained on stormwater pollution prevention and good housekeeping annually.

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

Actual BMP Start Date: 07/01/2018

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

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Staff training on the City's stormwater program and good housekeeping took place on January 13, 2020. Staff training on the City's fuel system operation took place on January 14, 2020.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

Continue with program.

BMP Name: MS4 Operations and Activities

Category: Maintenance Activities

Facility Information:

Public Works Fleet Management and Water Resources Yard
Earl Edgar Maintenance Building
Public Works Yard

Personnel Position/Department: Streets Division/Public Works

BMP Description :

MS4 maintenance.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2017

Targeted End Date: 09/29/2021

Frequency: 100 Percent per year

Milestone Description:

Number of stormwater structures inspected, the number maintained, and include but not limited to the number of miles of streets swept and the number of inlets inspected and cleaned.

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

Actual BMP Start Date: 07/01/2018

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

Stormwater structures within MS4 were inspected during FY20. Streets were swept every two weeks (26 times total), irrigation ditches were cleaned two times (removal of silt and vegetation), vegetation in curb inlets was maintained by streets staff (trash removal, vegetation clean-up, etc.).

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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Continue with program.

BMP Name: City Facility Prioritization

Category: Facility Prioritization

Facility Information:

Public Works Fleet Management and Water Resources Yard

Earl Edgar Maintenance Building

Public Works Yard

Personnel Position/Department: Environmental Manager/Public Works

BMP Description :

Determine activities performed at each facility, the existence of potential pollutants at each facility, steps or BMPS necessary to maintain pollution prevention, and the discharge potential of each facility.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2017

Targeted End Date: 09/29/2021

Frequency: 1 Annually

Milestone Description:

Prioritize municipal facilities including the reason for the prioritization and the frequency of inspection.

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

Actual BMP Start Date: 07/01/2018

Date:

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

No new buildings were added or changed during FY20, therefore, current prioritization remains. None of the priority municipal facilities discharge to the MS4. Priority facilities are inspected at a minimum quarterly throughout the year. In FY20, no issues were noted.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

Continue with program.

BMP Name: City Facility BMP Update

Category: Maintenance Schedule

Facility Information:

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Public Works Fleet Management and Water Resources Yard
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Public Works Yard

Personnel Position/Department: Environmental Manager/Public Works

BMP Description :

Perform inspections on high-priority facilities owned or operated by the municipality.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2017

Targeted End Date: 06/30/2021

Frequency: 1 Annually

Milestone Description:

Perform inspections on all high-priority facilities owned by the city that discharge to the City MS4, and implement recommended BMPs to control pollution from municipal operations.

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

Actual BMP Start Date: 07/01/2018

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

City facilities were inspected quarterly during FY20. No issues located. These facilities do not discharge to the MS4. The City does not have high-priority buildings discharging to the MS4.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

Continue with program.

BMP Name: City Facility Inspection

Category: Inspections

Facility Information:

Public Works Fleet Management and Water Resources Yard
Earl Edgar Maintenance Building
Public Works Yard

Personnel Position/Department: Environmental Manager/Public Works

BMP Description :

Perform stormwater pollution prevention inspections of each facility owned or operated by the City, prioritized to prevent or reducing pollutant runoff from operations that discharge, to protect water quality of receiving waters.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2017

Targeted End Date: 09/29/2021

Frequency: 4 Quarterly

Milestone Description:

Perform quarterly inspections of all facilities that discharge. Prioritize and adjust to more frequent inspections based on the risk to discharge pollutants. Maintain and implement a site inspection schedule.

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

Actual BMP Start Date: 07/01/2018

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

City facilities were inspected quarterly during FY20. No discharges or potential discharges were identified. City facilities do not discharge to the City's MS4.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

Continue with program.

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.

Staff reviewed processes, procedures, and documentation. Updated documents as needed to fine tune City's stormwater program. High priority City facilities are inspected quarterly, at a minimum. Any issues noted are addressed immediately, if applicable.

Question: Was staff training conducted?

Answer:

Yes

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Sr.No.	Date of Training Event	Training Subject	Number of Employees Trained	Frequency of Training
1	01/13/2020	Stormwater Program/Illicit discharge recognition	125	Annually
2	01/14/2020	Fuel Pump Operation/Spill Response	469	Annually

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CERTIFICATION OF SUBMISSION

SCOTT WLOWE

You validated your identity by answering your personal security question and password on myDEQ at **07:56 AM** on **09/09/2020**. 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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ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY



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MS4 Name: City Of Buckeye Department Of Public Works

AZPDES: AZSM65661

Permit Type: Small MS4 Phase II

Reporting Period: 07/01/2019 to 06/30/2020

Report Frequency: ANNUAL

DMR Results Report

VISUAL MONITORING INFO

OUTFALL NAME	SEASON NAME	SAMPLE DATE	COLOR	SHEEN	SOLID	FOAM	ODOR	NODI	OTHER DESC
1	Summer Wet	06/23/2020	CLEAR	NO	0 %	NO	MUSTY		DW SCREEN; IRRIGATION FLOW
1	Summer Wet	06/05/2020						No Discharge from outfall	WW SCREEN, RAIN DAY, NO FLOW
1	Winter Wet	05/10/2020						No Discharge from outfall	WW SCREEN; NOT ENOUGH RAINFALL TO CREATE FLOW
1	Winter Wet	05/06/2020						No Discharge from outfall	DW SCREEN; NO FLOW
1	Winter Wet	05/04/2020						No Discharge from outfall	DW SCREEN; NO FLOW
1	Winter Wet	04/21/2020						No Discharge from outfall	DW SCREEN; NO FLOW
1	Winter Wet	04/11/2020	CLEAR	NO	0 %	YES	NONE		WW EVENT; FIRST FLUSH, SLIGHT FOAM
1	Winter Wet	04/07/2020						No Discharge from outfall	DW SCREEN; NO FLOW
1	Winter Wet	03/25/2020	CLEAR	NO	0 %	NO	NONE		DW SCREEN; IRRIGATION FLOW
1	Winter Wet	03/18/2020	CLEAR	YES	0 %	YES	NONE		WW SCREEN; FIRST FLUSH, SLIGHT FOAM

OUTFALL NAME	SEASON NAME	SAMPLE DATE	COLOR	SHEEN	SOLID	FOAM	ODOR	NODI	OTHER DESC
1	Winter Wet	03/12/2020	CLEAR	NO	0 %	YES	NONE		WW SCREEN; FIRST FLUSH, SLIGHT FOAM
1	Winter Wet	03/11/2020	CLEAR	NO	0 %	YES	NONE		WW SCREEN; FIRST FLUSH, SLIGHT FOAM
1	Winter Wet	03/10/2020	CLEAR	NO	0 %	YES	NONE		WW SCREEN, FIRST FLUSH, SLIGHT FOAM
1	Winter Wet	02/04/2020	CLEAR	NO	0 %	NO	NONE		DW SCREEN; IRRIGATION FLOW
1	Winter Wet	01/14/2020	CLEAR	NO	0 %	NO	NONE		DW SCREEN; IRRIGATION FLOW
1	Winter Wet	12/27/2019	CLEAR	NO	0 %	NO	NONE		WW SCREEN, FIRST FLUSH RAIN EVENT
1	Winter Wet	12/25/2019	CLEAR	NO	0 %	YES	NONE		WW SCREEN, FIRST FLUSH RAIN EVENT, SLIGHT FOAM
1	Winter Wet	12/24/2019	CLEAR	NO	0 %	YES	NONE		WW SCREEN, FIRST FLUSH RAIN EVENT, SLIGHT FOAM
1	Winter Wet	12/10/2019	CLEAR	NO	0 %	NO	NONE		DW SCREEN; IRRIGATION FLOW
1	Winter Wet	12/07/2019	CLEAR	NO	0 %	YES	NONE		WW SCREEN, RAIN EVENT, FIRST FLUSH, SLIGHT FOAM
1	Winter Wet	12/05/2019	CLEAR	NO	0 %	YES	NONE		IRRIGATION FLOW; SLIGHT FOAM
1	Winter Wet	12/03/2019						No Discharge from outfall	WW SCREEN, NO FLOW FOR FIRST FLUSH
1	Winter Wet	12/02/2019	CLEAR	NO	0 %	YES	NONE		
1	Winter Wet	11/20/2019	CLEAR	NO	0 %	NO	NONE		WW SCREEN; IRRIGATION FLOW
1	Winter Wet	11/19/2019	CLEAR	NO	0 %	NO	NONE		WW SCREEN; IRRIGATION FLOW
1	Winter Wet	11/06/2019						No Discharge from outfall	WET WEATHER SCREENING - NOT ENOUGH FLOW TO PRODUCE RUNOFF/FIRST FLUSH
1	Summer Wet	08/29/2019	CLEAR	NO	0 %	NO	NONE		IRRIGATION FLOW
1	Summer Wet	08/22/2019						No Discharge from outfall	DRY WEATHER SCREENING
1	Summer Wet	08/10/2019	CLEAR	NO	1-5%	NO	NONE		MISC. FLOATING TRASH ENTERED OUTFALL AREA DURING RAIN EVENT
1	Summer Wet	08/08/2019						No Discharge from outfall	DRY WEATHER SCREENING
1	Summer Wet	07/31/2019	CLEAR	NO	0 %	NO	ORGANIC		AGRICULTURE IRRIGATION RUNOFF. INPUT AT 6TH STREET @ BELOAT
1	Summer Wet	07/10/2019						No Discharge from outfall	DRY WEATHER SCREENING
1A	Winter Wet	12/03/2019	CLEAR	NO	0 %	NO	NONE		
1A	Winter Wet	12/02/2019	CLEAR	NO	0 %	NO	NONE		

OUTFALL NAME	SEASON NAME	SAMPLE DATE	COLOR	SHEEN	SOLID	FOAM	ODOR	NODI	OTHER DESC
1A	Summer Wet	08/22/2019	CLEAR	NO	0 %	NO	NONE		
1A	Summer Wet	07/31/2019	CLEAR	NO	0 %	NO	NONE		
1B	Winter Wet	12/03/2019	CLEAR	NO	0 %	NO	NONE		
1B	Winter Wet	12/02/2019	CLEAR	NO	0 %	NO	NONE		
1B	Summer Wet	08/22/2019	CLEAR	NO	0 %	NO	NONE		
1B	Summer Wet	07/31/2019	CLEAR	NO	0 %	NO	NONE		
1C	Winter Wet	12/03/2019	CLEAR	NO	0 %	NO	NONE		
1C	Winter Wet	12/02/2019	CLEAR	NO	0 %	NO	NONE		
1C	Summer Wet	08/22/2019	CLEAR	NO	0 %	NO	NONE		
1C	Summer Wet	07/31/2019	CLEAR	NO	0 %	NO	NONE		
1D	Winter Wet	12/03/2019	CLEAR	NO	0 %	NO	NONE		
1D	Winter Wet	12/02/2019	CLEAR	NO	0 %	NO	NONE		
1D	Summer Wet	08/22/2019	CLEAR	NO	0 %	NO	NONE		
1D	Summer Wet	07/31/2019	CLEAR	NO	0 %	NO	NONE		

From: DoNotReply@azdeq.gov
Sent: Tuesday, November 10, 2020 12:06 PM
To: Scott Lowe
Cc: Scott Lowe; Robert van den Akker; Michael DePaulo; Robert van den Akker
Subject: Review of MS4 AZPDES # AZSM65661 Annual report 01-Jul-2019-30-Jun-2020 - Complete

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CITY OF BUCKEYE MS4

AZSM65661

MS4 ANNUAL REPORT REVIEW

Dear Customer,

The Arizona Department of Environmental Quality (ADEQ) has completed its review of your MS4 annual report and determined it satisfactorily complies with the permit requirements.

MS4 Name: **CITY OF BUCKEYE MS4**
AZPDES#: **AZSM65661**
Reporting Period: **01-Jul-2019-30-Jun-2020**
Submit Date: **11/10/2020**

Required Information

Permit Part 9.8, Duty to Provide Information, requires the City to supply any information which ADEQ may request to determine compliance with the permit. The City must provide the following:

- No additional information is required at this time.

Recommendations

- Great job, Amy and Robert.

Thank you for your efforts to comply with Arizona's environmental requirements.

Thank you,

