

STORMWATER MANAGEMENT PROGRAM FOR MOHAVE COUNTY, ARIZONA

Submitted to:

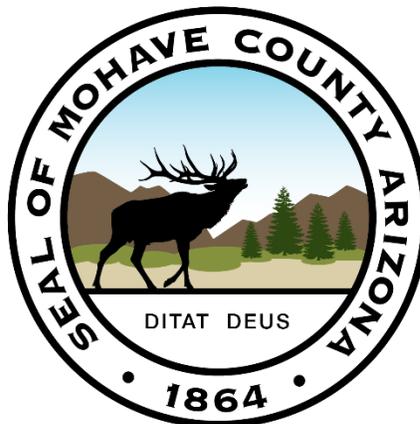
Arizona Department of Environmental Quality
Surface Water Section/Stormwater and General Permits Unit (5415A-1)
1110 Washington Street
Phoenix, Arizona 85007

To fulfill requirements of the
Small Municipal Separate Storm Sewer System (MS4)
General Permit (AZG2016-002)

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Updated:



Mohave County:
Development Services Department
Public Works Department
Flood Control District

Certification Statement

Permittee: Mohave County

Permit Number: AZG2016-002

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

Timothy Walsh, P.E. – Director
Mohave County Development Services

Date

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Attachment 3 - Mohave County Notice of Intent

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Attachment 5 - Revised Mohave County Stormwater Ordinance

Attachment 6 - Revised Mohave County Flood Control Ordinance

Attachment 7 - Mohave County Review Checklists

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Attachment 9 - Mohave County Construction Site Stormwater Runoff Control Program

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Attachment 11 - Mohave County Pollution Prevention and Good Housekeeping Program



Glossary of Acronyms

A.A.C.	Arizona Administrative Code
ADEQ	Arizona Department of Environmental Quality
ALERT	Automated Local Evaluation in Real Time
A.R.S.	Arizona Revised Statute
AZPDES	Arizona Pollution Discharge Elimination System
BMP(s)	Best Management Practices
CFR	Code of Federal Regulations
CGP	Construction General Permit
CWA	Clean Water Act
DMR	Discharge Monitoring Report
EPA	Environmental Protection Agency
E.R.A.C.E.	Environmental Rural Area Cleanup Enforcement
GIS	Geographical Information System
GHKP	Good Housekeeping Program
H6	Horizon Six
ID	Illicit Discharge
IDDE	Illicit Discharge Detection and Elimination
IDDEP	Illicit Discharge Detection and Elimination Program
IW	Impaired Waters
MCFCDD	Mohave County Flood Control District
MCM	Minimum Control Measures
MEP	Maximum Extent Practicable
MS4	Municipal Separate Storm Sewer Systems
MSGP	Multi-Sector General Permit (non-mining)
NLH	North Lake Havasu
NOI	Notice of Intent
NOT	Notice of Termination
NPDES	National Pollution Discharge Elimination System
OAW	Outstanding Arizona Water
PCSMP	Post-Construction Stormwater Management Program
POTW	Public Owned Treatment Works
SMO	Stormwater Management Ordinance
SWMP	Stormwater Management Program
SS-SWMP	Site Specific Stormwater Management Plan
SWPPP	Stormwater Pollution Prevention Plan
TMDL	Total Maximum Daily Load



Glossary of Commonly Used Terms

Best Management Practice(s): Methods, measures or practices to prevent or reduce discharges and includes both structural and nonstructural controls and operation and maintenance procedures.

Facility: Any “point source” or any other facility (including land or appurtenances thereto) that is subject to regulation under the AZDES/NPDES program.

Illicit Discharge: Any discharge to a municipal separate storm sewer that is not composed entirely of stormwater except discharges pursuant to a AZPDES/NPDES permit.

Impaired water: Waters that have been assessed by ADEQ, under the Clean Water Act, as not attaining a water quality standard for at least one (1) designated use and are listed in Arizona’s current 303(d) list or on the 305(b) Category 4 List.

Mohave County MS4: A conveyance or system of conveyances (including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, man-made channels or storm drains) which are owned and operated by Mohave County, which discharge into waters of the United States, and are designed or used for collecting or conveying stormwater, but are not part of a combined sewer system and are not part of a publically-owned treatment works (POTW).

Not Attaining Water: A surface water that has been determined to be impaired but is not placed on Arizona’s 303(d) list.

Outfall: A point source as defined by 40 CFR 122.2 at the point where a municipal separate storm sewer discharges into waters of the United States. Outfall does not include open conveyances connecting two municipal separate storm sewers, pipes, tunnels or other conveyances which connect the same stream or other waters of the United States and are used to convey waters of the United States.

Outstanding Arizona Water: A surface water that has been designated by ADEQ as an outstanding state resource under A.A.C R18-11-112.

Point Source: Any discernible, confined, and discrete conveyance, including but not limited to any pipe, ditch, channel, tunnel, conduit well, discrete fissure, container, rolling stock, concentrated animal feeding operation, landfill leachate collections system, vessel or other floating craft from which pollutants are or maybe discharged, excluding return flows from irrigated agriculture or agriculture stormwater runoff.

Pollutant: Sediment, fluids, toxic waste, dredged spoil, solid waste, substances and chemicals, pesticides, herbicides, fertilizers, and other agricultural chemicals, incinerator residue, sewage, garbage, sewage sludge, munitions, petroleum products, equipment, rock, sand, cellar dirt (e.g., overburden material) and mining, industrial, municipal and agricultural waste or any other liquid, solid, gaseous or hazardous substance which has the capacity to degrade water quality.

Receiving Water: Waters of the United States as defined by 40 CFR 122.2. Also referred to as Navigable Waters.



Introduction and Background

In 1972, Congress passed the Clean Water Act (CWA) with the intent of improving the water quality of the Nation's waterways. Through this act, the discharge of pollutants to the waters of the United States was prohibited unless authorized under the National Pollution Discharge Elimination System (NPDES) permit.

Recognizing that polluted stormwater is ultimately discharged into a local water body (i.e. river, stream, lake, wash, arroyo) from a municipal separate storm sewer system (MS4), the EPA instituted, as part of the NPDES, a regulatory program that focused on reducing pollutant runoff discharged from the MS4 system. This program was introduced in two phases based on the population of the urbanized area which the MS4 is located. Phase I, implemented in 1990, covered stormwater runoff associated with large and medium municipal separate storm sewer systems serving populations of 100,000 or greater. Phase II, which took effect in December of 1999, covered those systems serving populations of less than 100,000.

This regulatory permitting process was delegated to the states. The State of Arizona, upon receiving primacy of the program, created the Arizona Pollutant Discharge and Elimination System (AZPDES) to be administered by the Arizona Department of Environmental Quality (ADEQ).

Previously, Mohave County has not been required to gain authorization prior to discharging stormwater runoff from its system. However, the latest Decennial Census (2010 Census), identified several areas within the unincorporated limits of Mohave County which now have sufficient population to be designated as "urbanized areas". Under this designation, the MS4 associated with these areas will be regulated. As such, Mohave County is required to gain authorization to discharge stormwater runoff from its MS4 into a receiving water, or waters of the United States. This authorization is granted through the Arizona Pollutant Discharge Elimination System General Permit for Storm Water Discharges from Small Municipal Storm Sewer Systems (AZG2016-002).

Program Objective

This document, which will be referred to as the Mohave County Stormwater Management Program (SWMP), has been created in fulfillment of requirements set forth by AZG2016-002. Its purpose is to describe Mohave County's effort to reduce the discharge of pollutants to the maximum extent practicable (MEP) for the purpose of satisfying the requirements of the CWA, while promoting public awareness of water quality issues and the importance of managing stormwater.

It should be noted that not all of the unincorporated limits of Mohave County have been deemed to be urbanized by the Decennial Census. In accordance with 40 CFR 122.32, only those portions designated as urbanized areas by the Census are regulated by AZG2016-002 and subjected to the requirements of the SWMP. Areas not considered to be urbanized are not regulated under the permit and as such are not subjected to the requirements placed herein.



Non-Stormwater Discharges

While the emphasis of Phase I and Phase II of the NPDES was on stormwater discharges, non-stormwater runoff can find its way into the MS4 and ultimately into the receiving waters. Sources include runoff from:

- a. Water line flushing
- b. Landscape irrigation
- c. Diverted stream flows
- d. Rising ground waters
- e. Uncontaminated groundwater infiltration
- f. Uncontaminated pumped groundwater
- g. Discharges from potable water sources
- h. Foundation drains
- i. Air conditioning condensate
- j. Irrigation water
- k. Springs
- l. Water from crawl spaces
- m. Footing drains
- n. Lawn watering
- o. Individual residential car washing
- p. Discharges from riparian habitat and wetlands
- q. Dechlorinated swimming pool discharges
- r. Street wash water
- s. Discharges of flows from firefighting activities, excluding those from firefighting training exercises

Mohave County has determined that the above list of potential non-stormwater discharges are not significant contributors of pollutants to the MS4 and are considered to be allowable non-stormwater discharges.



Urbanized Area - Geographical Limits

The eligible areas that make up the MS4 for Mohave County lie outside the incorporated limits of Lake Havasu City, within the Colorado River – Lower Gila Watershed. The MS4 area consists of portions of Sections 8, 16, 17 & 21 of Township 14 N Range 20 W and Section 9, Township 13 N, Range 19 W of the Salt and Gila River Base and Meridian, Mohave County, Arizona.

Urbanized Area - General Description

Two non-contiguous areas constitute Mohave County's MS4 Permit Area. The first area, which will be referred to as North Lake Havasu (NLH) for the purpose of this document, consists of a combination of residential communities and clusters of commercial development. A large portion of the area included in the MS4 is owned by the Arizona State Land Department and is undeveloped. The storm sewer system within NLH consists of primarily surface water conveyance elements (e.g., paved roads, earthen channels, culverts, and at-grade crossings). The second area, to be referred to as Horizon Six (H6), consists entirely of a residential community platted in 1961. The lots, which are developed with single-family residences, are approximately 1 acre in size. The H6 MS4 contains a large storm sewer system owned and maintained by Mohave County Flood Control District (MCFCD). This system consists of a single channel and a series of culverts located within a public drainage right of way. Ancillary components of the H6 MS4 include a public road network and several local culverts that convey flow beneath the roadways. There are very few designated stormwater retention areas within the MS4 boundaries of either NLH or H6, though a regional detention/retention system does lie north of the H6 boundaries. The two MS4 areas are depicted on Figure 1a and Figure 1b.

Storm Sewer System Mapping

Within 1 year of the effective date of the permit, the aforementioned components of Mohave County's MS4 stormwater sewer system will be mapped using GIS. As part of this effort, separate shapefiles for each of the components listed in Section 4.1.a – 4.1.c were created. Mohave County Flood Control District will be responsible for reviewing and updating the information on an annual basis with assistance being provided by the Mohave County Public Works, Mohave County Development Services and Mohave County Information Technology Departments. The review and update will occur within the third quarter of the year to coincide with the submittal of the Annual Report. The information compiled as part of this effort will be stored within Mohave County's Intranet System and can be made available to ADEQ upon request. The status of the initial mapping effort and additions or revisions made to the mapped components shall be incorporated into the Annual Report. Decadal census changes to the MS4 area and the MS4 components will be integrated into the program within twelve (12) months of receiving the revised urbanized areas.



Receiving Waters and Outfalls

For the purpose of Mohave County’s Storm Water Management Program, the receiving waters for this project are Lake Havasu and the Colorado River.

The tributaries to these water bodies have been identified as part of the mapping effort by both ID and common name. They are:

<u>Permit Region</u>	<u>NAME</u>	<u>MAP ID</u>
NLH	Unnamed Wash 1	1UW1-01
NLH	Unnamed Wash 2	1UW2-01
NLH	Unnamed Wash 3	1UW3-01
NLH	Unnamed Wash 4	1UW4-01
NLH	Unnamed Wash 5	1UW5-01
NLH	Unnamed Wash 6	1UW6-01
NLH	Unnamed Wash 7	1UW7-01
H6	Mockingbird Channel	2MB-01
H6	Unnamed Tributary to Mockingbird Channel	2MBT-01
H6	Mockingbird Channel	2MB-02

There are no Arizona Outstanding or Impaired Waters that the MS4 discharges into.



Figure 1a: Eligible Area of Unincorporated Mohave County (North Lake Havasu)

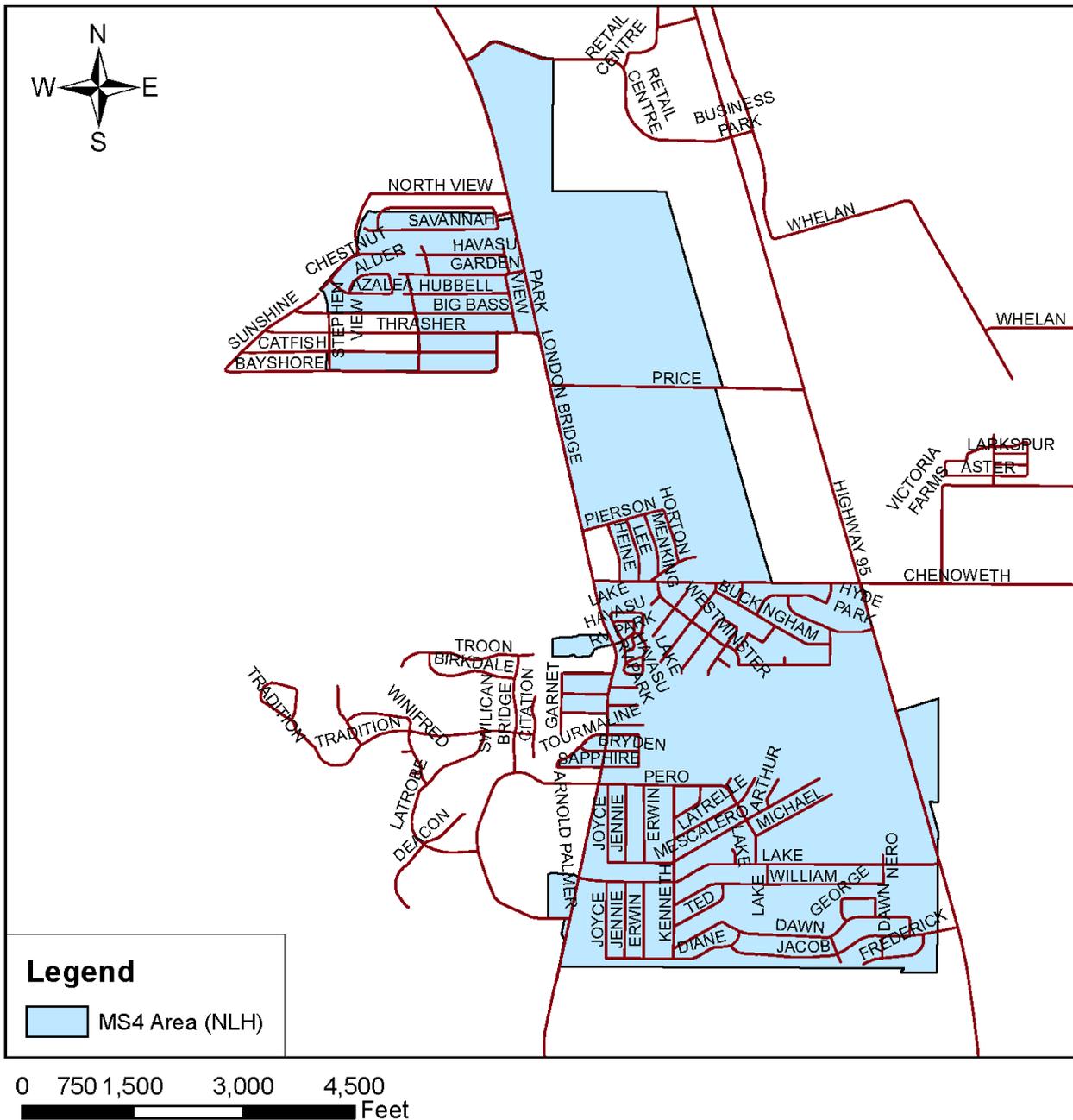
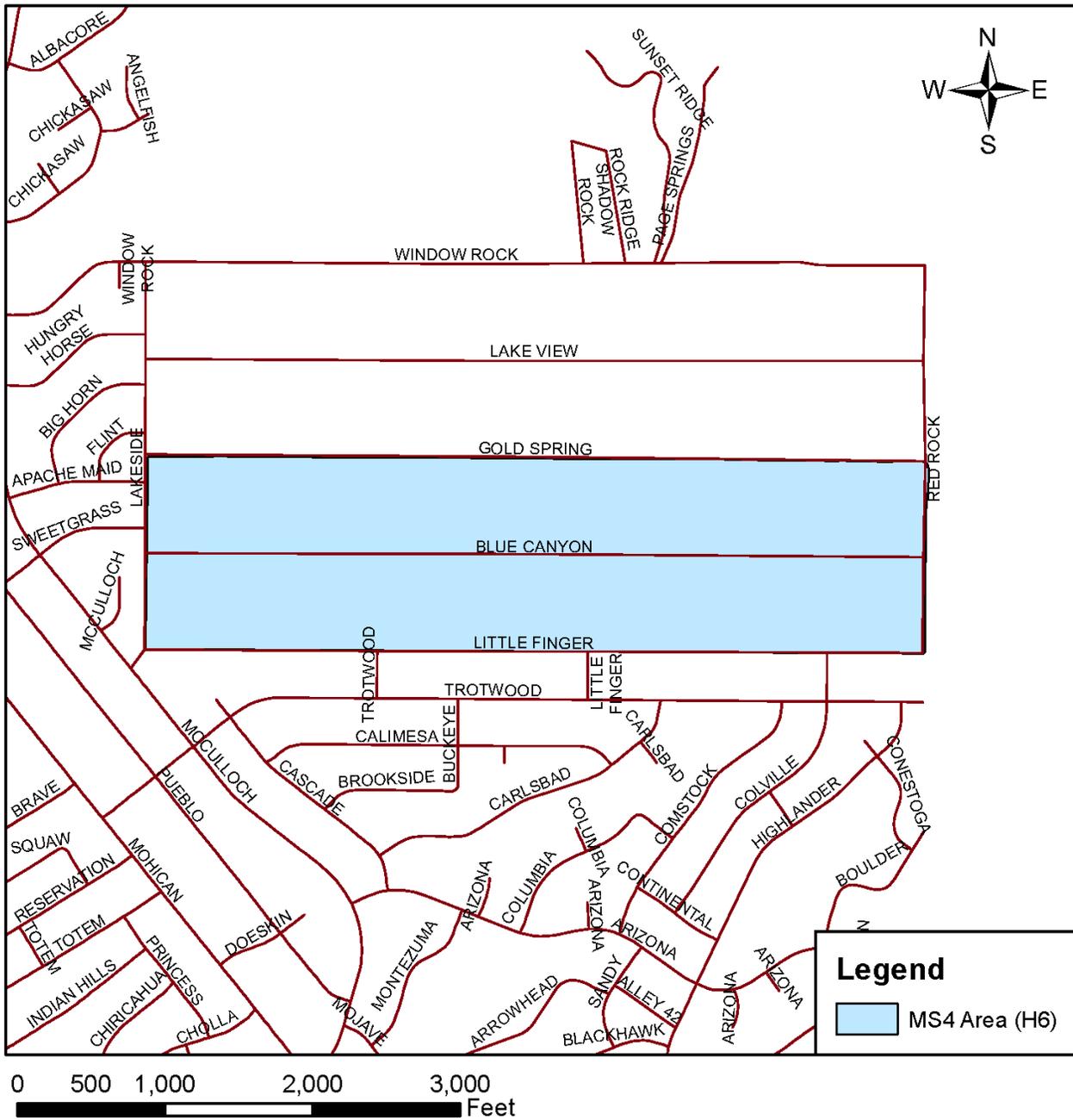


Figure 1b: Eligible Area of Unincorporated Mohave County (Horizon Six)



Minimum Control Measures (MCM)

The program will address the six minimum control measures, which are:

1. Public Education and Outreach on Stormwater Impacts
2. Public Involvement/Participation
3. Illicit Discharge Detection and Elimination
4. Construction Site Stormwater Runoff Control
5. Post-Construction Stormwater Management in New Development and Redevelopment.
6. Pollution Prevention/Good Housekeeping for Municipal Operations



MCM 1. Public Education and Outreach on Stormwater Impacts

Table 1.1: Public Education and Outreach - BMPs and Measurable Goals

Permit Citation	BMP	Measurable Goal(s)	Implementation	
			Start Date (MM/YY)	End Date (MM/YY)
Part 6.4.1.1	Mohave County staff will collect brochures, fact sheets, and other educational materials from federal, state, and local agencies or other MS4 websites.	Contact agencies and review web pages to develop a collection of educational material for public distribution. Gathered information will be made available either electronically on a County-hosted web page, directly at County facilities or via direct mailing. The types of information collected will be summarized as part of the Annual Report.	03/17	09/17
Part 6.4.1.1	Mohave County staff will adopt brochures and other educational materials specific to the types of uses and potential pollutants resulting from the uses within the MS4 Area.	Create and get approved for use, brochures and other educational materials that are specific to Mohave Counties MS4 Areas. The types of brochures created, and their adoption date, will be summarized as part of the Annual Report.	03/17	09/17
Part 6.4.1.1	Mohave County staff will establish a web page for the Stormwater Management Program.	Launch a web page or series of web pages dedicated to the Storm Water Management Program and stormwater quality as a whole. The date of the launch and the URL will be provided as part of the Annual Report.	03/17	09/17



Table 1.1: Public Education and Outreach - BMPs and Measurable Goals (cont.)

Permit Citation	BMP	Measurable Goal(s)	Implementation	
			Start Date (MM/YY)	End Date (MM/YY)
Part 6.4.1.2	Mohave County staff will distribute information to the general public and to specific targeted audiences/uses including but not limited to <ul style="list-style-type: none"> • Automotive service and repair stations • Boat service and repair stations • Commercial and residential developers • General contractors • Private utility companies • Commercial/industrial property owners • Homeowners • Homeowner’s associations 	Direct mail to the public, a minimum of two (2) brochures to the targeted audiences on an annual basis. The number of direct mailings and the types of information sent will be provided as part of the Annual Report.	09/17	09/21
		Provide target audience specific educational materials in both Spanish and English at its facilities typically visited by the general public seeking information (i.e. Development Service Review Office, Flood Control District, Sheriff’s Sub-Station).	09/17	09/21



Table 1.1: Public Education and Outreach - BMPs and Measurable Goals (cont.)

Permit Citation	BMP	Measurable Goal(s)	Implementation	
			Start Date (MM/YY)	End Date (MM/YY)
Part 6.4.1.2	Mohave County staff will distribute information to the general public and to specific targeted audiences.	Collect and make available age appropriate educational materials for the children living within the MS4 areas. This information will be placed on the website for download and at the appropriate Mohave County Offices, including the Sheriff's Sub-Station located within the NLH permit area. The type of materials, and the location where they have been made available or distributed, will be documented in the Annual Report.	03/17	03/18
Part 6.4.1.2	Mohave County staff will distribute information to the general public and to specific targeted audiences.	Provide educational materials associated with the pollution prevention and stormwater management on a construction site to the public and those applying for permits as part of the development review process and general public assistance. The type and amount of materials distributed will be tracked and documented in the Annual Report.	03/18	09/21
Part 6.4.1.2	Mohave County will distribute Information to the general public and to specific target audiences	Provide a link for the Mohave County Stormwater Web page to HOAs, community volunteer groups, and non-profit organizations so that they can add the information to their web pages or social media pages, allowing their followers access to information regarding the Mohave County SWMP. The distribution of this URL and where it was added will be documented as part of the Annual Report.	03/18	09/21



Table 1.1: Public Education and Outreach - BMPs and Measurable Goals (cont.)

Permit Citation	BMP	Measurable Goal(s)	Implementation	
			Start Date (MM/YY)	End Date (MM/YY)
Part 6.4.1.3	Mohave County will modify ineffective messages or distribution techniques.	Review, a minimum of once per year (1/yr.), the web-pages and update content as necessary. Revisions made to the information presented will be summarized as part of the Annual Report	03/18	09/21
		Review the database of educational material and its adopted brochures to ensure it is up-to-date and reflects its target audience. Revisions made to the information presented will be summarized as part of the Annual Report	03/18	09/21
		Review, a minimum of once per year (1/yr.), the database used to generate the direct mailing list. The number of revisions to the database will be summarized as part of the Annual Report.	03/18	09/21
Part 6.4.1.4	Mohave County staff will document the Public Outreach Program messages and their effectiveness.	Track the number of brochures distributed via direct mailing. The number will be reported within the Annual Report.	03/18	09/21
Part 6.4.1.4	Mohave County staff will document the Public Outreach Program messages and their effectiveness.	Using a web page counter, track the number of hits on the Stormwater Management Web pages. The number of hits will be reported as part of the Annual Report.	03/18	09/21



Table 1.1: Public Education and Outreach - BMPs and Measurable Goals (cont.)

Permit Citation	BMP	Measurable Goal(s)	Implementation	
			Start Date (MM/YY)	End Date (MM/YY)
Part 6.4.1.4	Mohave County staff will document the Public Outreach Program messages and their effectiveness.	Record the number of brochures and other educational materials distributed directly to the public from the County Offices. The number of distributed materials will be reported as part of the Annual Report.	03/18	09/21
Part 6.4.1.4	Mohave County staff will document the Public Outreach Program messages and their effectiveness.	Following the first year of the permit implementation, place on the website a survey request, which inquires if the information presented on the web page was helpful. The results of this survey will be included in the Annual Report.	03/18	09/21
Part 6.4.1.4	Mohave County staff will document the Public Outreach Program messages and their effectiveness.	Following the first year of permit implementation, as part of the Development Review Process, solicit feedback on the information provided to the developers and contractors provided during the first submittal of the development plan. The results of this survey will be documented within the Annual Report.	03/18	09/21
Part 6.4.1.4	Mohave County staff will document the Public Outreach Program messages and their effectiveness.	Review, during the second permit year and every subsequent two-year period thereafter, the survey results from the website, and feedback from contractors and developers, for the purpose of accessing the effectiveness of the message. The results of this review will be presented in the Annual Report, along with a discussion of any revisions made to the brochures, web page information, or educational material.	03/19	09/21



Table 1.2: Public Education and Outreach - Additional Information

Permit Citation	Plan
Part 6.4.1	Rjonn Burns – Mohave County Flood Control District, will serve as the main point of contact for the implementation of the Public Education and Outreach aspects of the SWMP. Tim Walsh - Mohave County Development Services, and Les Henley - Mohave County Public Works, will assist in its implementation.
Part 6.4.1.1	The privately owned property within the Mohave County MS4 permit area is almost entirely developed with single-family housing, small commercial businesses, and a series of small parcels owned by a privately operated water utility. There is no heavy industry within the permit area. In addition, there aren't any schools, libraries or County owned/operated community centers or gathering places. The lone County-owned facility is a sheriff substation, located in the NLH region. Based on this, the targeted audiences consist of residential and commercial developers/contractors, automotive and boat repair, service and storage facilities, and homeowners and/or homeowner's associations. The general population will be made aware of the hazards of improper disposal of chemicals and household products such as, but not necessarily limited to, paints, solvents, pesticides, and animal waste. Given the presence of equestrian-zoned lots, additional information targeting the population associated with this use will be included in the educational materials. Because there aren't any schools or libraries within the MS4 area, but instead these facilities are found within the incorporated limits of Lake Havasu City, distribution of educational material for children may be limited. Mohave County will place information on its web pages, and place it at the County Facilities, where appropriate.
Part 6.4.1.2	Specific target audiences, such as residential and commercial developers/operators, restaurants, service stations, and/or homeowner's associations, were selected because they are representative of the character and make-up of the community. Targeted audiences that represent the business activities within the community will be made aware of the hazards and costs of sedimentation and erosion, of improper disposal of construction wastes, cooking grease, gasoline spills, paints, solvents, fiberglass, etc., as appropriate to the industry. Businesses that potentially engage in activities that could fall under AZPDES Industrial Non-Mining Multi-Sector General Permit (e.g., automotive repair, marine vehicle repair) will be provided with additional information regarding the need to apply for this permit as well.



Table 1.2: Public Education and Outreach - Additional Information (cont.)

Permit Citation	Plan
Part 6.4.1.3	<p>Public education and outreach will be conducted by a variety of methods that may include in-service training programs, distribution of brochures, newspaper notification, and meetings with residents, business owners and homeowner’s associations. Mohave County staff, as appropriate, will conduct meetings or deliver materials to targeted audiences. This information will be reviewed for effectiveness with input from the public being sought via direct inquires or indirect surveys.</p> <p>Stormwater web pages will be added to Mohave County website. The web page will address relevant stormwater topics. Documents related to the County’s stormwater program, including the SWMP, NOI, and stormwater related ordinances and policies will be made available on the website for review, use and download. Stormwater related links to other public and/or non-profit organizations will be provided to supplement the information presented on the web pages. This information will be reviewed to ensure it is up-to-date and to verify if it is being used as a resource by the public.</p>



MCM 2. Public Involvement/Participation

Table 2.1: Public Involvement and Participation - BMPs and Measurable Goals

Permit Citation	BMP(s)	Measurable Goal(s)	Implementation	
			Start Date (MM/YY)	End Date (MM/YY)
Part 6.4.2.1	Mohave County staff will notify the Public of the SWMP via public notification.	Place an announcement in the local newspaper, notifying the public of the implementation of the SWMP. A copy of the public notification will be provided in the first year's Annual Report.	03/17	05/17
Part 6.4.2.1	Mohave County staff will notify the Public of the SWMP via public notification.	Provide a link on the Mohave County web page that will allow viewing of the SWMP. The number of times this link is accessed will be tracked and reported as part of the Annual Report.	03/17	09/21
Part 6.4.2.2	Mohave County staff will annually provide the public an opportunity to participate in the review of the SWMP.	On the stormwater web pages, provide an email address that will allow the public to ask questions or comment on the SWMP. Questions, comments, responses and actions taken will be tracked and reported as part of the Annual Report.	03/17	09/21
Part 6.4.2.2	Mohave County staff will annually provide the public an opportunity to participate in the implementation of the SWMP.	On the website, provide an online form in which the public can file a stormwater complaint. The number of complaints will be tracked and reported as part of the Annual Report.	03/17	09/21
Part 6.4.2.3	Mohave County staff will report on the activities undertaken to provide public participation.	Create a web page that provides information on where to dispose of common Household Hazardous Waste. The number of times this web page was used will be tracked with the results reported as part of the Annual Report.	03/17	09/21



Table 2.1: Public Involvement and Participation - BMPs and Measurable Goals (cont.)

Permit Citation	BMP	Measurable Goal(s)	Implementation	
			Start Date (MM/YY)	End Date (MM/YY)
Part 6.4.2.3	Mohave County staff will report on the activities undertaken to provide public participation.	Provide, as part of the E.R.A.C.E. program, a cleanup event(s) within the limits of the MS4 Permit Area. The event(s) location(s), the date(s) and the time(s) will be reported as part of the Annual Report.	03/17	09/21
Part 6.4.2.3	Mohave County staff will report on the activities undertaken to provide public participation.	Provide, as part of the Mohave County Public Works Department Trash Collection Program, a cleanup event(s) within the limits of the MS4 Permit Area. The event(s) location(s), the date(s) and the time(s) will be reported as part of the Annual Report.	03/17	09/21
Part 6.4.2.3	Mohave County will report on the activities undertaken to provide public participation.	Provide, as part of the E.R.A.C.E. program, a community awareness presentation within proximity of the MS4 Permit Area. The date(s), time(s), target audience, and number of attendees will be reported as part of the Annual Report.	03/17	09/21
Part 6.4.2.3	Mohave County will report on the activities undertaken to provide public participation.	Provide the public access to the data collected by its rain and discharge gauges for the purpose of reviewing stormwater runoff within the MS4. Access to this web page from the stormwater web page link will be tracked and the statistics reported as part of the Annual Report.	03/17	09/21
Part 6.4.2.3	Mohave County will report on the activities undertaken to provide public participation	Provide, as part of the Litter Removal Program, a community event(s) road clean up within the MS4 Permit area. The event location(s), date(s) and results will be reported as part of the Annual Report.	03/17	09/21



Table 2.2: Public Involvement and Participation - Additional Information

Permit Citation	Plan
Part 6.4.2	Rjonn Burns – Mohave County Flood Control District, will serve as the main point of contact for the implementation of the Public Involvement and Participation aspects of the SWMP. Tim Walsh - Mohave County Development Services, and Les Henley - Mohave County Public Works, will assist in its implementation.
Part 6.4.2.1	The public notification will be published in the Today’s News-Herald and the Kingman Daily Miner. It will also be provided electronically via the Mohave County Website.
Part 6.4.2.1	The SWMP and NOI will be provided electronically on the Mohave County Website along with links to other sources of information.
Part 6.4.2.2	Included as part of the contact information for the stormwater web page system, an email address and a general Mohave County Flood Control District phone number will be provided to allow for the public to ask questions and make comments either electronically or verbally. In addition, most Mohave County meetings are open to the public and the public can attend and voice comments on the proceedings. All relevant public comments are considered.
Part 6.4.2.3	In similar fashion to what is currently being provided by Lake Havasu City as part of their MS4 Program, Mohave County will provide the names and addresses of the business within the Lake Havasu City area that collect and dispose of various types of materials. This information will be added directly to the web pages created for the Stormwater Management Program. The information will be reviewed quarterly to ensure that it is up-to-date.
Part 6.4.2.3	Mohave County Department of Public Works currently provides opportunities for public involvement through existing volunteer cleanup efforts such as the E.R.A.C.E. program and trash pick-up efforts, Adopt-a-Wash/Adopt-a-Road programs or as potentially part of a visual monitoring program. Participants in the monitoring programs may come from local homeowner’s associations, philanthropic organizations, business owners or interested citizens of the community who may wish to be involved. GIS shapefiles of the drainage facilities in the permit area have been prepared in preparation for the programs, along with a direct link to the Mohave County ALERT system, which records precipitation and runoff at set locations adjacent to the designated MS4 areas. The volunteer program will be implemented as early as 09/17 with the intent of building up support and involvement over the course of the permit.



MCM 3. Illicit Discharge Detection and Elimination

Table 3.1: Illicit Discharge Detection and Elimination - BMPs and Measurable Goals

Permit Citation	BMP	Measurable Goal(s)	Implementation	
			Start Date (MM/YY)	End Date (MM/YY)
Part 6.4.3.	Mohave County staff will implement an IDDEP to find and reduce to the MEP non-stormwater discharges within the MS4 permit area.	<p>Submit a Stormwater Management Ordinance (SMO) that includes an illicit discharge detection and elimination program (IDDEP) for review and approval to the Mohave County Board of Supervisors. A draft copy of the IDDEP will be made available to the public for review on the Mohave County Stormwater Quality Web pages. The exact URL and date the draft copy of the SMO was uploaded to the Mohave County Website will be documented in the Annual Report.</p> <p>Adopt an SMO that, at a minimum, includes the requirements listed in Part 6.4.3 of the permit. A Draft copy of the SMO will be made available to the public for review on the Mohave County Stormwater Quality Web pages. The exact URL and date the adopted version of the IDDEP was uploaded to the Mohave County Website will be documented in the Annual Report.</p>	03/17	09/17
			09/17	09/18
Part 6.4.3.4	Mohave County will implement a system to report illicit discharges in its MS4.	Create an electronic form on the Mohave County Stormwater Web page, and the Mohave County main web page, that allows the public to report an illicit discharge. The number of complaints reported and the actions taken will be documented as part of the Annual Report.	03/17	09/21



Table 3.1: Illicit Discharge Detection and Elimination - BMPs and Measurable Goals (cont.)

Permit Citation	BMP	Measurable Goal(s)	Implementation	
			Start Date (MM/YY)	End Date (MM/YY)
Part 6.4.3.4	Mohave County will implement a system to report illicit discharges in its MS4.	Provide a phone number and/or email address that allows the public to report an illicit discharge. The number of complaints reported using this system and actions taken will be documented as part of the Annual Report.	03/17	09/21
Part 6.4.3.4 & Part 6.4.3.10	Mohave County will implement a system to reduce, to the MEP, illicit discharges in its MS4.	Train existing staff on the SMO, the procedures for following up on an illicit discharge complaint and steps available to them in enforcement of the IDDEP. The date, time and number of attendees will be documented in the Annual Report.	09/17	03/18
		Train new staff, during the probationary period, on the SMO and the IDDEP procedures for following up on an illicit discharge complaint reported via the website, and steps available to them in enforcement of the IDDEP. The hiring date, training date, and number of attendees will be documented in the Annual Report.	03/18	09/21
		Provide annual training for personnel regarding Mohave County's SMO and IDDEP. The training date, number of attendees and type of training will be documented in the Annual Report.	03/18	09/21



Table 3.1: Illicit Discharge Detection and Elimination - BMPs and Measurable Goals (cont.)

Permit Citation	BMP	Measurable Goal(s)	Implementation	
			Start Date (MM/YY)	End Date (MM/YY)
Part 6.4.3.5	Mohave County staff will respond to illicit discharge reports.	Investigate reports from the public of illicit discharges or those discharges identified during the Visual Monitoring Inspections. The investigation and actions taken will be documented using the forms provided as part of the IDDEP. The results of the investigation will be documented in the Annual Report.	03/18	09/21
Part 6.4.3.5	Mohave County staff will use enforcement to remedy illicit discharges that occur in its MS4.	Issue citations to responsible parties, requiring immediate cessation of discharges. If needed, seek legal action in accordance with the adopted SMO. The citations, actions and remedies will be documented in the Annual Report.	03/18	09/21
Part 6.4.3.8 a)	Mohave County will implement a dry weather visual monitoring program.	Inspect the MS4 outfalls in accordance with the IDDEP. The findings of the inspections will be documented in the Annual Report and the Discharge Monitoring Report.	09/17	09/21
Part 6.4.3.8 b)	Mohave County will implement a wet weather visual monitoring program.	Inspect during, or as soon as practical after a stormwater runoff event, five (5) representative MS4 outfalls in accordance with IDDEP. The number of inspections will be four (4) per year, with two (2) in each season. The findings will be documented in the Annual Report and a Discharge Monitoring Report (DMR).	09/17	09/21



Table 3.1: Illicit Discharge Detection and Elimination - BMPs and Measurable Goals (cont.)

Permit Citation	BMP	Measurable Goal(s)	Implementation	
			Start Date (MM/YY)	End Date (MM/YY)
Part 6.4.3.8 c)	Mohave County will conduct follow-up screenings of suspected illicit discharges.	Inspect the MS4 outfalls and the potential point source of illicit discharges in accordance with the follow-up screening schedule defined in the IDDEP. The number of follow-up inspections will be documented in the Annual Report.	09/17	09/21
Part 6.4.3.11	Mohave County will inventory commercial and industrial facilities within the MS4	Map and catalogue the commercial and industrial businesses located within the MS4. The effort will include determining contact names, address and type of operations. Businesses that could potentially require the Multi-Sector General Permit will be identified. The number of commercial and industrial businesses operating within the MS4 and those whose operations fall within the MSGP will be documented within the Annual Report.	03/17	03/18
		Review the mapped information for the commercial and industrial businesses in the MS4 to ensure it contains the current information. Report any revisions to the data as part of the Annual Report.	03/18	09/21
Part 6.4.3.11	Mohave County will inform the commercial and industrial facilities of existing AZPDES/NPDES permits.	Mail brochures to the businesses operating within the MS4 that provide information regarding the existing AZPDES & NPDES and the requirement for certain industries to gain coverage under the ADEQ's MSGP.	03/18	09/21



Table 3.2: Illicit Discharge Detection and Elimination - Additional Information

Permit Citation	Plan
Part 6.4.3	Rjonn Burns – Mohave County Flood Control District, will serve as the main point of contact for the implementation of the IDDEP. The Flood Control District will provide information on when a potential runoff event may be occurring using the ALERT system. The District will also assist with training staff and compiling the results of the Visual Monitoring Program. Les Henley – Mohave County Public Works, will serve as the point of contact for the Public Works Department. The Public Works Department will provide the resources for Visual Monitoring when necessary.
Part 6.4.3.5.	The investigation report will be formatted to provide the following information: 1) description of discharge, 2) estimated duration of discharge, 3) method of discovery, 4) date of discovery, 5) date of elimination, 6) mitigation or enforcement action, 7) party responsible for the illicit discharge, 8) estimated volume of discharge. If unknown, an explanation will be provided. This form will be included with the Annual Report.
Part 6.4.3.6	A list of non-stormwater discharges allowed within Mohave County’s MS4 has been provided on Page 2 of this document. As part of the investigation, Mohave County staff will compare the source of the reported discharge with this list to determine if it is an illicit discharge or an allowable non-stormwater discharge.
Part 6.4.3.8	The outfalls are identified and mapped as part of the MS4 mapping effort. The list of outfalls has been provided on Page 4.
Part 6.4.3.8	An inspection form for the visual monitoring efforts will be developed as part of the IDDE program. The form will be used to document: 1) outfall identification, 2) inspector, 3) time of inspection, 4) inspection date, 5) weather conditions, 6) estimated flow rate, 7) odor, 8) color, 9) clarity, 10) debris, 11) floatables, and 12) foam. If necessary, samples will be sent to an approved lab for analytic testing. This form will be included with the Annual Report.
Part 6.4.3.8	The investigation report will be formatted to provide the following information; 1) description of discharge, 2) estimated duration of discharge, 3) method of discovery, 4) date of discovery, 5) date of elimination, 6) mitigation or enforcement action, 7) party responsible for the illicit discharge, 8) estimated volume of discharge. If the above information is found to be unknown or not applicable, an explanation will be provided. This form will be included with the Annual Report.



Table 3.2: Illicit Discharge Detection and Elimination - Additional Information (cont.)

Permit Citation	Plan
Part 6.4.3.8 a) and b)	Mohave County maintains rainfall and discharge gages in proximity of the MS4 permit areas. The gages will be used to alert the Mohave County Flood Control District and Mohave County Public Works of a potential runoff event. Using this information, Mohave County Public Works can either schedule a visual dry weather outfall inspection or implement a visual stormwater inspection.
Part 6.4.3.8 b)	Weather permitting, Visual Stormwater Monitoring shall occur a minimum of twice (2 times) per wet season as defined by the following dates. <ul style="list-style-type: none"> • Summer: June 1 – October 31 • Winter: November 1 – May 31
Part 6.4.3.11	The mapping effort will be conducted using Esri products. The information will be stored as a shapefile, which will be available to Mohave County staff through its Intranet system.
Part 6.4.3.11	Brochures created to inform the public will be mailed directly to the businesses as part of the target audience, public outreach efforts discussed above. The brochures will be mailed annually to the businesses.



MCM 4. Construction Site Stormwater Runoff Control

Table 4.1: Construction Site Stormwater Runoff Control - BMPs and Measurable Goals

Permit Citation	BMP	Measurable Goal(s)	Implementation	
			Start Date (MM/YY)	End Date (MM/YY)
Part 6.4.4.1	Mohave staff will assess existing regulatory measures for purpose of developing, implementing and enforcing a construction activity program to reduce, to the Maximum Extent Practicable (MEP), pollutant discharges from construction activities.	Review and revise, as needed, the existing measures (i.e. ordinances, manuals and checklists to include the requirement for addressing construction site stormwater quality and the submittal of a Stormwater Pollution Prevention Plan (SWPPP) for sites within the MS4 area that disturb one (1) or more acres of land or less than 1 acre, but part of a common plan of development or sale. Revisions will be documented as part of the Annual Report.	03/17	03/18
		Review and revise, as needed, design manuals to reference the Stormwater Management Ordinance (SMO) as it pertains to controlling storm runoff for construction sites within the MS4 area that meet the disturbance criteria. Revisions will be documented as part of the Annual Report.	03/17	03/18
		Review and revise, as needed, current checklists to include the requirement for SWPPP for construction sites located within the MS4 area that meet the disturbance criteria. Revisions will be documented as part of the Annual Report.	03/17	03/18



Table 4.1: Construction Site Stormwater Runoff Control - BMPs and Measurable Goals (cont.)

Permit Citation	BMP	Measurable Goal(s)	Implementation	
			Start Date (MM/YY)	End Date (MM/YY)
Part 6.4.4.	Mohave County staff will develop a Stormwater Management Ordinance (SMO) that includes regulations, and enforcement procedures for construction activities within the MS4 Area.	Prepare a Stormwater Management Ordinance (SMO) to reduce stormwater runoff and pollutants from construction activities from both public and private projects within the MS4. The date of implementation of this program will be reported in the Annual Report. Evaluate the program on an annual basis to ensure it meets the objective of reducing construction activity stormwater runoff. Any revisions to the program implemented during a given permit year will be reported in the Annual Report.	03/17	03/18
			03/18	09/21
Part 6.4.4.2 a.	Mohave County Board of Supervisors will implement and enforce a construction activity program to reduce, to the MEP, pollutant discharges from construction activities.	Adopt an SMO for the implementation and enforcement of a construction site stormwater runoff control program, including the requirement to submit for approval of an SWPPP as part of the development approval and design processes. The date the SMO is adopted will be reported in the Annual Report.	03/17	03/18
Part 6.4.4.3	Mohave County will institute a training program for personnel responsible for SWPPP reviews and inspections.	Train, on an annual basis, reviewers and inspectors to ensure they are qualified to implement the Construction Activity Stormwater Runoff Program. The types of training, dates of training and number of attendees will be documented in the Annual Report.	03/18	09/21



Table 4.1: Construction Site Stormwater Runoff Control - BMPs and Measurable Goals (cont.)

Permit Citation	BMP	Measurable Goal(s)	Implementation	
			Start Date (MM/YY)	End Date (MM/YY)
Part 6.4.4.4	During the approval process, Mohave County review staff will meet with private landowners, developers and contractors to assist them in preparing a proper SWPPP, implementing the plan and understanding what to expect during an inspection.	Track the number of permit reviews that required an SWPPP. Report the number of these reviews as part of the Annual Report.	03/18	09/21
Part 6.4.4.5	Mohave County will determine the frequency of inspections necessary to ensure that each construction site is meeting requirements outlined in the approved SWPPP.	Establish a minimum number of inspections needed to ensure compliance with the permit, then as part of the SWPPP review and approval, use the criteria listed in Part 6.4.4.2 to establish the appropriate number of inspections. A minimum of one inspection per site will be implemented.	03/18	09/21
Part 6.4.4.5	Mohave County will inspect construction sites within the MS4 area that meet the area of disturbance criteria in accordance with the inspection schedule.	Track the number of inspections of construction sites within the MS4 Area. Determine if the frequency matches what was documented in the SWPPP and if the number is sufficient to ensure compliance with the permit. Document the number of inspections as part of the Annual Report and state if the frequency was changed based on the results of the inspections.	03/18	09/21



Table 4.2: Construction Activity Stormwater Runoff Control - Additional Information

Permit Citation	Plan
Part 6.4.4	Rjonn Burns – Mohave County Flood Control District, will serve as the main point of contact for the implementation of the Construction Site Stormwater Runoff Control aspects of the SWMP. Tim Walsh - Mohave County Development Services, and Les Henley – Mohave County Public Works, will assist in its implementation.
Part 6.4.4.1	Mohave County Board of Supervisors will serve as the authoritative arm responsible for the adoption of the SMO.
Part 6.4.4.2	Mohave County’s Construction Activity Stormwater runoff control program will be developed as a cooperative effort between the departments mentioned above. The program will address, at a minimum, the requirements presented in Part 6.4.4.2 a. – 6.4.4.2 h. The program will incorporate the adopted ordinances, plan review and approval processes, new public issued submittal checklists, and standardized procedures for performing construction stormwater runoff and pollution control specific inspections.
Part 6.4.4.2.c	Enforcement of the SMO and subsequent policies will be the responsibility of Mohave County Public Works and Flood Control. The Mohave County Board of Supervisors may be called upon to assist in resolving compliance issues or, in the extreme cases, request legal action in accordance with processes laid out in the adopted ordinances.
Part 6.4.2.b	The inventory of construction activities will be part of the tracking and record keeping process specified in Part 6.4.4.5.
Part 6.4.4.2.g	Good housekeeping measures designed to control construction site waste, hazardous materials, litter, and sanitary waste will be incorporated in the requirements for a Stormwater Pollution Prevention Plan.
Part 6.4.4.4	Mohave County staff will educate the public during the review process and work with each individual to ensure that the SWPPP submitted for review meets the requirements. This education process will be a continuous effort as it will also carry over to contractors, private land owners and developers during the inspection process.



MCM 5. Post-Construction Stormwater Management in New Development and Redevelopment

Table 5.1: Post-Construction Stormwater Management - BMPs and Measurable Goals

Permit Citation	BMP	Measurable Goal(s)	Implementation	
			Start Date (MM/YY)	End Date (MM/YY)
Part 6.4.5.1	Mohave County staff will evaluate regulatory mechanism(s) to address post-construction runoff from new development and redevelopment projects.	Review, as needed, the existing measures (i.e. ordinances, manual and checklists) associated with development and/or redevelopment for the purpose of determining how these documents address controlling post-construction runoff. A list of measures that were reviewed will be part of the 2017 Annual Report	03/17	03/18
Part 6.4.5.1	Mohave County will adopt an SMO and other regulatory methods that address post-construction runoff from new development and redevelopment.	Submit the SMO and revised regulatory mechanisms to the Mohave County Board of Supervisors for adoption. SMO and revised regulatory mechanisms will be linked to the Stormwater Web page for review, use and download. The date that they are linked to the website will be documented in the 2018 Annual Report.	03/18	06/18
		Adopted ordinances and other regulatory mechanisms will be provided for review on the Mohave County Website. The date of adoption will be documented in the 2018 Annual Report.	06/18	09/18



Table 5.1: Post-Construction Stormwater Management - BMPs and Measurable Goals (cont.)

Permit Citation	BMP	Measurable Goal(s)	Implementation	
			Start Date (MM/YY)	End Date (MM/YY)
Part 6.4.5.1	Mohave County staff will implement the SMO and/or other mechanism within the specified time frame.	Train existing staff on the new SMO and regulatory mechanisms within two (2) months following the adoption of the new regulatory mechanisms. The training for existing staff will be completed such that implementation will begin within twenty-four months of effective date of the permit.	09/18	11/18
		Train staff hired after the initial implementation date during their probationary period.	09/18	09/21
		Report staff training, noting date of training, training topics and number of attendees as part of the Annual Report.	09/18	09/21
Part 6.4.5.2	Mohave County Flood Control will design, implement and maintain a site plan review process for evaluating post-construction stormwater controls on new development and redevelopment permit applications.	Review all new development and redevelopment site plans within the MS4 area for post-construction stormwater controls, as required, as part of the adopted regulatory mechanisms. The number of such reviews will be tracked and the results will be submitted as part of the Annual Report.	09/18	09/21



Table 5.1: Post-Construction Stormwater Management - BMPs and Measurable Goals (cont.)

Permit Citation	BMP	Measurable Goal(s)	Implementation	
			Start Date (MM/YY)	End Date (MM/YY)
Part 6.4.5.3	Mohave County staff will inventory all post-construction structural stormwater control measures installed or implemented within the permit area on private facilities.	Add the location and description of the post-construction structural stormwater control measures installed or implemented at new development or redevelopment sites within the permit area. The number of added measures will be reported as part of the Annual Report.	09/18	09/21
Part 6.4.5.3	Mohave County staff will inventory all post-construction structural stormwater control measures installed or implemented on public facilities within the permit area.	Add the location and description of post-construction stormwater control measures installed or implemented on public facilities within the permit area. The number of measures added to the inventory will be tracked as part of the Annual Report.	09/18	09/21
Part 6.4.5.4	Mohave County staff, using regulatory measures, will delegate the responsibility of inspecting post-construction stormwater controls on private property to ensure the long-term operation and maintenance of these features.	Require, as part of the standard notes, a general note to all development and redevelopment final plats recorded within the MS4 permit area that delegates the responsibility of inspecting and maintaining post-construction stormwater controls. The number of final plats that had this general note added will be reported as part of the Annual Report.	09/18	09/21



Table 5.1: Post-Construction Stormwater Management - BMPs and Measurable Goals (cont.)

Permit Citation	BMP	Measurable Goal(s)	Implementation	
			Start Date (MM/YY)	End Date (MM/YY)
Part 6.4.5.4	Mohave County, using regulatory measures, will require inspections and inspection reports to be filed with the County for the purpose of ensuring long-term operation and maintenance of post-construction stormwater controls on private property.	Collect annual inspection and maintenance reports from the responsible parties that have installed post-construction stormwater control measures as part of their development. The number of inspections will be reported as part of the Annual Report.	09/18	09/21
		Send notifications to the responsible parties stating that their inspection reports are due or past due. The number of notifications sent will be reported as part of the Annual Report.	09/18	09/21
		Cite the responsible parties for failure to inspect or maintain their post-construction stormwater controls. The number of citations will be reported as part of the Annual Report.	09/18	09/21
Part 6.4.5.4	Mohave County staff will ensure the long-term operation of post-construction stormwater controls by performing inspections.	Inspect post-construction stormwater control measures for delinquent property owners. County inspections will occur following two (2) years of non-compliance with the request and notification for inspection report. The number of such inspections will be reported as part of the Annual Report.	09/19	09/21



Table 5.1: Post-Construction Stormwater Management - BMPs and Measurable Goals (cont.)

Permit Citation	BMP	Measurable Goal(s)	Implementation	
			Start Date (MM/YY)	End Date (MM/YY)
Part 6.4.5.4	Mohave County staff will ensure the long-term operation of post-construction stormwater controls by inspecting, preparing inspections reports, and where necessary, maintaining the facilities located on municipal sites within the MS4 Permit Area.	Perform an inspection and prepare a report on the post-construction stormwater control BMP's for the public facilities located within the MS4 Permit Area. The results of the inspection information will be incorporated into the Annual Report.	09/18	09/21
		Maintain and repair the post-construction control measures based on the inspection report. Maintenance activities and the date the maintenance occurred will be reported as part of the Annual Report.	09/18	09/21



Table 5.2: Post-Construction Stormwater Management - Additional Information

Permit Citation	Plan
Part 6.4.5	Rjonn Burns – Mohave County Flood Control District, will serve as the main point of contact for the implementation of the Post-Construction Stormwater Management aspects of the SWMP. Tim Walsh - Mohave County Development Services, and Les Henley – Mohave County Public Works, will assist in its implementation.
Part 6.4.5.1	The Stormwater Management Ordinance will include, in some form, the requirement for post-construction stormwater management measures. This requirement will be referenced in the following documents: 1) Drainage Design Manual, 2) Zoning Ordinance as part of the implementation and enforcement processes.
Part 6.4.5.1	Mohave County Flood Control District, Mohave County Public Works and Mohave County Development Services will be responsible for revising or creating, if necessary, the mechanisms that will serve to regulate post-construction stormwater.
Part 6.4.5.1	Mohave County Board of Supervisors will serve as the governing entity responsible for adopting the ordinances and other regulatory measures needed for compliance with the permit.
Part 6.4.5.2	Mohave County Flood Control District and Mohave County Development Services will implement, educate, review and enforce the Post-Construction Stormwater Management regulations and policies.
Part 6.4.5.3	Mohave County Flood Control District and Mohave County Development Services will enforce the requirement of long-term operation and maintenance of the post-construction stormwater control measures through citing property owners for not providing inspections reports. The civil penalty may come in the form of charging the owner for the cost of County crews inspecting the post-construction stormwater control measures and reporting the findings. If maintenance is required to bring the stormwater control measures back into compliance, the cost of doing so may be charged to the property owner.
Part 6.4.5.4	Mohave County Public Works will provide inspection assistance, as requested, to ensure long-term operation and maintenance of the post-construction stormwater control measures.
Part 6.4.5.4	Mohave County Public Works will be responsible for implementation, education, review, and maintenance of the BMPs implemented at the public facilities to ensure their long-term operation and maintenance.



MCM 6. MCM 6. Pollution Prevention/Good Housekeeping for Municipal Operations

Table 6.1: Pollution Prevention/Good Housekeeping - BMPs and Measurable Goals

Permit Citation	BMP	Measurable Goal(s)	Implementation	
			Start Date (MM/YY)	End Date (MM/YY)
Part 6.4.6.a	Mohave County staff will develop an inventory of municipal operations within the MS4.	Create a GIS shapefile layer that contains the location of municipal operations within the MS4 permit areas. The description and location of these facilities will be documented in the Annual Report.	03/17	03/18
Part 6.4.6.a	Mohave County staff will update the inventory of municipal operations that discharge into the MS4.	Review, on an annual basis, the GIS shapefile and add new municipal facilities that began operating within the MS4 permit area. The review will of the facilities will occur in the 3 rd Quarter of each reporting year. The inventory will be presented in the Annual Report.	03/18	09/21
Part 6.4.6.b	Mohave County staff will prioritize municipal facilities based on their risk to discharge.	Develop a scale for rating municipal facilities to determine their level of risk for discharging pollutants to prioritizing the number of inspections performed in a given permit year. The list of ranking criteria will be documented in the initial Annual Report.	09/17	03/18
		Rank municipal facilities and set the number of inspections to be performed. The ranking will be reported as part of the Annual Report.	03/18	03/19
		On an annual basis, review the types of municipal facilities and their intended function to prioritize their risk for discharging pollutants. Revisions to the rankings or number of inspections will be stated as part of the Annual Report.	03/18	09/21



Table 6.1: Pollution Prevention/Good Housekeeping - BMPs and Measurable Goals (cont.)

Permit Citation	BMP	Measurable Goal(s)	Implementation	
			Start Date (MM/YY)	End Date (MM/YY)
Part 6.4.6.c	Mohave County staff will implement an inspection schedule for municipally owned and operated facilities.	<p>Inspect the initially inventoried, municipally owned and operated facilities based on the established schedule. The time and frequency of the inspections will be reported in the Annual Report.</p> <p>Mohave County staff will inspect newly identified municipally owned and operated facilities based on the established schedule. The time and frequency of the inspections will be reported in the Annual Report.</p>	09/17	03/18
			03/18	09/21
Part 6.4.6.d	Mohave County staff will update inspection frequency based on inspection findings.	On an annual basis, review the inspection findings and the inventory of municipally owned or operated facilities, then update the list of facilities, priority rankings and inspection frequency. Revisions to the priority ranks and subsequent inspection frequency will be noted in the Annual Report.	03/18	09/21



Table 6.1: Pollution Prevention/Good Housekeeping - BMPs and Measurable Goals (cont.)

Permit Citation	BMP	Measurable Goal(s)	Implementation	
			Start Date (MM/YY)	End Date (MM/YY)
Part 6.4.6.e	Mohave County will develop and implement stormwater controls at the municipally owned or operated facilities that are located within the MS4.	Develop a site-specific, stormwater management program (SS-SWMP) for the initially identified facilities. The program will include controls to reduce, to the MEP, discharge pollutants as well as elements associated with good housekeeping practices. Once created, the SS-SWMP will be made available to the facility operators directly and via the Stormwater Web pages. The date of completion of the SS-SWMP for the initially identified facilities will be reported in the Annual Report.	09/17	03/18
		Develop an SS-SWMP for newly identified facilities. Once created, the SS-SWMP will be made available to the facility operators directly and via the Stormwater Web pages. The date of completion of the SS-SWMP for the newly identified facilities will be reported in the Annual Report.	03/18	03/21



Table 6.1: Pollution Prevention/Good Housekeeping - BMPs and Measurable Goals (cont.)

Permit Citation	BMP	Measurable Goal(s)	Implementation	
			Start Date (MM/YY)	End Date (MM/YY)
Part 6.4.6.e	Mohave County will implement stormwater controls at the municipally owned or operated facilities.	Implementation of the SS-SWMP for the initially identified facilities will begin within one (1) year of obtaining coverage and span the life of the permit. The date of implementation will be provided in the Annual Report.	03/18	03/19
		Implementation of the SS-SWMP for the newly identified facilities will begin within one (1) year of the creation of the program. The date of implementation will be provided in the Annual Report.	03/19	03/21
Part 6.4.6.f	Mohave County staff will develop and implement a training schedule to incorporate pollution prevention and good-housekeeping techniques into everyday operations and maintenance activities.	Conduct annual training for personnel working at the municipal facility. The training should include the information presented in the SS-SWMP, as well as aspects of good housekeeping, and pollution prevention. Training topics, frequency, and number of attendees will be documented as part of the Annual Report.	03/17	09/21



Table 6.1: Pollution Prevention/Good Housekeeping - BMPs and Measurable Goals (cont.)

Permit Citation	BMP	Measurable Goal(s)	Implementation	
			Start Date (MM/YY)	End Date (MM/YY)
Part 6.4.6.g	Mohave County staff will develop maintenance activities, maintenance schedules, and long-term inspection procedures for structural and non-structural stormwater controls.	As part of the SS-SWMP maintenance activities, adopt maintenance schedules and long-term inspection procedures for structural and non-structural stormwater controls for the initially identified, municipally owned or operated, facilities. The date of development of the SS-SWMP will be provided in the Annual Report.	03/17	03/18
		As part of the SS-SWMP maintenance activities, adopt maintenance schedules and long-term inspection procedures for structural and non-structural stormwater controls for the newly identified, municipally owned or operated, facilities. The date of development of the SS-SWMP will be provided in the Annual Report	03/18	03/21
Part 6.4.6.g	Mohave County staff will develop maintenance activities, maintenance schedules, and long-term inspection procedures for structural and non-structural stormwater controls.	Clean/Maintain the structural components mapped as part of the MS4 and the post-development stormwater components constructed as part of the SS-SWMP. The dates of the cleaning/maintenance operations will be documented in the Annual Report.	03/17	03/21



Table 6.2: Pollution Prevention/Good Housekeeping - Additional Information

Permit Citation	Plan
Part 6.4.6.a	It is anticipated that the Mohave County Sheriff’s Office and the future Mohave County Public Works maintenance yard will require an SS-SWMP, which will contain Pollution and Prevention/Good Housekeeping program.
Part 6.4.6.b	Mohave County Public Works, once trained, will assist in the inspections of the municipally owned or operated facilities.
Part 6.4.6.e	The SS-SWMP may be revised to reflect changes in site conditions, site uses, or site procedures and personnel. Changes to the SS-SWMP will be summarized in the Annual Report when they are implemented.
Part 6.4.6.f	Rjonn Burns – Mohave County Flood Control District, will serve as the main point of contact for the development and training associated with Pollution Prevention/Good Housekeeping aspects of the SWMP. Les Henley – Mohave County Public Works, will serve as main contact for the inspections and oversee the implementation of the SS-SWMP to ensure a long-term operation and maintenance of the controls therein.
Part 6.4.6.g	As part of the training, facility personnel will be given access to either a digital or hard copy version of the SS-SWMP. From this training, the staff will learn to evaluate and assess the SS-SWMP to ensure the measures therein meet the conditions of the facility and the current staffing. If necessary, suggested changes to the SS-SWMP will be brought back to either Rjonn Burns or Les Henley for review and approval. Any revisions to the SS-SWMP, or the Pollution Prevention/Good Housekeeping measures will be documented as part of the Annual Report.
Part 6.4.6.g	Cleaning/Maintenance Operations will include the removal of sediment, debris, hazardous spills, and trash in and around the mapped MS4 components such as culverts, catch basins, spillways, at-grade crossings, and channels. Street sweepers will be used to remove sediment, debris and trash from the public roadway. These efforts may be assisted by the volunteer groups, who will have the ability to remove trash within the complete right-of-way outside the limits of the paved surface, which are typically inaccessible to the street sweepers. The dates, locations and operations performed will be documented as part of the Annual Report.



Table 6.2: Pollution Prevention/Good Housekeeping - Additional Information (cont.)

Permit Citation	Plan
Part 6.4.6.	Cleaning/maintaining the post-construction stormwater controls will include the removal of sediment, trash and debris, restoring the volume capacity of stormwater quality basins, cleaning trash out of the facilities, and properly disposing of hazardous materials that are not part of the sites operations or that are no longer in use. The dates, locations and operations performed will be documented as part of the Annual Report.
Part 6.4.6.g	The cleaning and maintenance schedule will be established as part of the Good Housekeeping/Pollution Prevention Program. However, at a minimum, the efforts will occur twice a year, prior to the summer and winter wet seasons, or in response to a stormwater quality complaint investigation or routine inspection.



Staffing and Resources Allocations

The Mohave County Flood Control District, Public Works, Development Services, and Board of Supervisors will share the responsibility for the implementation of the measures described within this SWMP.

Mohave County Flood Control District will serve as the primary contact for the program. In addition, the District will oversee the public outreach and public education efforts, maintain the library of education materials and host the stormwater quality web pages. The District will be responsible for inspecting and maintaining the MS4 components that are located within the public easements dedicated specifically to the District. The District will respond to stormwater quality complaints and concerns submitted by the public. The District will also be responsible for the collection data used to track the goals outlined within the SWMP and for preparing and submitting the Annual Report.

The Mohave County Public Works Department will provide inspection services for the components within the MS4 that lie within the county-maintained right-of-way. In addition, the Department will inspect, operate and maintain post-construction control measures located on County owned or operated, municipal facilities within the MS4.

The Mohave County Development Services will serve as the reviewing entity for new development and redevelopment. Through the permitting processes, Development Services will assist in implementing the construction and post-construction aspects of the SWMP. This implementation process will include enforcing the requirements associated with controlling stormwater as well as educating the public on the need for controlling stormwater and the requirements associated with doing so. The Department will assist in the public participation events, such as household hazardous waste collection days, brush and bulky collection days and tire collection days.

The Mohave County Development Services and Public Works, along with the Mohave County Board of Supervisors, will serve as the authoritative arm of the Mohave County Stormwater Management Program. The Board will review and adopt the regulatory measures needed to ensure compliance with the permit as discussed in the SWMP. Mohave County Development Services and Public Works will act upon reported violations. The Board will respond to Mohave County staff requests for the undertaking of legal action and, when necessary, direct the County attorney to pursue legal action in accordance with the adopted Ordinances.

The initial funding for the program including development, implementation, training, and enforcement will be through the General Fund and for the most part will utilize County Staff. Other sources, such as additional permit review fees, may be used to offset the cost of the program.

Analytical Monitoring

Mohave County's MS4 drains to several named and unnamed washes. At this time, a Total Maximum Daily Load (TMDL) has not been established for any of the receiving waters. Also, the MS4 does not discharge to any impaired waters, not-attaining or Outstanding Waters as designated by ADEQ. Therefore, Mohave County will not sample and analyze the discharge from the MS4 at this time.



Program Evaluation

Mohave County will evaluate its program's compliance with the permit, as well as the appropriateness of the selected BMPs, in regards to their ability in meeting the objectives of the control measures and defined goals. The evaluation will occur September of each year starting in 2018. The District, in cooperation with the other departments, will evaluate the implementation status of the SWMP components as well as the effectiveness of each component or combination of components. Mohave County will determine how the SWMP needs to be revised, if at all. If the SWMP needs to be revised, Mohave County will notify ADEQ of the revisions or additions. Should components of the SWMP need to be replaced, Mohave County will submit to ADEQ a plan that describes the proposed revisions and explains why the initial practice is ineffective and why the replacement practice is expected to better achieve the intended management goals. It is understood that ADEQ may require Mohave County to revise the BMPs described in the Annual Report.

Record Keeping

Mohave County will retain the records required by this permit for a period of no less than three (3) years. The records to be retained include, but are not limited to, information used to develop the requisite programs (i.e. IDDEP etc.), monitoring results, copies of reports, records of screening, illicit discharge complaints and records of the follow-up action undertaken, maintenance records, inspection reports, enforcement action, submitted SWPPP and Post-Construction Plans, Notice of Intent, Site-Specific Stormwater Management Programs (SS-SWMP), previous Stormwater Management Programs (SWMP), Discharge Monitoring Reports (DMR) and Annual Reports.

The public shall be able to review the current SWMP and the Programs electronically via the Stormwater Web page. Back up documentation will be available in the Mohave County Development Services office and can be viewed during normal business hours. Copies of information may be obtained at the standard copying rates charged by Mohave County Development Services.

The records (hardcopy and electronic copy) can be accessed at:

Mohave County Development Services
3250 E. Kino Avenue
Kingman AZ, 86409

The ADEQ Director or an authorized representative may request access to the records during normal business hours.



Discharge Monitoring Report

Starting in 2018 and extending through the life of the permit, Mohave County will summarize the results of its monitoring efforts as part of a discharge monitoring report (DMR). The efforts documented in the DMR will span July 1 of the preceding year to June 30. The DMR will be submitted to ADEQ no later than September 30.

Annual Reports

Mohave County will submit an Annual Report to ADEQ by September 30, 2017 for the period of time between March 31, 2017 and June 30, 2017. Starting in 2018, Mohave County will submit additional Annual Reports by September 30th of each year for the permit period extending from July 1 through June 30. The report shall, at a minimum, contain the information listed in parts 8.4 of the AZG2016-002. Supporting documents will be attached to the Annual Report, as necessary.

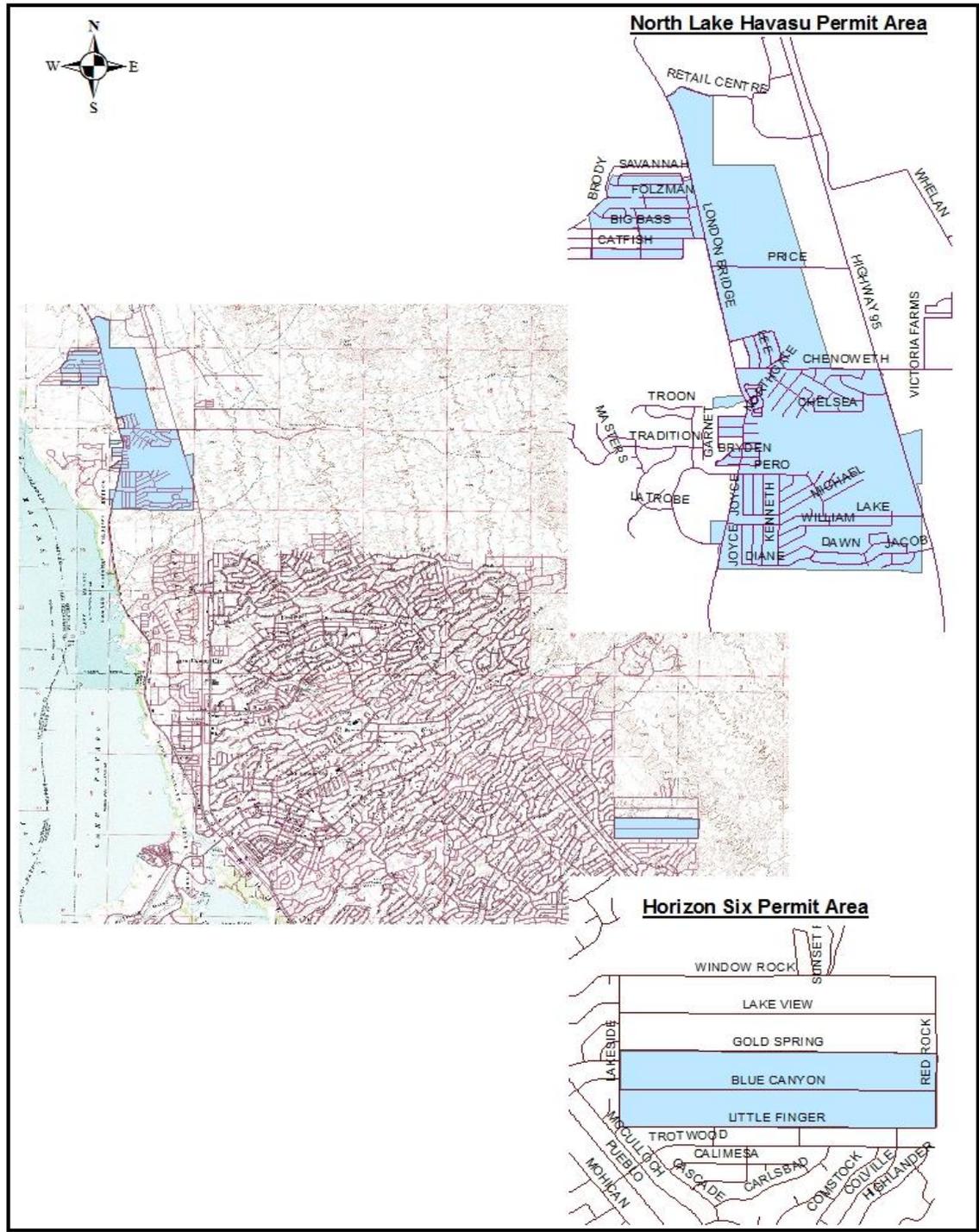
Until such time that an electronic submittal procedure becomes available, the report shall be sent to the following:

Arizona Department of Environmental Quality
1110 W. Washington Street, Mail Code 5451A-1
Phoenix, AZ 85007



Attachment 1 - Jurisdictional Boundaries Map

Figure 2: Eligible Area of Unincorporated Mohave County



Attachment 2 - ADEQ MS4 Permit (AZG2016-002)

Draft



PERMIT NO. AZG2016-002

STATE OF ARIZONA
DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PHOENIX, ARIZONA 85007

ARIZONA POLLUTANT DISCHARGE ELIMINATION SYSTEM
GENERAL PERMIT FOR STORMWATER DISCHARGES
FROM SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEMS
TO WATERS OF THE UNITED STATES

This permit provides authorization to discharge under the Arizona Pollutant Discharge Elimination System (AZPDES) program, in compliance with the provisions of the Arizona Revised Statutes (A.R.S) and, Title 49, Chapter 2, Article 3.1, the Arizona Administrative Code (A.C.C.), and Title 18, Chapter 9, Article 9.

This general permit specifically authorizes stormwater discharges from small municipal separate storm sewer systems (MS4s) in Arizona to Waters of the United States, pursuant to 40 CFR § 122.34. All discharges authorized by this general permit shall be consistent with the terms and conditions of this general permit.

This general permit becomes effective on September 30, 2016.

This general permit and the authorization to discharge expires at midnight, September 29, 2021.

Signed this 29th day of September, 2016.

ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY


Trevor Baggione, Director
Water Quality Division

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1.0 COVERAGE UNDER THIS GENERAL PERMIT

1.1 Permit Area

This permit covers and applies to traditional and non-traditional regulated, Small Municipal Separate Storm Sewer Systems (MS4s) in Arizona, except those located in Indian Country:

- a. City or Town – Urbanized area(s) determined by the most recent Decennial Census by the Bureau of Census, including areas annexed during the permit term;
- b. County – Un-incorporated urbanized area determined by the most recent Decennial Census by the Bureau of Census;
- c. State, federal, and other publicly-owned properties that the director determines contributes to a violation of a water quality standard or is a significant contributor of pollutants to Waters of the U.S. and
- d. Areas outside of an urbanized area as designated by the director pursuant to Arizona Administrative Code (A.A.C.) R18-9-A902(D).

1.2 Eligibility

This permit authorizes the discharge of stormwater from small municipal separate storm sewer systems (MS4s) provided the permittee complies with all the requirements of this general permit, and the MS4:

- a. Is located fully or partially within an urbanized area as determined by the latest Decennial Census by the Bureau of Census; or
- b. Is designated for permit authorization by the department under the A.A.C. R-18-9-A902(D)(1), R18-9-A902(D)(2), R-18-9-A902(E), and R18-9-A905(A)(1)(f) which incorporates 40 CFR §122.32.

1.3 Non-Stormwater Discharges

1.3.1 Except as provided in Part 1.3.2, the permittee shall prohibit non-stormwater discharges into its MS4 unless the discharges are authorized by a separate NPDES or AZPDES permit.

1.3.2 The following categories of non-stormwater discharges (occurring within the jurisdiction of the permittee) are prohibited if the discharges are identified by the permittee as significant contributors of pollutants to the MS4. If any of the following categories of discharges are identified as a significant contributor, the permittee must address the category as an illicit discharge as specified in Part 6.4.3.1:

- a. Water line flushing
- b. Landscape irrigation
- c. Diverted stream flows
- d. Rising ground waters
- e. Uncontaminated ground water infiltration
- f. Uncontaminated pumped groundwater
- g. Discharges from potable water sources
- h. Foundation drains
- i. Air conditioning condensate
- j. Irrigation water

- k. Springs
- l. Water from crawl space pumps
- m. Footing drains
- n. Lawn watering
- o. Individual residential car washing
- p. Discharges from riparian habitats and wetlands
- q. Dechlorinated swimming pool discharges
- r. Street wash water, and
- s. Discharges or flows from firefighting activities

1.4 Limitations of Coverage

Except as provided in Part 1.3.2, this general permit does not authorize:

- 1.4.1** Discharges mixed with sources of non-stormwater unless the non-stormwater discharges comply with an applicable NPDES or AZPDES permit, as addressed in Part 1.3.1;
- 1.4.2** Stormwater discharges associated with industrial activity as defined in 40 CFR §122.26(b)(14)(i)-(ix) and (xi);
- 1.4.3** Stormwater discharges associated with construction activity as defined in 40 CFR §122.26(b)(14)(x) or 40 CFR §122.26(b)(15);
- 1.4.4** Stormwater discharges currently covered under another permit;
- 1.4.5** Discharges to impaired waters listed (including not-attaining waters) if discharge(s) from the MS4 contain, or may contain, pollutant(s) for which the receiving water is listed except:
 - a. If a TMDL has been established and the stormwater management program (SWMP) is consistent with the requirements of the TMDL, including any wasteload allocation or load allocation in the TMDL. The SWMP must also identify Best Management Practices (BMPs) the permittee will use to meet wasteload allocations or load allocations and include monitoring for associated pollutant(s); and
 - b. If a TMDL has not been established and the SWMP includes a section describing how the program will control the discharge of 303(d) listed pollutants and ensure to the maximum extent practicable that discharges from the MS4 will not cause or contribute to exceedances of surface water quality standards. The SWMP must also identify BMPs the permittee will use to control discharges and include monitoring of their effectiveness.
- 1.4.6** Discharges that do not comply with Arizona's anti-degradation rule R18-11-107;
- 1.4.7** Stormwater discharges prohibited under 40 CFR §122.4.

1.5 Permit Compliance

Non-compliance with any requirement of this permit constitutes a violation of the permit and may result in an enforcement action, including injunctive relief and/or penalties under state and federal laws.

2.0 AUTHORIZATION UNDER THIS GENERAL PERMIT

Upon the effective date of this permit, existing and new permittees automatically have coverage under this permit for up to 180 days. Existing and new Small MS4 operators who wish to retain coverage under this permit must submit a complete and accurate Notice of Intent to ADEQ within 180 days of the effective date of this permit.

2.1 Obtaining Permit Coverage

2.1.1 A person seeking authorization to discharge under this general permit shall submit to the department a complete and accurate Notice of Intent (NOI) on a form provided by the department and includes, at a minimum, the following information:

- a. Name of MS4
- b. Operator name and title
- c. Mailing address
- d. Annual fee billing information
- e. Contact person
- f. Contact information
- g. Estimated population (based on most recent Decennial Census by the Bureau of Census)
- h. Receiving water(s) – those listed in A.A.C., Title 18, Chapter 11, Article 1, Appendix B
- i. The number of outfalls that discharge to a receiving water listed in A.A.C. R18-11, Appendix B
- j. Outfall, name or identification of outfalls required in “i,” above
- k. Identification of a minimum of five (5) outfalls (or screening points) to be included in the visual stormwater discharge monitoring program (Part 6.4.3.8)
- l. Identification of impaired and not-attaining waters that receive discharges from the MS4, including the pollutant(s) causing the impairment, total maximum daily load, and waste load allocation(s), as applicable
- m. Identification of Outstanding Arizona Waters that receive discharges from the MS4
- n. BMPs and measurable goals for each of the six (6) minimum control measures (MCMs) identified in Part 6.4
- o. Outfall name or identification of those outfalls to be utilized for analytical monitoring of stormwater discharges to impaired, not-attaining waters and Outstanding Arizona Waters
- p. Schedule for developing and implementing BMPs and associated program elements specified in this permit
- q. Proposal for alternative to visual stormwater discharge monitoring, if applicable (Part 6.4.3.8)
- r. Additional information specified in the NOI for ADEQ to determine eligibility under this permit.

2.1.2 Eligible persons wishing to retain coverage under this permit (existing and new MS4 operators) must submit a complete and accurate NOI to the department within 180 days of the effective date of this permit. Small MS4 operators notified after the effective date of this permit must submit a NOI within 180 days of receiving notification in writing by ADEQ that they are subject to permitting. Persons failing to submit a new NOI within the applicable timeframe will be considered discharging without a permit.

- 2.1.3** If the department notifies the applicant of deficiencies or inadequacies in any portion of the NOI, or requests additional information, the applicant must correct the deficient or inadequate portions and submit a revised NOI that addresses the deficiencies within seven (7) days of receiving notification.
- 2.1.4** The permittee must submit a revised NOI to the department within fifteen (15) days whenever there is a change of information (certifying official, mailing address, contact information, BMPs, measurable goals, etc.).
- 2.1.5** Notice of Intent forms submitted to ADEQ will be posted on the ADEQ website and made available for public comment. ADEQ may request additional information from the application based on public comments.

2.2 Permit Fees

Permittees are subject to fees established in A.A.C. R18-14-109. The department will issue an invoice annually to the permittee at the address identified on the NOI.

New permittees must submit the applicable fee with their NOI.

Existing permittees are not required to include the annual fee when submitting an NOI to obtain coverage under this permit.

2.3 Terminating Coverage

A permittee may terminate coverage under this general permit by submitting a notice of termination (NOT) on a form provided by the department. Authorization to discharge terminates at midnight on the day the NOT is received by the department.

If the operator does not obtain coverage under an alternate AZPDES permit that authorizes the discharge of stormwater prior to submitting the NOT, the operator will be considered discharging without a permit.

NOTs must be signed in accordance with Part 9.9 and must be submitted to the following address until such time as electronic submission is available:

Arizona Department of Environmental Quality
Surface Water Section (5415A-1)
1110 West Washington Street
Phoenix, AZ 85007

2.4 Coverage under an Individual Permit

Pursuant to A.A.C. R18-9-C902, a person may request, or be required by the director, to obtain coverage under an individual permit.

2.5 Continuation of this General Permit

If this permit is not reissued prior to the expiration date, it will be administratively continued in accordance with A.A.C. R18-9-C903 and remain in force and effect for discharges that were authorized prior to expiration.

If the MS4 operator does not submit a timely, complete, and accurate NOI requesting authorization to discharge under a reissued permit or a timely request for authorization under an individual or alternative general permit, authorization under this permit will terminate on the due date for the NOI under the reissued permit unless otherwise specified in the reissued permit.

3.0 STORMWATER PROGRAM ENFORCEMENT

3.1 Establish Enforcement Procedures

Within twenty-four (24) months from the effective date of this permit, existing and new permittees shall adopt and implement local ordinance(s) or other regulatory mechanism(s) that provide adequate enforcement procedures that satisfy the requirements of this permit to control pollutant discharges into its MS4.

3.2 Enforcement Requirements

If not already developed, the permittee must establish and exercise enforcement procedures to comply with this permit. To be considered adequate, enforcement procedures must, at a minimum, address the following:

- a. Prohibit and eliminate illicit connections and discharges to the MS4;
- b. Control the discharge of spills, and prohibit dumping or disposal of materials other than stormwater into the MS4;
- c. Require compliance with conditions in the permittee's ordinances, permits, contracts, or orders;
- d. Require owners/operators of construction activities, new or redeveloped land, and industrial and commercial facilities to minimize the discharge of pollutants to the MS4 through the installation, implementation, and maintenance of stormwater control measures;
- e. To the extent allowed under State law, the permittee must have methods to enter private property for the purpose of inspecting at reasonable times any facilities, equipment, practices, or operations related to stormwater discharges to determine whether there is compliance with local stormwater control ordinances/standards;
- f. The permittee must promptly require violators cease and desist illicit discharges or discharges of stormwater in violation of any ordinance or standard and/or cleanup and abate such discharges;
- g. To the extent allowable under State and federal law, the permittee must impose civil or criminal sanctions (including referral to a city or district attorney) and escalate corrective response, consistent with its enforcement response;
- h. Identify departments within the permittee's jurisdiction that conduct stormwater-related activities and their roles and responsibilities under this permit. Include an up-to-date organizational chart specifying these departments and key personnel positions;
- i. Identification of the local administrative and legal procedures and ordinances available to mandate compliance with stormwater-related ordinances and therefore with the conditions of this permit; and
- j. A description of how stormwater related-ordinances are implemented and appealed.

3.3 Enforcement Response Plan(s)

The permittee shall develop an enforcement response plan (ERP) that specifies how it will exercise its legal authority to comply with this permit. The ERP shall include a prioritization schedule that establishes escalated enforcement for non-compliance of illicit discharges and construction activities. In developing the ERP, the permittee shall include the following factors in prioritizing escalated enforcement: severity of non-compliance, repeated non-compliance, proximity to a receiving water or storm sewer system, and other appropriate factors. The ERP must be developed and implemented within twenty-four (24) months of obtaining permit coverage.

4.0 STORM SEWER SYSTEM MAPPING

The permittee must prepare and maintain an up-to-date map of the municipal separate storm sewer system. At a minimum, the map system must be sufficient in scope and detail to identify and isolate illicit discharges. The permittee is not required to submit storm sewer system mapping infrastructure to ADEQ unless specifically requested, and shall make mapping information available to ADEQ or EPA to assess permit compliance.

4.1 Develop a map that includes, at a minimum, the following components:

- a. Storm sewer system (including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, man-made channels, or storm drains that are owned or operated by the permittee and convey stormwater to Waters of the U.S.),
- b. Location of all outfalls, and
- c. Name and location of all Waters of the U.S. that receive discharges from outfalls.

4.2 Existing permittees shall update map(s) within twelve (12) months from the effective date of this permit to include areas added as a result of the most recent Decennial Census (including annexed areas) and annually thereafter. Updates shall include mapping components identified in Section 4.1 above.

4.3 New permittees must include a mapping schedule in their NOI. The schedule must include how the permittee will conduct the mapping process, a timeline, measurable goals and estimated completion date(s). The permittee shall have its storm system mapped by the end of the fourth year of permit coverage.

4.4 The permittee must include a narrative description of the status of storm sewer system mapping, outfall mapping, and waters of the U.S. that receive discharges from the outfalls (including percent complete) in each annual report (see Part 8.3).

5.0 STORMWATER MANAGEMENT PROGRAM

The permittee shall develop, implement, and enforce a SWMP that is designed to reduce the discharge of pollutants from the MS4 to the maximum extent practicable, to protect water quality, and to satisfy the appropriate water quality requirements of the Clean Water Act. The program shall be documented and available for review by ADEQ, U.S. EPA, and interested persons.

Existing permittees shall modify or update their existing SWMP to meet the terms and conditions of this permit within six (6) months of the effective date of this permit.

New permittees shall develop a SWMP that meets the conditions of this permit within one (1) year of the effective date of this permit.

At a minimum, all permittees must annually assess, evaluate, and update the BMPs and SWMP and incorporate any revisions necessary to maintain permit compliance. The annual SWMP review must occur in connection with preparing the annual report (see Parts 8.1 and 8.3).

5.1 Contents of the Stormwater Management Program

At a minimum, the SWMP shall contain the following:

- a. Listing of all receiving waters, their classification under the applicable state water quality standards, any impairment(s) and associated pollutant(s) of concern, applicable TMDLs and WLAs, and number of outfalls from the MS4 that discharge to each waterbody;
- b. The process and schedule for creating and maintaining an up-to-date map that includes, at a minimum, the storm sewer system, outfalls, and receiving waters;
- c. Listing of all discharges that cause or contribute to the exceedance of an applicable surface water quality standard;
- d. Description of any other practices to achieve compliance with Part 6.1 and 6.2;
- e. Description of practices to achieve compliance with Parts 6.3 and 6.4 (MEP and MCM requirements). For each permit condition identify:
 1. The personnel, position or department responsible for the measure,
 2. The BMPs for each control measure or permit requirement, and
 3. The measurable goal(s) for each BMP. Each measurable goal shall include milestones and timeframes for its implementation and have a quantity and/or quality associated with its endpoint. Each goal shall have a measure of assessment.
- f. Description of practices to achieve compliance with applicable TMDLs or waste load allocation, including measurable goal(s) for each BMP and corresponding milestones and timeframes. Each goal must have an associated measure of assessment;
- g. Analytical monitoring program for impaired or not-attaining waters, and for Outstanding Arizona Waters to ensure compliance with permit limitations, wasteload allocation(s), and surface water quality standards.

The analytical monitoring program shall include a Sampling and Analyses Plan (SAP) that includes the following minimum components: sample collection, equipment and containers, decontamination, calibration procedures, sample frequency (based on illicit discharge characteristics), document site conditions, field notes, sample preservation, tracking (chain-of-custody), and handling;

- h. Protocol for annual program evaluation (Part 8.1). Update annually and maintain copies; and
- i. Identification of personnel (department, position, etc.) responsible for program implementation.

5.2 Stormwater Management Plan Availability

The permittee shall retain a copy of the current SWMP required by this permit at the office or facility identified on the NOI and shall be available upon request by ADEQ or U.S. EPA, or their authorized representatives.

A copy of the most up-to-date SWMP shall be made available to the public during normal business hours and posted on the permittee's website.

6.0 EFFLUENT LIMITATIONS

The permittee shall develop, implement and enforce a program to reduce the discharge of pollutants from the MS4 to the maximum extent practicable, to protect water quality, and to satisfy the appropriate water quality requirements of the Clean Water Act and the Arizona Surface Water Quality Standards.

6.1 Water Quality Based Effluent Limitations

Pursuant to Clean Water Act 402(p)(3)(B)(iii), this permit includes provisions to ensure that discharges from the permittee's small MS4 do not cause or contribute to an exceedance of surface water quality standards, in addition to requirements to reduce the discharge of pollutants to the maximum extent practicable.

6.2 Surface Water Quality Standards

The permittee shall implement the six (6) minimum control measures specified in Part 6.4 to the maximum extent practicable to protect water quality, and to satisfy water quality requirements of the Clean Water Act, including attainment of surface water quality standards.

If the permittee discovers, or is otherwise notified by ADEQ or U.S. EPA, that a discharge from the MS4 is causing or contributing to an exceedance of an applicable surface water quality standard, the permittee shall expand or better tailor its BMPs within the scope of the six (6) minimum control measures in Part 6.4 to achieve progress toward attainment of surface water quality standards.

To assure compliance with permit limitation, ADEQ may require the permittee to conduct analytical monitoring and will provide notice to the permittee in writing (see also Part 7).

6.3 Requirements to Reduce the Discharge of Pollutants

The permittee shall reduce the discharge of pollutants to the maximum extent practicable (MEP), to protect water quality, and to satisfy the appropriate requirements of the Clean Water Act by implementing the six (6) minimum control measures in part 6.4.

6.4 Minimum Control Measures

- a. Existing permittees shall continue to implement their existing SWMPs while making updates pursuant to this permit. This permit does not extend the compliance deadlines set forth in Permit AZG2002-002.
- b. Implementation of one (1) or more of the minimum control measures described in Parts 6.4.1 - 6.4.6 or other permit requirements may be shared with another entity (including another interconnected MS4) or the other entity may fully implement the measure or requirement, if the following requirements are satisfied:
 - The other entity implements the control measure as specified in the SWMP;
 - The particular control measure or component thereof undertaken by the other entity is at least as stringent as the corresponding permit requirement;
 - The other entity agrees to implement the control measure on the permittee's behalf. The annual report must specify that the permittee is relying on another entity to satisfy some of its permit obligations and specify what those obligations are;
 - The permittee remains responsible for compliance with all permit obligations if the other entity fails to implement the control measures (or component thereof). The permittee may enter into a legally-binding agreement with the other entity regarding the other entity's

performance of control measures, but the permittee remains ultimately responsible for permit compliance.

6.4.1 Public Education and Outreach

Objective: The permittee shall implement an education program that includes educational goals based on stormwater issues of significance within the MS4 area. The program shall include a focus on pollutants of concern for impaired and TMDL waters, and priority waters that receive a discharge from the MS4. The ultimate objective of a public education program is to increase knowledge and change behavior of the public so that pollutants in stormwater are reduced.

6.4.1.1 The permittee shall implement the public education program required by 40 CFR §122.34(b)(2) by distributing educational material to the MS4 community. The educational program shall define goals, express specific messages, define the targeted audience for each message, and identify responsible parties for program implementation. At a minimum, the program shall provide information concerning the impact of stormwater discharges on water bodies within the community, especially waters that are impaired, not-attaining, or identified as Outstanding Arizona Waters. The program shall identify steps and/or activities the public can take to reduce the pollutants in stormwater runoff and their impacts to the environment.

6.4.1.2 The program shall focus on messages for specific audiences as well as show progress toward the defined educational goals of the program. The permittee shall identify methods that it will use to evaluate the effectiveness of the educational messages and the overall education program. Any methods used to evaluate the effectiveness of the program shall be tied to the defined goals of the program and the overall objective of changes in behavior and knowledge.

6.4.1.3 The permittee shall modify any ineffective messages or distribution techniques.

6.4.1.4 The permittee shall document in each annual report: the messages for each audience; the method of distribution; the measures/methods used to assess the effectiveness of the messages, and the method/measures used to assess the overall effectiveness of the education program.

6.4.2 Public Involvement and Participation

Objective: The permittee shall provide opportunities to engage the public to participate in the review and implementation of the permittee's SWMP.

6.4.2.1 All public involvement activities shall comply with state and local public notice requirements. The SWMP and all annual reports shall be available to the public. The permittee is encouraged to satisfy this requirement by posting records online.

6.4.2.2 The permittee shall annually provide the public an opportunity to participate in the review and implementation of the SWMP.

6.4.2.3 The permittee shall report on the activities undertaken to provide public participation opportunities including compliance with Part 6.4.2.1. Public participation opportunities pursuant to Part 6.4.2.2 may include, but are not limited to, websites, hotlines, clean-up teams, monitoring teams, or an advisory committee.

6.4.3 Illicit Discharge Detection and Elimination (IDDE) Program

The permittee shall implement an IDDE program to systematically find and eliminate sources of non-stormwater to its municipal separate storm sewer system and to implement procedures to prevent illicit connections and discharges.

The IDDE program shall be recorded in a written document. The IDDE program shall include each of the elements described in Part 6.4.3.8 (a through c), unless the permittee provides a written explanation within the IDDE program as to why a particular element is not applicable to the permittee. For existing permittees, the written IDDE program shall be completed within six (6) months of the effective date of this permit. For new permittees, the written IDDE program shall be completed within one (1) year of the effective date of the permit. The permittee shall implement the IDDE program in accordance with the goals and milestones set forth in Parts 5.0 and 6.4.3.

6.4.3.1. Definitions and Prohibitions

The permittee shall prohibit illicit discharges (including sanitary sewer overflows) to and from its MS4 and require removal of such discharges consistent with Part 6.4.3.5 of this permit. An illicit discharge is any discharge to a municipal separate storm sewer that is not composed entirely of stormwater *except*:

- a. Discharges authorized under a separate NPDES permit that authorize a discharge to the MS4;
- b. Non-stormwater discharges allowed by Part 1.3.2.

6.4.1.5 Enforcement Procedures

The IDDE program must ensure the permittee has adequate enforcement procedures to accomplish the following tasks: prohibit illicit discharges; investigate suspected illicit discharges; eliminate illicit discharges, including discharges from properties not owned or operated by the MS4 that discharge into the MS4 system; and implement appropriate enforcement procedures and actions. Adequate enforcement procedures consists of a current effective ordinance, by-law, or other regulatory mechanism. For existing permittees, the ordinance, by-law, or other regulatory mechanism was a requirement of AZG2002-002 and is required to be effective under that permit. The written IDDE program shall include a reference or citation of the authority the permittee will use to implement all aspects of the IDDE program as specified in Part 3.0.

6.4.3.3 Statement of IDDE Program Responsibilities

The permittee shall establish a written statement that clearly identifies responsibilities with regard to eliminating illicit discharges. The statement shall identify the lead municipal agency or department responsible for implementing the IDDE Program as well as any other agencies or departments that may have responsibilities for aspects of the program. Where multiple departments and agencies have responsibilities to the IDDE program, specific areas of responsibility shall be defined and processes for coordination and data sharing shall be established and documented.

6.4.3.4 Illicit Discharge Prevention and Reporting

The permittee shall develop and implement process(es) and procedures designed to prevent, identify, report, and mitigate illicit discharges to and from the MS4 (this may be a part of the education program required by Part 6.4.1; reporting (hotlines), and training of public employees involved in the IDDE program).

6.4.3.5 Eliminating Illicit Discharges

Illicit discharges to the MS4 are prohibited and constitutes a violation of this permit when the permittee is not fully implementing applicable permit requirements and the SWMP.

Upon detection of an illicit discharge, the permittee shall eliminate it as expeditiously as possible. The permittee shall identify and notify all responsible parties for any such discharge and require immediate cessation in accordance with its legal authorities. Where elimination of an illicit discharge is not immediately possible, the permittee shall establish an expeditious schedule for its elimination and report the dates of identification and schedules for removal in the permittee's annual reports. The permittee shall immediately commence actions necessary for elimination. In the interim, the permittee shall take all reasonable and prudent measures to minimize the discharge of pollutants to its MS4.

To the extent known, the permittee shall include in the annual report the following information: the location of the illicit discharge and its source(s); a description of the discharge; estimated illicit discharge duration; the method of discovery; date of discovery; date of elimination; mitigation or enforcement action; responsible person (if known); and estimated volume.

6.4.3.6 Non-Stormwater Discharges

The non-stormwater discharges identified in Part 1.3.2 do not need to be addressed as an illicit discharge unless it is determined by the permittee that any of these sources is a significant contributor of pollutants. Non-stormwater discharges from the MS4 that cause or contribute to a violation of a surface water quality standard where the permittee fails to take action to eliminate the discharge of pollutants constitutes a permit violation.

6.4.3.7 Existing Permittees IDDE Programs

During the development of the new components of the IDDE program required by this permit, existing permittees must continue to implement their current IDDE program required by the AZG2002-002 to detect and eliminate illicit discharges to its MS4.

6.4.3.8 Visual Monitoring

The permittee shall develop, implement, and maintain a visual monitoring program that includes both dry weather and stormwater discharges to identify, monitor, and eliminate illicit discharges; and to ensure compliance with effluent limitations in this permit.

The monitoring programs shall include written procedures for conducting visual monitoring of outfalls from the MS4.

Monitoring procedures shall include, at a minimum, the following information/observations: outfall identification, personnel, time, date, weather conditions at time of inspection, estimated flowrate, apparent odor, color, clarity, debris, floatables, and other necessary information to characterize the screening.

In the event an illicit discharge is discovered as a result of dry or wet weather outfall monitoring, the permittee shall implement measures to eliminate the illicit discharge (part 6.4.3.5).

For each confirmed illicit discharge, the permittee shall include in the annual report the following information: the location of the discharge and its source(s); a description of the discharge; estimated illicit discharge duration; the method of discovery; date of discovery; date of elimination; mitigation or enforcement action; responsible person (if known); and estimated volume.

a) Visual Dry Weather Outfall Monitoring

Within six (6) months of obtaining authorization to discharge, the permittee shall develop and implement a visual, dry weather outfall monitoring program. Dry weather monitoring must be conducted at least 72 hours after a storm event that resulted in a discharge from the storm sewer system.

The permittee shall document and include findings of dry weather monitoring in the annual report.

b) Visual Stormwater Discharge Monitoring

The permittee shall identify a minimum of five (5) outfalls that are representative of its stormwater discharges to conduct visual stormwater discharge monitoring. If the permittee has less than five (5) outfalls, then the permittee shall monitor all outfalls as part of the stormwater discharge monitoring program. In the event a Small MS4 does not have five (5) outfalls, a minimum of five (5) screening points, or combination of outfalls and screening points, shall utilized. Screening points shall be at locations where stormwater leaves the Small MS4's permitted area including locations where stormwater may discharge to another MS4 or other conveyance. The outfalls / screening points selected for visual stormwater discharge monitoring shall be identified in the NOI.

Within six (6) months of obtaining authorization to discharge, the permittee shall develop and implement a stormwater discharge visual monitoring program. The stormwater discharge monitoring program must be conducted in response to a storm event that results in a discharge from the storm sewer system and, to the extent practicable, should include the first flush.

The permittee shall conduct a minimum of two (2) stormwater discharge monitoring events during each wet season of the representative outfall(s) and shall document and include findings in the annual report.

Summer Wet Season: June 1 through October 31
Winter Wet Season: November 1 through May 31

In the event a permittee cannot access any outfall(s) during a wet weather discharge, the permittee shall conduct wet weather screening as soon as practicable after the storm or discharge event.

Visual Stormwater Discharge Monitoring Alternative – the permittee may elect to submit in its NOI (see part 2.1.1) alternative practices to visual stormwater discharge monitoring. In doing so, the permittee shall include a written description as to how and why the proposed alternative is as effective, or more effective, than visual stormwater discharge monitoring.

c) Follow-up Screening

The permittee shall establish a follow-up screening schedule for identified or suspected illicit discharges to ensure they do not recur.

6.4.3.9 Indicators of IDDE Program Progress

The permittee shall define or describe indicators for tracking program success. At a minimum, indicators shall include measures that demonstrate efforts to locate illicit discharges identified and removed. Such measures may include response time to inspection, public awareness, time from discovery to elimination, and other appropriate factors.

The permittee shall evaluate and report the overall effectiveness of the program based on the tracking measures outlined in Part 6.4.3.8 in the annual program evaluation and in the annual report.

6.4.3.10 Staff Training

The permittee shall, at a minimum, provide annual training to employees involved in the IDDE program (e.g., street workers, inspectors, solid waste personnel, etc.). The training must include the IDDE program components and how to recognize illicit discharges. The permittee shall report on the frequency and type of employee training in the annual report.

6.4.3.11 Unpermitted (Illicit) Discharges to the MS4

The permittee shall develop, implement, and enforce a program to actively identify facilities and activities (e.g., industrial facilities, construction activities, etc.) that discharge to the MS4 without an AZPDES/NPDES permit.

The permittee shall include the number of facilities contacted each year in the annual report and shall include the facility name, type of activity conducted at the facility (including SIC code, to the extent known), and whether or not the facility has AZPDES permit coverage, if known or available.

A description of the permittee's illicit discharge program shall be included in the SWMP.

6.4.4 Construction Activity Stormwater Runoff Control

The permittee must develop, implement, maintain, and enforce a construction activity stormwater runoff control program to minimize or eliminate pollutant discharges to the MS4s from construction activities that will disturb one (1) or more acres of land, including sites less than one (1) acre that are part of a common plan of development or sale.

6.4.4.1 Construction Activity Stormwater Runoff Implementation

Existing and new permittees must assess existing legal authority, codes, and other relevant mechanisms and adopt, and implement measures to ensure compliance with construction activity runoff timeframe(s) specified in Part 3.1.

6.4.4.2 Construction Activity Stormwater Runoff Program Components

The construction activity stormwater runoff control program shall include, at a minimum, the elements in Paragraphs a. through h. of this part:

- a. An ordinance or other regulatory mechanism that requires the use of sediment and erosion control practices.
- b. An inventory of all construction activities that disturb or will disturb one (1) or more acres within the permitted area, including those that are less than one (1) acre but are part of a larger common plan of development or sale if the larger common plan will ultimately disturb greater than one (1) acre.
- c. Written procedures for site inspections and enforcement of sediment and erosion control measures. If not already existing, these procedures shall be completed within one (1) year from the date of submitting an NOI to ADEQ. The procedures shall clearly define who is responsible for site inspections as well as who has authority to implement enforcement procedures. The program must allow the permittee, to the extent authorized by law, to impose sanctions ensuring compliance with the local program. These procedures and regulatory authorities shall be documented in the SWMP.
- d. In developing construction activity inspection frequency, the permittee shall consider, at a minimum, the following:
 1. Phase of construction;
 2. Proximity to an impaired, not-attaining water or Outstanding Arizona Water;
 3. Size of the construction activity (acreage disturbed); and
 4. History of non-compliance (site or operator).
- e. Based on construction activity inspection findings, the permittee must take all necessary follow-up actions (i.e., re-inspection, enforcement) to ensure compliance in accordance with the permittee's enforcement response plan required under Part 3.3.
- f. Requirements for construction operators to implement sediment and erosion control BMPs appropriate for the conditions at the construction activity. Examples of appropriate sediment and erosion control measures for construction activities include local requirements to:
 1. Minimize the amount of disturbed area and protect natural resources;
 2. Stabilize sites when projects are complete or operations have temporarily ceased;
 3. Protect slopes on the site of the construction activity;
 4. Protect storm drain inlets and armor all newly-constructed outlets;
 5. Use perimeter controls at the site;

6. Stabilize entrance(s) and exit(s) at the location of the construction activity to prevent off-site tracking; and
 7. Inspect stormwater controls at consistent intervals.
- g. Requirements to control wastes, including but not limited to: discarded building materials; paints; fertilizers; concrete wash out; chemicals; litter; and sanitary wastes.
- h. Written procedures for site plan review. If not already existing, the procedures for site plan review which incorporate consideration of potential water quality impacts shall be completed within one (1) year from date the NOI is submitted to ADEQ. Site plan review shall include: a review by the permittee of the site design; the planned operations at the location of the construction activity; planned stormwater controls during the construction phase; and the planned controls to be used to manage runoff created after development (see 6.4.5).

6.4.4.3 Personnel Qualifications

The permittee shall ensure staff who conduct activities related to implementing the construction stormwater program (permitting, plan review, construction activity inspections, enforcement, etc.) have the knowledge, skills, and abilities to proficiently carryout their assigned duties.

6.4.4.4 Construction Activity Operator Education and Public Involvement

The permittee must develop and implement a program to provide education to construction activity operators on erosion and sediment control best management practices requirements and establish procedures for receipt of and consideration of information submitted by the public (see also Part 6.4.2).

6.4.4.5 Tracking and Recordkeeping

The permittee must track the number of inspections and re-inspections of construction activities to verify the sites are inspected at the frequency established under Part 6.4.4.2 (d) and (e) and include this information in the annual report.

6.4.5 Post-Construction Stormwater Management in New Development and Redevelopment

Permittees shall develop, implement, and enforce a program to address post-construction stormwater runoff from new development and redevelopment projects that disturb one (1) or more acres of land (or less than one (1) acre if part of a common plan of development) that discharge into the permittee's MS4.

The post-construction stormwater management program must include a combination of structural and/or non-structural best management practices, as well as the components identified in this section.

Permittees shall maintain all records associated, including enforcement actions, in accordance with Part 8.2

6.4.5.1 Regulatory Mechanism for Post-Construction Stormwater Controls

The new development/redevelopment program shall include an ordinance or regulatory mechanism to address runoff from new development and redevelopment projects.

The regulatory mechanism must specify that owners or operators of new development and redevelopment sites discharging to the MS4, design, install, and maintain post-construction stormwater controls that reduce or eliminate the discharge of pollutants from the site after construction activities are completed.

Permittees must evaluate existing ordinance or other regulatory mechanism(s) to address post-construction stormwater runoff from new development and redevelopment projects. If it is determined existing ordinances or other regulatory mechanism(s) must be modified, the permittee must develop, adopt and implement a revised ordinance or other mechanism within the timeframes(s) specified in Part 3.1.

The permittee's new development/redevelopment program shall have procedures to ensure any stormwater controls or management practices for new development and redevelopment will prevent or minimize impacts to water quality from stormwater runoff.

6.4.5.2 Site Plan Review

The permittee shall design, implement, and maintain a site plan review process to evaluate and approve post-construction stormwater controls.

6.4.5.3 Post-Construction Stormwater Control Inventory

Within the first year of the effective date of this permit, the permittee shall implement and maintain an inventory system of all post-construction structural stormwater control measures installed and implemented at new development and redeveloped sites, including both public and private sector sites located within the permit area that discharge into the MS4. The inventory must be searchable by property location (either on paper or electronic) or other relevant criteria.

6.4.5.4 Operation and Maintenance of Post-Construction BMPs

The permittee shall establish processes, procedures, and other such provisions necessary to ensure the long-term operation and maintenance of post-construction stormwater BMPs.

6.4.6 Pollution Prevention and Good Housekeeping for Municipal Operations

The permittee must develop, implement, and maintain an operations and maintenance program that includes a training component with the ultimate goal of preventing or reducing pollutant runoff and protecting water quality from municipal facilities and activities. The provisions in this part apply to facilities and activities that are not subject to separate AZPDES permitting.

Existing permittees must continue to implement established operation and maintenance programs while updating those programs, as necessary, to comply with the requirements of this permit. Program updates must be developed and implemented within six (6) months of obtaining permit coverage.

New permittees must develop and implement the following program requirements within one (1) year of obtaining permit coverage.

At a minimum, the program must include:

- a. Develop an inventory of municipal operations that discharge;
- b. Prioritize municipal facilities based on their risk to discharge pollutants and develop and implement a site inspection schedule (example, more frequent inspections for higher risk facilities, less frequent inspections for lower risk facilities);
- c. Develop and implement an inspection schedule for municipally-owned and operated facilities and activities to ensure stormwater controls are effective and being properly maintained;
- d. Based on inspection findings, update municipally-owned or operated facilities priority status and modify inspection frequency, as appropriate;
- e. Develop and implement stormwater controls at municipally-owned or operated facilities and discharge activities to reduce or eliminate the discharge of pollutants;
- f. Develop and implement an employee training program to incorporate pollution prevention and good housekeeping techniques into everyday operations and maintenance activities; and
- g. Develop maintenance activities, maintenance schedules, and long-term inspections procedures for structural and non-structural stormwater controls to reduce floatables, trash, and other pollutants discharged from the MS4.

7.0 ANALYTICAL MONITORING

In addition to analytical monitoring of municipal stormwater discharges to impaired, not-attaining waters and Outstanding Arizona Waters (OAWs), ADEQ may notify the permittee in writing of additional monitoring requirements to ensure protection of receiving water quality or to ensure permit compliance. Additional monitoring will be required if there is evidence that a pollutant is being discharged by the permittee that may be causing or contributing to exceedances of a water quality standard. Any such notice will provide an explanation of the reasons for the monitoring, locations, and parameters to be monitored, frequency and period of monitoring, sample types, and reporting requirements.

Analytical monitoring shall be conducted in accordance with approved test methods in accordance with A.A.C. R18-9-A905(B).

7.1 General Monitoring Requirements

The monitoring provisions of this Part apply to permittees that must conduct analytical monitoring. The permittee shall collect and analyze stormwater samples and document monitoring activities consistent with the procedures described in Part 6.4.3.8 and Part 9.

- a. The purpose of the monitoring section of this permit is to:
 1. Assess the impacts to impaired, not-attaining, or Outstanding Arizona Waters (OAWs) resulting from stormwater discharges from Small MS4 outfalls;
 2. Characterize stormwater discharges;
 3. Identify sources of elevated pollutant loads and specific pollutants; and
 4. Assess the overall health and evaluate long-term trends in water quality of impaired, not attaining, or OAWs.
- b. The permittee shall identify in the SWMP and annual reports discharges that:
 1. Discharge to impaired waters listed on the Arizona's 303(d) list (Category 5) and those listed as not attaining (Category 4) on Arizona's Water Quality Assessment report;
 2. Discharges to OAWs listed in A.A.C. R18-11-112; and
 3. Additional monitoring required by ADEQ.
- c. Annual reporting requirements for outfall monitoring are included in Part 8.3.
- d. Analytical Monitoring Schedule:
 1. Existing Permittees – Impaired, not-attaining, and OAW monitoring must be fully implemented no later June 1, 2017.
 2. New Permittees – Impaired, not-attaining, and OAW monitoring must be fully implemented no later than November 1, 2017.
 3. Alternative schedule specified by ADEQ.

The required monitoring events may be distributed during seasons when precipitation occurs, or when snowmelt results in a measurable discharge from the site. Wet seasons apply statewide and are defined as follows:

Summer wet season: June 1 – October 31
Winter wet season: November 1 – May 31

The term 'wet season' includes areas of the state where freezing conditions exist that prevent runoff from occurring for extended periods. In areas where freezing conditions exist, the required monitoring and sample collection may be distributed during seasons when precipitation runoff, either as melting snow or rain mixed with melting snow, occurs.

7.2 Discharges to Impaired and Not-Attaining Waters

If an outfall discharges to an impaired or not-attaining water, the permittee shall develop and implement a monitoring program for all pollutants for which the waterbody is listed.

If the waterbody is listed for suspended solids, turbidity or sediment/sedimentation and the discharge occurs for more than 48 hours after the storm event, the permittee shall monitor for suspended sediment concentration (SSC). If the pollutant causing the impairment is expressed in the form of an indicator or surrogate pollutant, the permittee shall monitor for that indicator or surrogate pollutant.

The permittee shall comply with all applicable waste load allocations established in approved TMDLs. In the event monitoring requirements (frequency, analytical parameters, etc.) are established in an approved TMDL, the permittee shall comply with the specifications in the approved TMDL.

7.3 Discharges to Outstanding Arizona Waters

Analytical monitoring of outfalls that discharge to an OAW must be conducted twice per wet season for the entire permit term to assure discharges from the MS4 do not degrade existing water quality, or cause or contribute to an exceedance of an Arizona surface water quality standard. The permittee shall establish a list of analytical parameters to be included in the monitoring program and shall identify the analytical parameter and justification/rationale for selecting the key parameters in the SWMP.

7.4 Tracking

Permittees with outfalls that discharge to impaired, not-attaining, or OAWs shall develop a system to track the information required in the permit and the information required to be reported in the annual report (see Part 8.3). The tracking system shall be developed and implemented within twelve (12) months of the effective date of this permit.

The permittee must implement, and revise as necessary, a comprehensive monitoring and assessment program. A description of this program must be included in the SWMP. The monitoring and assessment program must be designed to meet the following objectives:

- a. Assess compliance with this permit;
- b. Measure the effectiveness of the permittee's stormwater management program;
- c. Assess the chemical, physical, and biological impacts to receiving waters resulting from stormwater discharges;
- d. Characterize stormwater discharges;
- e. Identify sources of specific pollutants;
- f. Detect and eliminate illicit discharges and illegal connections to the MS4; and
- g. Assess the overall health and evaluate long-term trends in receiving water quality.

8.0 PROGRAM ASSESSMENT, RECORDKEEPING, AND REPORTING

8.1 Program Evaluation

8.1.1 The permittee shall annually self-evaluate its compliance with the terms and conditions of this permit. The permittee shall maintain the annual evaluation documentation as part of the SWMP. The permittee shall include this information in the annual report.

8.1.2 The permittee shall evaluate the appropriateness of the selected BMPs in achieving the objectives of each control measure and the defined measurable goals. The permittee may change BMPs in accordance with the following provisions:

- a. Adding (but not subtracting or replacing) components or controls may be made at any time;
- b. Changes replacing an ineffective or infeasible BMP specifically identified in the SWMP with an alternative BMP may be made if the proposed changes meet the criteria of this Part.

The permittee shall include this information in the annual report.

8.1.3 BMP modification documentation shall include the following information and all documentation shall be kept in the SWMP:

- a. An analysis of why the BMP is ineffective or infeasible;
- b. Expectations on the effectiveness of the replacement BMP; and
- c. An analysis of why the replacement BMP is expected to achieve the defined goals of the BMP to be replaced.

The permittee shall indicate BMP modifications along with a brief explanation of the modification in the annual report.

8.1.4 ADEQ may require the permittee to add, modify, repair, replace or change BMPs or other measures described in the annual reports to address the following:

- a. Impacts to receiving water quality caused or contributed to by discharges from the MS4;
- b. To satisfy conditions of this permit;
- c. To include more stringent requirements necessary to comply with new state or federal legal requirements; or
- d. Attainment of surface water quality standards.

Any changes requested by ADEQ will be in writing and will require the permittee to develop a schedule to implement the changes and will offer the permittee the opportunity to propose alternative program changes to meet the objective of the requested modification.

8.2 Recordkeeping

- 8.2.1** The permittee shall keep all records required by this permit for a period of at least three (3) years. Records include information used in the development of any written program required by this permit, any monitoring results, copies of reports, records of screening, follow-up and elimination of illicit discharges; maintenance records; inspection records; enforcement actions; and data used in the development of the notice of intent, SWMP, plans, and annual reports. This list provides examples of records that should be maintained, but is not all inclusive.
- 8.2.2** Records other than those required to be included in the discharge monitoring report (Part 8.3) and annual report (Part 8.4), shall be submitted upon request by ADEQ, or U.S. EPA.
- 8.2.3** The permittee shall make the records relating to this permit, including the written stormwater management program, available to the public. The public may view the records during normal business hours. The permittee may charge a reasonable fee for copying requests. The permittee is encouraged to satisfy this requirement by posting records online.

8.3 Discharge Monitoring Report

The permittee must submit all monitoring results (analytical and visual monitoring results) on a discharge monitoring report (DMR) in a manner prescribed by ADEQ (electronic, paper format, etc.). In the event electronic reporting becomes available, permittees must submit analytical and visual monitoring results using an online program or portal application prescribed by ADEQ (or U.S. EPA). DMRs must be submitted no later than September 30 of each year and shall include analytical and visual monitoring results for the period July 1 through June 30 of the preceding calendar year.

8.4 Annual Report

The permittee shall submit an annual report each year of the permit term to ADEQ. The reporting period is from July 1 through June 30 each year. The annual report is due to ADEQ on or before September 30 each year for the reporting period. The annual reports shall contain the following information:

- a. The status of compliance with the permit terms and conditions;
- b. Updates regarding mapping requirements (see Part 4.1), including percent complete;
- c. An evaluation of the appropriateness and efficacy of the selected BMPs;
- d. An assessment of the progress towards achieving the measurable goals and objectives of each control measure in Part 6.4 including description of the targeted messages for each audience; method of distribution and dates of distribution; methods used to evaluate the program; and any changes to the program;
- e. Description of the activities used to promote public participation;
- f. Description of the activities related to implementation of the IDDE program including: status and results of the illicit discharge potential protocols described in Parts 6.4.3.4 (program responsibilities and systematic procedure); number and identifier of assets inspected or evaluated; number and identifier of outfalls screened; number of illicit discharges located; number of illicit discharges removed; and employee training;

- g. All outfall screening and monitoring data collected by or on behalf of the permittee during the reporting period and cumulative for the permit term, including but not limited to all data collected pursuant to Parts 6.4.3 and 7.0;
- h. The status of any plans or activities required by Part 6.4.3 and/or Part 7.1 (impaired and not-attaining waters), including:
 - 1. Identification of all discharges determined to be causing or contributing to an exceedance of water quality standards and description of response;
 - 2. For discharges subject to TMDLs, identification of specific BMPs used to address the pollutant identified as the cause of the impairment and assessment of the BMPs effectiveness at controlling the pollutant;
- i. Status of the construction runoff management including number of project plans reviewed, number of inspections, and number of enforcement actions;
- j. Status of stormwater management for new development and redevelopment including status of ordinance development and review;
- k. Status of the operation and maintenance programs required by Part 6.4.6.1;
- l. Description of any changes in identified BMPs or measurable goals;
- m. Any additional reporting requirements specified in Parts 1-7; and
- n. Description of activities to be conducted during the next reporting cycle.

Reports must be submitted to ADEQ at the following address:

Arizona Department of Environmental Quality
1110 West Washington Street, Mail Code 5451A-1
Phoenix, Arizona 85007

In the event electronic reporting becomes available, permittees must submit their annual reports using an online program or portal application prescribed by ADEQ (or U.S. EPA).

9.0 STANDARD PERMIT CONDITIONS

Standard permit conditions in Part 9 are consistent with the general permit provisions required under 40 CFR 122.41 and A.A.C. R-18-9-A905(A)(3).

1. **Duty to Comply:** [A.A.C. R18-9-A905(A)(3)(a), which incorporates 40 CFR 122.41(a)(1) and A.R.S. §§ 49-261, 262, 263.01, and 263.02.]
 - a. The operator shall comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the Clean Water Act; A.R.S. Title 49, Chapter 2, Article 3.1; and A.A.C. Title 18, Chapter 9, Article 9, and is grounds for enforcement action, permit termination, revocation and reissuance, or modification, or denial of a permit renewal application.
 - b. The issuance of this permit does not waive any federal, state, county, or local regulations or permit requirements with which a person discharging under this permit is required to comply.
 - c. The operator shall comply with any effluent standards or prohibitions established under section 307(a) of the Clean Water Act for toxic pollutants within the time provided in the regulations that establish these standards or prohibitions, even if this permit has not yet been modified to incorporate the requirement.

2. **Duty to Reapply / Continuation of the Expired General Permit:** [A.A.C. R18-9-A905, which incorporates 40 CFR 122.41(b) and A.A.C. R18-9-C903]
 - a. Upon reissuance of the general permit, the permittee shall file an NOI, within the timeframe specified in the new general permit, and shall obtain new written authorization to discharge from the Director.
 - b. If the Director does not reissue the general permit before the expiration date, the current general permit will be administratively continued and remain in force and effect until the general permit is reissued.
 - c. Any operator granted authorization to discharge under the general permit before the expiration date automatically remains covered by the continued general permit until the earlier of:
 - i. Reissuance or replacement of the general permit, at which time the operator shall comply with the NOI conditions of the new general permit to maintain authorization to discharge; or
 - ii. The date the operator has submitted a Notice of Termination; or
 - iii. The date the Director has issued an individual permit for the discharge; or
 - iv. The date the Director has issued a formal permit decision not to reissue the general permit, at which time the operator shall seek coverage under an alternative general permit or an individual permit, or cease discharge.

3. **Need To Halt or Reduce Activity Not a Defense:** [A.A.C. R18-9-A905(A)(3)(a), which incorporates 40 CFR 122.41(c)]

It shall not be a defense for an operator in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

4. **Duty to Mitigate:** [A.A.C. R18-9-A905(A)(3)(a), which incorporates 40 CFR 122.41(d)]

The operator shall take all reasonable steps to minimize or prevent any discharge in violation of this permit that has a reasonable likelihood of adversely affecting human health or the environment per A.R.S. § 49-255.01(E)(1)(d).

5. Proper Operation and Maintenance: [A.A.C. R18-9-A905(A)(3)(a), which incorporates 40 CFR 122.41(e)]

The operator shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the operator to achieve compliance with the conditions of this permit. Proper operation and maintenance also includes adequate laboratory controls and appropriate quality assurance procedures.

6. Permit Actions: [A.A.C. R18-9-A905(A)(3)(a), which incorporates 40 CFR 122.41(f)]

This permit may be modified, revoked and reissued, or terminated for cause. Filing a request by the operator for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition.

7. Property Rights: [A.A.C. R18-9-A905(A)(3)(a), which incorporates 40 CFR 122.41(g)]

This permit does not convey any property rights of any sort, or any exclusive privileges, nor does it authorize any injury to private property or invasion of personal rights, nor any infringement of federal, state, Indian tribe, or local laws or regulations.

8. Duty to Provide Information: [A.A.C. R18-9-A905(A)(3)(a), which incorporates 40 CFR 122.41(h)]

The operator shall furnish to ADEQ, within a reasonable time, any information which the Director may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit or to determine compliance with this permit. The operator shall also furnish to ADEQ upon request, copies of records required to be kept by this permit.

9. Signatory Requirements: [A.A.C. R18-9-A905(A)(3)(a), which incorporates 40 CFR 122.41(k) and (l); A.A.C. R18-9-A905(A)(1)(c), which incorporates 40 CFR 122.22]

All Notices of Intent (NOI) and Notices of Termination (NOT) must be signed as follows:

- a. NOIs:
 - i. For a corporation: By a responsible corporate officer. For the purpose of this section, a responsible corporate officer means: a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation; or the manager of one or more manufacturing, production, or operating facilities, provided, the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures;
 - ii. For a partnership or sole proprietorship: By a general partner or the proprietor, respectively; or
 - iii. For a municipality, state, federal, or other public agency: By either a principal executive officer or ranking elected official. For purposes of this section, a principal executive officer of a federal (or state) agency includes: (1) The chief executive officer (or director) of the agency, or (2) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency.

- b. All NOTs, reports, plans, inspection reports, monitoring reports, and other information required by this permit must be signed by a person described in Part 9.9(a), above or by a duly authorized representative of that person. A person is a duly authorized representative only if:
 - i. The authorization is made in writing by a person described in Subsection 9(a) above;
 - ii. The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity such as the position of manager, operator, superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters for the company. (A duly authorized representative may be either a named individual or any individual occupying a named position); and
 - iii. The signed and dated written authorization is included in the SWMP. A copy must be submitted to ADEQ, upon request.
- c. Certification. Any person signing documents under the terms of this permit shall make the following certification:

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

10. Inspection and Entry: [A.A.C. R18-9-A905(A)(3)(a), which incorporates 40 CFR 122.41(i)]

The operator shall allow the Director or an authorized representative upon the presentation of credentials and such other documents as may be required by law to:

- a. Enter upon the operator's premises where a regulated facility or activity is located or conducted or where records must be kept under the conditions of this permit;
- b. Have access to and copy at reasonable times, any records that must be kept under the conditions of this general permit;
- c. Inspect at reasonable times any facility or equipment (including monitoring and control equipment), practices or operations regulated or required under this permit;
- d. Sample or monitor at reasonable times any substances or parameters at any location, for the purposes of assuring permit compliance or as otherwise authorized by A.R.S. Title 49, Chapter 2, Article 3.1, and 18 A.A.C. 9, Articles 9.

11. Monitoring and Records: [A.A.C. R18-9-A905(A)(3)(a), which incorporates 40 CFR 122.41(j)]

- a. Representative Samples/Measurements: Samples and measurements taken for the purpose of monitoring must be representative of the volume and nature of the monitored activity.
- b. Retention of Records: The operator shall retain records of all monitoring information, including all calibration and maintenance records, copies of all reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least three (3) years from the date permit coverage ends. Operators shall submit any such records to the Director upon request. The operator shall retain the SWPPP developed in accordance with Part 6 of this permit, for at least three (3) years after the last modification or amendment is made to the plan. The Director may extend this retention period upon request by notifying the operator in writing at any time prior to the end of the standard three year retention period.

- c. Records Contents: Records of monitoring information must include:
 - i. The date, exact location, and time of sampling or measurements;
 - ii. The initials or name(s) of the individual(s) who performed the sampling or measurements;
 - iii. The date(s) analyses were performed;
 - iv. The time(s) analyses were initiated;
 - v. The initials or name(s) of the individual(s) who performed the analyses;
 - vi. References and written procedures, when available, for the analytical techniques or methods used;
 - vii. The analytical techniques or methods used; and
 - viii. The results of such analyses.
- d. Any person who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained in this permit is subject to the enforcement actions established under A.R.S. Title 49, Chapter 2, Article 4, which includes the possibility of fines and/or imprisonment.

12. Reporting Requirements: [A.A.C. R18-9-A905(A)(3)(a), which incorporates 40 CFR 122.41(l)]

- a. Planned changes: The operator shall give notice to the Director as soon as possible of any planned physical alterations or additions to the permitted facility. Notice is required only when:
 - i. The alteration or addition to a permitted facility may meet one of the criteria for determining whether a facility is a new source in 40 CFR 122.29(b) (incorporated by reference at A.A.C. R18-9-A905(A)(1)(e)); or
 - ii. The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants which are subject neither to effluent limitations in the permit, nor to notification requirements under 40 CFR 122.42(a)(1) (incorporated by reference at A.A.C. R18-9-A905(A)(3)(b)).
- b. Monitoring reports: Monitoring results must be reported at the intervals specified elsewhere in this permit.
 - i. Monitoring results must be reported on a Discharge Monitoring Report (DMR) or forms (paper or electronic) provided or specified by ADEQ.
 - ii. If the operator monitors any pollutant more frequently than required by the permit using test procedures approved under 40 CFR Part 136 unless otherwise specified in 40 CFR Part 503, or as specified in the permit, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the DMR.
 - iii. Calculations for all limitations which require averaging of measurements must use an arithmetic mean and non-detected results must be incorporated in calculations as the limit of quantitation for the analysis.
- c. Anticipated noncompliance: The operator shall give advance notice to the Director of any planned changes in the permitted facility or activity that may result in noncompliance with permit requirements.
- d. Twenty-four hour reporting:
 - i. The operator shall report to ADEQ any noncompliance with this permit which may endanger human health or the environment. The operator shall orally notify the office listed below within 24 hours:

Arizona Department of Environmental Quality – Water Quality Division
1110 W. Washington Street
Phoenix, AZ 85007
Office: (602) 771 - 4508

- ii. A written submission shall also be provided to the office identified above within five (5) days of the time the operator becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance.
- iii. The following shall be included as information which must be reported within 24 hours under this paragraph.
 - 1) Any upset which exceeds any effluent limitation in the permit.
 - 2) Violation of a maximum daily discharge limitation for any of the pollutants listed by the Director in the permit to be reported within 24 hours. (See 40 CFR 122.44(g) which is incorporated by reference at A.A.C. R18-9-A905(A)(3)(d)).
- iv. ADEQ may waive the written report on a case-by-case basis for reports under this subsection if the oral report has been received within 24 hours.
- e. Other noncompliance: The operator shall report all instances of noncompliance not otherwise required to be reported under this subsection, at the time monitoring reports are submitted. The reports shall contain the information listed in subsection 12(d).
- f. Other information: When the operator becomes aware that it failed to submit any relevant facts or submitted incorrect information in the Notice of Intent or in any other report to the Department, the operator shall promptly submit the facts or information to ADEQ at the address listed in Part 8.2.

13. Reopener Clause: [A.A.C. R18-9-A905(A)(3)(d), which incorporates 40 CFR 122.44(c)]

The Department may elect to modify the permit prior to its expiration (rather than waiting for the new permit cycle) to comply with any new statutory or regulatory requirements, such as for effluent limitation guidelines, which may be promulgated in the course of the current permit cycle.

14. Other Environmental Laws:

No condition of this general permit releases the operator from any responsibility or requirements under other environmental statutes or regulations. For example, this permit does not authorize the "taking" of endangered or threatened species as prohibited by Section 9 of the Endangered Species Act, 16 U.S.C. 1538. Information regarding the location of endangered and threatened species and guidance on what activities constitute a "taking" are available from the U.S. Fish and Wildlife Service. The operator shall also comply with applicable State and Federal laws, including Spill Prevention Control and Countermeasures (SPCC).

15. State or Tribal Law: [Pursuant to A.A.C. R18-9-A904(C)]

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the operator from any responsibilities, liabilities, or penalties established pursuant to any applicable State or Tribal law or regulation under authority preserved by Section 510 of the Clean Water Act.

16. Severability:

The provisions of this general permit are severable, and if any provision of this general permit, or the application of any provision of this general permit to any circumstance, is held invalid, the application of the provision to other circumstances, and the remainder of this general permit shall not be affected.

17. Requiring Coverage under an Individual Permit or an Alternative General Permit: [Pursuant to A.A.C. R18-9-C902 and R18-9-A909]

- a. The Director may require a person authorized by this permit to apply for and/or obtain either an individual AZPDES permit or an alternative AZPDES general permit. Any interested person may petition the Department to take action under this section. The Department may require an operator authorized to discharge under this permit to apply for an individual permit in any of the following cases:
 - i. A change occurs in the availability of demonstrated technology or practices for the control or abatement of pollutants applicable to the point source;
 - ii. Effluent limitation guidelines are promulgated for point sources covered by the general permit;
 - iii. An Arizona Water Quality Management Plan containing requirements applicable to the point sources is approved;
 - iv. Circumstances change after the time of the request to be covered so that the discharger is no longer appropriately controlled under the general permit, or either a temporary or permanent reduction or elimination of the authorized discharge is necessary;
 - v. If the Director determines that the discharge is a significant contributor of pollutants. When making this determination, the Director shall consider:
 - 1) The location of the discharge with respect to waters of the United States,
 - 2) The size of the discharge,
 - 3) The quantity and nature of the pollutants discharged to waters of the U.S., and
 - 4) Any other relevant factor.
- b. If an individual permit is required, the Director shall notify the discharger in writing of the decision. The notice shall include:
 - i. A brief statement of the reasons for the decision;
 - ii. An application form;
 - iii. A statement setting a deadline to file the application;
 - iv. A statement that on the effective date of issuance or denial of the individual permit, coverage under the general permit will automatically terminate;
 - v. The applicant's right to appeal the individual permit requirement with the Water Quality Appeals Board under A.R.S. § 49-323, the number of days the applicant has to file a protest challenging the individual permit requirement, and the name and telephone number of the Department contact person who can answer questions regarding the appeals process; and
 - vi. The applicant's right to request an informal settlement conference under A.R.S. 41-1092.03(A) and 41-1092.06.
- c. The discharger shall apply for an individual permit within 90 days of receipt of the notice, unless the Director grants a later date. In no case shall the deadline be more than 180 days after the date of the notice.
- d. If the discharger fails to submit the individual permit application within the time period established in Part 9.17(c) the applicability of the general permit to the discharger is automatically terminated at the end of the day specified by the Director for application submittal.
- e. Coverage under the general permit shall continue until an individual permit is issued or denied unless the general permit coverage is terminated under Part 9.17(d).

18. Request for an Individual Permit: [Pursuant to A.A.C. R18-9-C902]

- a. An operator may request an exclusion from coverage of a general permit by applying for an individual permit.
 - i. The operator shall submit an individual permit application under R18-9-B901(B) and include the reasons supporting the request no later than 90 days after publication of the general permit.
 - ii. The Director shall grant the request if the reasons cited by the operator are adequate to support the request.
- b. If an individual permit is issued to a person otherwise subject to a general permit, the applicability of the general permit to the discharge is automatically terminated on the effective date of the individual permit.

19. Change of Operator: [A.A.C. R18-9-C904]

If a change of ownership or operator occurs for a facility operating under a general permit:

- a. Permitted owner or operator: The operator shall provide the Department with a Notice of Termination by certified mail within 30 days after the new owner or operator assumes responsibility for the facility.
 - i. The Notice of Termination shall include all requirements for termination specified in the general permit for which the Notice of Termination is submitted.
 - ii. An operator shall comply with the permit conditions specified in the general permit for which the Notice of Termination is submitted until the Notice of Termination is received by the Department.
- b. New owner or operator:
 - i. The new owner or operator shall complete and file a Notice of Intent with the Department within the time period specified in the general permit before taking over operational control of, or initiation of activities at, the facility.
 - ii. If the previous operator was required to implement a stormwater pollution prevention plan, the new owner shall develop a new stormwater pollution prevention plan, or may modify, certify, and implement the old stormwater pollution prevention plan if the old stormwater pollution prevention plan complies with the requirements of the current general permit.
 - iii. The operator shall provide the Department with a Notice of Termination if a permitted facility ceases operation, ceases to discharge, or changes operator status. In the case of a construction activity, the operator shall submit a Notice of Termination to the Department when:
 - 1) The facility ceases construction operations and the discharge is no longer associated with construction or construction-related activities,
 - 2) The construction is complete and final site stabilization is achieved, or
 - 3) The operator's status changes.

20. Bypass: [A.A.C. R18-9-A905(A)(3)(a), which incorporates 40 CFR 122.41(m)]

- a. Definitions:
 - i. Bypass means the intentional diversion of waste streams from any portion of a treatment facility;

- ii. Severe property damage means substantial physical damage to property, damage to the treatment facilities which causes them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.
 - b. Bypass not exceeding limitations: The operator may allow any bypass to occur that does not cause effluent limitations to be exceeded, but only if it also is for essential maintenance to assure efficient operation. These bypasses are not subject to the provisions Part 9.20(c) and 20(d).
 - c. Notice:
 - i. Anticipated bypass. If the operator knows in advance of the need for a bypass, if possible prior notice shall be submitted at least ten days before the date of the bypass.
 - ii. Unanticipated bypass. The operator shall submit notice of an unanticipated bypass as required in Part 9.12(d).
 - d. Prohibition of bypass:
 - i. Bypass is prohibited, and ADEQ may take enforcement action against the operator for bypass, unless:
 - 1) Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage;
 - 2) There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance; and
 - 3) The operator submitted notices as required under Part 9.20(c).
 - ii. ADEQ may approve an anticipated bypass, after considering its adverse effects, if the Department determines that it will meet the three conditions listed above in this Part 9.20(d).
- 21. Upset:** [A.R.S. §§ 49-255(8) and 255.01(E), A.A.C. R18-9-A905(A)(3)(a), which incorporates 40 CFR 122.41(n)]
- a. Definition: Upset means an exceptional incident in which there is unintentional and temporary noncompliance with technology based permit effluent limitations because of factors beyond the reasonable control of the operator. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.
 - b. Effect of an upset: An upset constitutes an affirmative defense to an action brought for noncompliance with such technology based permit effluent limitations if the requirements of Part 9.21(c) are met. No determination made during administrative review of claims that noncompliance was caused by upset, and before an action for noncompliance, is final administrative action subject to judicial review.
 - c. Conditions necessary for a demonstration of upset: An operator who wishes to establish the affirmative defense of upset must demonstrate, through properly signed, contemporaneous operating logs, or other relevant evidence that:
 - i. An upset occurred and that the operator can identify the cause(s) of the upset;
 - ii. The permitted facility was at the time being properly operated;

- iii. The operator submitted notice of the upset as required in Part 9.12(d)(iii); and
 - iv. The operator complied with any remedial measures required under Part 9.4.
- d. Burden of proof: In any enforcement proceeding, the operator, who is seeking to establish the occurrence of an upset, has the burden of proof.

22. Penalties for Violations of Permit Conditions

Any permit noncompliance constitutes a violation and is grounds for an enforcement action, permit termination, revocation and reissuance, modification, or denial of a permit renewal application.

- a. Civil Penalties: A.R.S. § 49-262 provides that any person who violates any provision of A.R.S. Title 49, Chapter 2, Article 2, 3 or 3.1 or a rule, permit, discharge limitation or order issued or adopted under A.R.S. Title 49, Chapter 2, Article 3.1 is subject to a civil penalty not to exceed \$25,000 per day per violation.
- b. Criminal Penalties: Any person who violates a condition of this general permit, or violates a provision under A.R.S. Title 49, Chapter 2, Article 3.1, or A.A.C. Title 18, Chapter 2, Article 9 is subject to the enforcement actions established under A.R.S. Title 49, Chapter 2, Article 4, which may include the possibility of fines and/or imprisonment.

10.0 DEFINITIONS

1. **Analytical monitoring** – means monitoring conducted to provide quantitative results in accordance with A.A.C. R18-9-A905(B).
2. **Best management practices (BMPs)** – means schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the pollution of “waters of the United States.” BMPs also include treatment requirements, operating procedures, and practices to control plant site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage.
3. **Common plan of development** – a contiguous area where multiple separate and distinct land disturbing activities may be taking place at different times, on different schedules, but under one plan. A ‘plan’ is broadly defined to include design, permit application, advertisement or physical demarcation indicating that land-disturbing activities may occur.
4. **Construction activity** – means earth-disturbing activities such as, clearing, grading, excavating, stockpiling of fill material and other similar activities. This definition encompasses both large construction activities defined in 40 CFR 122.26 (b)(14)(x) and small construction activities in 40 CFR 122.26 (b)(15)(i) and includes construction support activities.
5. **Controls or Control Measures or Measures** – means schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or control the pollution of waters of the United States. Controls also include treatment requirements, operating procedures, and practices to control plant site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage.
6. **CWA or The Act** means Clean Water Act (formerly referred to as the Federal Water Pollution Control Act or Federal Water Pollution Control Act Amendments of 1972) Pub.L. 92-500, as amended Pub. L. 95 217, Pub. L. 95-576, Pub. L. 96-483 and Pub. L. 97-117, 33 U.S.C. 1251 et.seq.
7. **Department** – the Arizona Department of Environmental Quality.
8. **Discharge** – when used without qualification means the “discharge of a pollutant.”
9. **Discharge of a pollutant** – any addition of any “pollutant” or combination of pollutants to “waters of the United States” from any “point source,” or any addition of any pollutant or combination of pollutants to the waters of the “contiguous zone” or the ocean from any point source other than a vessel or other floating craft which is being used as a means of transportation. This includes additions of pollutants into waters of the United States from surface runoff which is collected or channeled by man. See 40 CFR 122.2.
10. **Discharge point** – the location where stormwater flows exit the construction activity.
11. **Effluent limitations** – means any limitation or condition on quantities, discharge rates, or concentration of pollutants which are discharged from a point source.
12. **Effluent Limitations Guideline (ELG)** – defined in 40 CFR § 122.2 as a regulation published by the Administrator under section 304(b) of CWA to adopt or revise effluent limitations.
13. **Ephemeral water** – a surface water that has a channel that is at all times above the water table, and that flows only in direct response to precipitation. [A.A.C. R18-11-101(22)]

14. **Existing Permittees** means Small MS4 operators who had coverage under ADEQ's 2002 Small MS4 General Permit.
15. **Facility** means any "point source" or any other facility (including land or appurtenances thereto) that is subject to regulation under the AZPDES/NPDES program.
16. **Field Screening Point** means location(s) where municipal stormwater leaves a Small MS4 operator's permitted area and goes to a Waters of the U.S. by way of a conveyance (such as another municipal storm sewer system).
17. **Illicit connection** means any man-made conveyance connecting an illicit discharge directly to a municipal separate storm sewer.
18. **Illicit discharge** means any discharge to a municipal separate storm sewer that is not composed entirely of stormwater except discharges pursuant to a AZPDES/NPDES permit (other than the AZPDES permit for discharges from the municipal separate storm sewer) and discharges resulting from firefighting activities.
19. **Impaired water** – waters that have been assessed by ADEQ, under the Clean Water Act, as not attaining a water quality standard for at least one (1) designated use, and are listed in Arizona's current 303(d) List or on the 305(b) Category 4 list.
20. **Intermittent water** or **Intermittent stream** – a stream or reach that flows continuously only at certain times of the year, as when it receives water from a spring or from another surface source, such as melting snow. [A.A.C. R18-11-101(25)]
21. **Maximum Extent Practicable (MEP)** – means maximum extent practicable, the technology-based discharge standard for municipal separate storm sewer systems to reduce pollutants in storm water discharges. A discussion of MEP as it applies to small MS4s is found at 40 CFR 122.34. CWA section 402(p)(3)(B)(iii) requires that a municipal permit "shall require controls to reduce the discharge of pollutants to the maximum extent practicable, including management practices, control techniques and system design, and engineering methods, and other provisions such as the Administrator or the State determines appropriate for the control of such pollutants.
22. **Measurable Goal** means a quantitative measure of progress in implementing a component of a storm water management program.
23. **Minimize** – to reduce and/or eliminate to the extent achievable using control measures that are technologically available and economically practicable and achievable in light of best industry practices.
24. **Municipal separate storm sewer** – a conveyance or system of conveyances (including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, man-made channels, or storm drains):
 - a. Owned or operated by a State, city, town, borough, county, parish, district, association, or other public body (created by or pursuant to State law) having jurisdiction over disposal of sewage, industrial wastes, stormwater, or other wastes, including special districts under State law such as a sewer district, flood control district or drainage district, or similar entity, or a designated and approved management agency under section 208 of the Clean Water Act (33 U.S.C. 1288) that discharges to waters of the United States;
 - b. Designed or used for collecting or conveying stormwater;
 - c. Which is not a combined sewer; and
 - d. Which is not part of a Publicly Owned Treatment Works.

- 25. Municipal separate storm sewer system (MS4)** – all separate storm sewers defined as “large,” “medium,” or “small” municipal separate storm sewer systems or any municipal separate storm sewers on a system-wide or jurisdiction-wide basis as determined by the Director under A.A.C. R18-9-C902(A)(1)(g)(i) through (iv). [A.A.C. R18-9-A901(23)]. This also includes similar systems owned or operated by separate storm sewer municipal jurisdictions not required to obtain stormwater discharge authorization.
- 26. New Permittees** means Small MS4 operators who did not have permit coverage under ADEQ’s 2002 Small MS4 General Permit.
- 27. Not-Attaining** means a surface water is assessed as impaired, but is not placed on the 303(d) List because:
- A TMDL is prepared and implemented for the surface water;
 - An action, which meets the requirements of R18-11-604(D)(2)(h), is occurring and is expected to bring the surface water to attaining before the next 303(d) List submission; or
 - The impairment of the surface water is due to pollution but not a pollutant, for which a TMDL load allocation cannot be developed.
- 28. Non-traditional MS4** means systems similar to separate storm sewer systems in municipalities, such as systems at military bases, large hospital or prison complexes, and highways and other thoroughfares. The term does not include separate storm sewers in very discrete areas, such as individual buildings. 40 CFR 122.26(a)(16)(iii).
- 29. Notice of Intent (NOI)** – the application to operate under this general permit.
- 30. Notice of Termination (NOT)** – the application to terminate coverage under this general permit.
- 31. Outfall** – means a *point source* as defined by 40 CFR 122.2 at the point where a municipal separate storm sewer discharges to waters of the United States and does not include open conveyances connecting two (2) municipal separate storm sewers, or pipes, tunnels or other conveyances which connect segments of the same stream or other waters of the United States and are used to convey waters of the United States.
- 32. Outstanding Arizona Water (OAW)** – a surface water that has been designated by ADEQ as an outstanding state resource under A.A.C. R18-11-112.
- 33. Owner or operator** means the owner or operator of any “facility or activity” subject to regulation under the NPDES program.
- 34. Perennial water** – a surface water that flows continuously throughout the year (A.A.C. R18-11-101(30)).
- 35. Permittee** – refers to any person (defined below) authorized by this NPDES permit to discharge to Waters of the United States.
- 36. Person** – an individual, employee, officer, managing body, trust, firm, joint stock company, consortium, public or private corporation, including a government corporation, partnership, association or state, a political subdivision of this state, a commission, the United States government or any federal facility, interstate body, or other entity.
- 37. Point source** – any discernible, confined, and discrete conveyance, including but not limited to, any pipe, ditch, channel, tunnel, conduit, well, discrete fissure, container, rolling stock concentrated animal feeding operation, landfill leachate collection system, vessel or other floating craft from which pollutants are or may be discharged. This term does not include return flows from irrigated agriculture or agricultural stormwater runoff.

- 38. Pollutant** – sediment, fluids, contaminants, toxic wastes, toxic pollutants, dredged spoil, solid waste, substances and chemicals, pesticides, herbicides, fertilizers and other agricultural chemicals, incinerator residue, sewage, garbage, sewage sludge, munitions, petroleum products, chemical wastes, biological materials, radioactive materials, heat, wrecked or discarded equipment, rock, sand, cellar dirt (e.g., overburden material), and mining, industrial, municipal and agricultural wastes or any other liquid, solid, gaseous or hazardous substances. [A.R.S. § 49-201(29)]
- 39. Receiving water** – as used in this permit means “Water of the United States” as defined in 40 CFR §122.2 that receives discharges from the MS4.
- 40. Satellite Installation** - means facilities that are not subject to separate AZPDES permitting, are non-contiguous with the primary facility, and meet the following criteria: a) located in an urbanized area, and b) have the potential to discharge pollutants. Examples include golf courses, parks and recreation areas, and vehicle and equipment maintenance facilities.
- 41. Stormwater** – stormwater runoff, snow melt runoff, and surface runoff and drainage. See 40 CFR 122.26(b)(13).
- 42. Stormwater Discharge Associated with Construction Activity** – a discharge of pollutants in stormwater runoff from areas where soil disturbing activities (e.g., clearing, grading, or excavating), construction materials, or equipment storage or maintenance (e.g., fill piles, borrow areas, concrete truck washout, fueling), or other industrial stormwater directly related to the construction process (e.g., concrete or asphalt batch plants) are located. See 40 CFR 122.26(b)(14)(x) and 40 CFR 122.26(b)(15).
- 43. Stormwater Discharge Associated with Industrial Activity** means the discharge from any conveyance which is used for collecting and conveying stormwater and which is directly related to manufacturing, processing, or raw materials storage areas at an industrial plant (See 40 CFR §122.26(b)(14) for specifics of this definition).
- 44. Stormwater Management Program (SWMP)** means a comprehensive program to manage the quality of stormwater discharged from the municipal separate storm sewer system. For the purposes of this permit, the Stormwater Management Program is considered a single document, but may actually consist of separate programs (e.g. "chapters") for each permittee.
- 45. Stormwater Pollution Prevention Plan (SWPPP)** – a site-specific, written document that, among other things: (1) identifies potential sources of stormwater pollution at the location of the construction activity; (2) describes control measures to reduce or eliminate pollutants in stormwater discharges from the construction activity; and (3) identifies procedures the operator will implement to comply with the terms and conditions of this general permit.
- 46. Surface Water** – as used in this permit means “Water of the United States” as defined in 40 CFR §122.2.
- 47. Total Maximum Daily Load (TMDL)** – an estimation of the total amount of a pollutant from all sources that may be added to a water while still allowing the water to achieve and maintain applicable surface water quality standards. Each total maximum daily load shall include allocations for sources that contribute the pollutant to the water, as required by section 303(d) of the clean water act (33 United States Code, Section 1313(d)) and regulations implementing that statute to achieve applicable surface water quality standards. [A.R.S. § 49-231(4)]
- 48. Turbidity** – a condition of water quality characterized by the presence of suspended solids and/or organic material; expressed as nephelometric turbidity units (NTU).

- 49. Waste Load Allocation (WLA)** – The maximum load of pollutants each discharger of waste is allowed to release into a particular waterway. Discharge limits are usually required for each specific water quality criterion being, or expected to be, violated. WLAs constitute a type of water quality-based effluent limitation. (See 40 C.F.R. § 130.2(h))
- 50. Waters of the United States (U.S.)** – defined in 40 CFR 122.2.
- 51. Wetland** – an area that is inundated or saturated by surface or groundwater at a frequency and duration sufficient to support, and that under normal circumstances does support, a prevalence of vegetation typically adapted for life in saturated soil conditions. A wetland includes a swamp, marsh, bog, cienega, tinaja, and similar areas. [A.A.C. R18-11-101(49)]

Attachment 3 - Mohave County Notice of Intent

Draft





NOTICE OF INTENT (NOI)

for Arizona Pollutant Discharge Elimination System (AZPDES) Small Municipal Separate Storm Sewer System (MS4) General Permit (AZG2016-002)

Regulated small Municipal Separate Storm Sewer Systems (MS4s) must submit a Notice of Intent (NOI) to the Arizona Department of Environmental Quality (ADEQ) to obtain MS4 general permit coverage. Permittees must complete a NOI form and submit the original, ink-signed document to the address below:

Arizona Department of Environmental Quality
 Surface Water Section/ Stormwater & General Permits Unit (5415A-1)
 1110 West Washington Street
 Phoenix, AZ 85007

A. SMALL MS4 INFORMATION

Legal Name of Municipality or Organization:

Mohave County

Choose one:

Existing Permittee New Permittee

Operator Type:

County

Mailing Address:

P.O. Box 7000

County:

Mohave

City:

Kingman

State:

Arizona

Zip Code:

86402-7000

Latitude/ Longitude at approximate geographic center of MS4 (D/M/S):

34 32' 35.73" 114 21' 37.98"

B. PRIMARY MS4 PROGRAM MANAGER CONTACT PERSON

Name:

Timothy M. Walsh Jr.

Title:

Director

Department:

Mohave County Development Services

Mailing Address:

P.O. Box 7000

City:

Kingman

State:

Arizona

Zip Code:

86402-7000

Phone Number:

928-757-0925 ext 5826

Fax Number:

928-757-0912

Email Address:

Tim.Walsh@mohavecounty.us

Has another governmental entity agreed to satisfy any of your permit obligations?

Yes

No

If "yes" to the above question, name the other governmental entity and describe the agreement(s) between entities:

Mohave County Public Works and Mohave County Flood Control District have agreed to assist in the development, implementation and enforcement of the SWMP in compliance with the AZG2016-002 Permit. Both own and operate facilities within the MS4 which they will inspect and maintain. In addition, Mohave County Flood Control District as agreed to serve as the main point of contact for the program.

C. BILLING INFORMATION		
Same as Primary MS4 Program Manager Contact Person Information? If "yes," proceed to Section D.		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Name: Shannon Summers	Title: Floodplain Programs Manager	
Department: Mohave County Flood Control District		
Mailing Address: P.O. Box 7000		
City: Kingman	State: Arizona	Zip Code: 86402-7000
Phone Number: 928-757-0925 ext 5851	Fax Number: 928-757-0912	Email Address: Shannon.Summers@mohavecounty.us
D. ENFORCEMENT AUTHORITY OR OTHER MECHANISM		
Illicit Discharge Detection and Elimination (IDDE) Enforcement Authority or other mechanism established?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Describe IDDE Enforcement Authority or other mechanism: IDDE Enforcement Authority will come in the form of adopted regulatory mechanisms for defining the requirements, procedures and penalties associated with the prevention of illicit discharges into the Mohave County MS4 permit area. A Stormwater Ordinance will be created and adopted for this purpose. Other regulatory mechanisms, including but not limited to the Mohave County Drainage Design Manual will be updated to reference the IDDE Program. Implementation will come in the form of public education, public outreach in the form of direct mailings and/or personal contact, inspections, and visual monitoring. Enforcement will come in the form of on-site inspections and follow up actions taken by County Staff, as they perform scheduled monitoring activities or in response to complaints submitted by the public. The Board of Supervisors will ultimately serve as the final enforcement entity, authorizing the County Attorney to seek action for non-compliance.		
Name of Enforcement Authority or other mechanism: Stormwater Ordinance		Effective Date or Estimated Date of Adoption: 9/29/2018
Construction Site Stormwater Runoff Enforcement Authority or other mechanism established?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Describe Construction Site Stormwater Enforcement Authority or other mechanism: Construction Site Stormwater Enforcement Authority will come in the form of adopted regulatory measures defining the requirements, procedures and penalties associated with the prevention and control of construction site stormwater runoff. A Stormwater Ordinance will be created for this purpose and subsequent documents will be updated to reference the new Ordinance (The Mohave County Drainage Design Manual, Review Checklists etc.). Implementation will occur during the development review process as applicants seek grading and building permits. While ADEQ has its own review of Stormwater Pollution Protection Plans for construction sites provided that the disturbance area meets given criteria, those projects located within the limits of the designated MS4 areas will be subject to review and approval of a SWPPP as part of the permitting process. County Staff will also enforce the program during scheduled inspections, which will document non-compliance with the approved SWPPP. Follow-up inspections will be performed as needed to bring the construction site into compliance. The Board of Supervisors will serve as		

the final enforcement entity, authorizing the County Attorney to take action for continued non-compliance. The inspection schedule will be set on a per project basis accounting for such factors as phase of construction, proximity to the receiving water, size of project, and history of compliance by the party responsible for maintaining the site.

Name of Enforcement Authority or other mechanism: Stormwater Ordinance	Effective Date or Estimated Date of Adoption: 9/29/2018
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Post-Construction Stormwater Management Enforcement Authority or other mechanism established?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
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Describe Post-Construction Enforcement Authority or other mechanism:
 Post-Construction Site Stormwater Enforcement Authority will come in the form of adopted Stormwater Ordinance that will define the requirements, procedures and penalties associated with the prevention and control of and controlling post-construction site stormwater runoff. The Drainage Design Manual, Building Ordinances, Building and Grading Review Checklists will reference this new ordinance. Implementation will occur during the development review process as applicants seek grading and building permits for new development and redevelopment. Enforcement of the long-term maintenance and operation of the post-construction stormwater control measures on private properties will come in the form of requiring inspections with inspection reports being submitted to Mohave County. The Board of Supervisors will ultimately serve as the final enforcement entity, authorizing the County Attorney to seek action for non-compliance.

Name of Enforcement Authority or other mechanism: Stormwater Ordinance	Effective Date or Estimated Date of Adoption: 9/29/2018
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E. MAPPING COMPONENTS				
1. Stormwater Sewer Mapping (including roads with drainage system, municipal streets, catch basins, curbs, gutter, ditches, man-made channels, or storm drains that are owned or operated by the permittee and convey stormwater to Waters of the US)		Percent Complete at time of NOI submission 100%		
If 100% of requirements are NOT met for an existing permittee and for all new permittees, include a timeline, measurable goals, and estimated date of completion (MM/YY) for Stormwater Sewer Mapping: Click here to enter text.				
2. Outfall Mapping		Percent Complete at time of NOI submission 100%		
If 100% of requirements are NOT met for an existing permittee and for all new permittees, include a timeline, measurable goals, and estimated date of completion (MM/YY) for Outfall Mapping: Click here to enter text.				
3. Identification of Receiving Waters (names and locations of all the Waters of the US that receive discharge from those outfalls)		Percent Complete at time of NOI submission 100%		
If 100% of requirements are NOT met for an existing permittee and for all new permittees, include a timeline, measurable goals, and estimated date of completion (MM/YY) for Receiving Water Identification: Click here to enter text.				
F. SUMMARY OF RECEIVING WATERS				
Does the MS4 have outfalls that discharge to Waters listed in A.A.C. R18-11 Article 1, Appendix B?		<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
If "yes" the MS4 discharges to receiving water(s) listed in A.A.C. R18-11 Article 1, Appendix B, then the following section must be completed. If "no" discharges occur to receiving water(s) listed in A.A.C. R18-11 Article 1, Appendix B, then the following section does <u>not</u> need to be filled out, proceed to Section G. If you answer "yes," the receiving water segment is Impaired, Not-Attaining or an Outstanding Arizona Water (OAW), you must also complete Part H.3- Impaired, Not-Attaining and OAWs and BMPs.				
Identify Appendix B surface water(s) that receives discharge(s) from the MS4	Number of outfalls discharging to receiving water?	Is the receiving water listed as an Impaired, Not-Attaining or OAW (choose one)?	List Pollutant(s) causing the Impairment(s):	Does the receiving water have a TMDL?
Click here to enter text.		Choose an item.	Click here to enter text.	
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G. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY

G-1. MCM 1: Public Education and Outreach

For MCM 1- Public Education and Outreach, use the pull down menu to indicate the BMP Category (column 1). You may override the selection and type in your own BMP. Include a brief description of the BMP (column 2) including the personnel position or department(s) responsible. Describe the Measureable Goals (column 3) for each BMP, including the targeted audience such as commercial, construction, industrial or residential for MCM 1. Column 3 should include milestones, timeframes and frequencies. Insert the month and year (MM/YY) in the Start Date (column 4) to indicate the date the BMP was initiated or enter your own text to override the selection.

BMP Category (enter your own text to override the drop down menu)	BMP Description (include personnel position or department responsible)	Measurable Goals (include milestones, timeframes and frequencies) and include the Targeted Audience	Start Date (MM/YY) (enter your own text to override the drop down menu)
Brochures	Stormwater Quality Related Brochure (General and Target Audience Specific) distribution. Mohave County Flood Control District	Create a minimum of three (3) Stormwater Related Brochures in the initial permit year. The brochures will target contractor/developers, business owners, and homeowners. Number of brochures created and distributed will be tracked and the results presented in the Annual Report. Each year, direct mail brochures to homeowners and business owners within the MS4 area. The number of brochures mailed will be tracked as part of the Annual Report.	03/17
Press Release	Press Release Notification of MS4 Designation and pending new Stormwater Quality Requirements. Mohave County Flood Control District	Publish press release notifying the public about the Stormwater Management Program. The press release will be published in two (2) local papers and run every Sunday for two (2) consecutive weeks. A copy of the press release and the exact date of the release will be presented in the Annual Report.	03/17
Webpage	Stormwater Management Webpages Mohave County Flood Control District	Update the existing Mohave County Flood Control Webpage to include a stormwater quality component. Ancillary webpages will include links to brochures, SWMP, general permit, and other information designed to assist in education of the public. Naviagation to the various webpages will be tracked with the results presented in the Annual Report.	03/17

Special Event	Public outreach sessions specific to stormwater quality and stormwater management. Mohave County Flood Control District Mohave County Public Works	Distribute brochures, and/or stormwater quality handouts during one of the scheduled public participation sessions (i.e. Adopt a Roadway, E.R.A.C.E. or Trash Pickup Events). The date, location, type of event, and information disseminated will be documented in the Annual Report.	03/17
Video	Stormwater Quality Specific videos via an on-line webpage and/or weblinks. Mohave County Development Services Mohave County Flood Control District Mohave County Public Works	Create a webpage that hosts the on-line videos or video links. Links will be tested each quarter to ensure they work. Track the number of the times people navigate to this page and report the information within the Annual Report.	03/17
School Event	School outreach events to provide stormwater quality related training tools to youth. Mohave County Public Works Mohave County Development Services Mohave County Flood Control	During the school event, engage students using age-appropriate materials to teach about stormwater quality. The events will be part of those currently being organized and implemented through E.R.A.C.E. Program. Document, as part of the Annual Report, the event location, time, target audience, and the types of materials that were discussed and/or distributed.	03/17
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MCM 1: Public Education and Outreach

Use this space to add any additional information for MCM1:

Rjonn Burns – Mohave County Flood Control District, will serve as the main point of contact for the implementation of the Public Education and Outreach Program.

Tim Walsh - Mohave County Development Services, will have a limited role in the public education and outreach program. His department will field questions as they arise during review processes or that are brought to the department directly.

Les Henley – Mohave County Public Works, will serve as the main point of contact for his department, which will provide assistance in the implementation of the program.

Public education will be conducted through the distribution of hard materials, or through electronic media such as direct links and downloads from the Mohave County Flood Control and Public Works webpages. Target audiences found within the limits of the MS4 will include homeowners and their families, homeowner associations, business owners, contractors, and developers. The variety of business types located within the MS4 limits include operations such as restaurants, automotive repair and restoration, and boat repair and restoration. In terms of residential properties, the initial site reconnaissance found many of the residents enjoy having urban farms with livestock and/or recreational vehicles. This expands the target audience and as such increases the amount of material that will be created and distributed.

During a tour of the MS4 area it was realized that the MS4 area does not contain any schools, libraries or community centers. The lack of these facilities will limit the locations available to place materials geared toward the younger audiences. Mohave County will place such materials in the municipal buildings that are opened to the public.

G-2. MCM 2: Public Involvement and Participation			
<p>For MCM 2- Public Involvement and Participation, use the pull down menu to indicate the BMP Category (column 1). You may override the selection and type in your own BMP. Include a brief description of the BMP (column 2) including the personnel position or department(s) responsible. Describe the Measureable Goals (column 3) for each BMP. Column 3 should include milestones, timeframes and frequencies. Insert the month and year (MM/YY) in the Start Date (column 4) to indicate the date the BMP was initiated or enter your own text to override the selection.</p>			
BMP Category (enter your own text to override the drop down menu)	BMP Description (include personnel position or department responsible)	Measurable Goals (include milestones, timeframes and frequencies)	Start Date (MM/YY) (enter your own text to override the drop down menu)
Public Involvement	On-line Reporting and Commenting Form/Contact Information Mohave County Flood Control District Mohave County Development Services Mohave County Public Works	Provide a means to report stormwater quality issues, ask questions or to provide comments on the SWMP and its requisite programs. Complaints, questions, and comments will be tracked and documented in the Annual Report.	03/17
Public Involvement	Household Hazardous Waste Removal. Mohave County Flood Control District Mohave County Development Services Mohave County Public Works	Provide, via the Mohave County Flood Control webpages, the locations of business in proximity of the MS4 permit areas that collect household hazardous waste. Provide the list as part of the Annual Report and report on the number of times the webpage was viewed.	03/17
Public Participation	Community Education Event. Mohave County Public Works	Provide, as part of the E.R.A.C.E. program, a community awareness presentation within proximity of the MS4 permit area. The date(s), time(s), target audience, and number of attendees will be reported as part of the Annual Report.	03/17
Public Participation	Community Clean Up Event Mohave County Public Works	Provide, as part of the E.R.A.C.E. program, a cleanup event(s) within the limits of the MS4 permit area. The events location(s), the date(s), and the time(s) will be reported as part of the Annual Report.	03/17
Public Involvement	Adopt-a-Road Program/Litterbug Program Mohave County Public Works	Provide, as part of the Litter Removal Program, make available for adoption roads within the MS4 permit area. The event location(s), the date(s), and the time(s) will be reported as part of the Annual Report.	03/17

Public Involvement	Runoff Monitoring Mohave County Flood Control District Mohave County Development Services	Provide a means, through the Mohave County website, for citizens to track rainfall/runoff events. The use of this system will help with the process of reporting an illicit discharge within the MS4.	03/17
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MCM 2: Public Involvement and Participation

Use this space to add any additional information about MCM2:

Rjonn Burns – Mohave County Flood Control District, will serve as the main point of contact for the implementation of the Public Involvement and Participation aspects of the SWMP.

The Mohave County Stormwater webpages will be hosted and maintained by the Mohave County Flood Control District. The webpages will include links to a downloadable version of the SWMP, NOI, and allow the public to file complaints, access information directly, or direct them to other websites that have additional information. The links will be reviewed quarterly to ensure that they are in working order.

Tim Walsh – Mohave County Development Services, will have a limited role in the public participation and public involvement aspects of the SWMP. His department will field questions as they arise during review processes or that are brought to the department directly.

Les Henley – Mohave County Public Works, will serve as main point contact for the community participation events organized or hosted by the Public Works Department.

Environmental Rural Area Clean-up Enforcement (E.R.A.C.E.), a division within Mohave County Public Works, will help with organizing and implementing community cleanup efforts within the MS4 area. Mohave County Public Works also has a separate cleanup program that adopts sections of roadways for cleanup. Both programs will be used to engage the public and help maintain the MS4 permit area. The number of events will be determined by the state of the facilities within the MS4 area, number of complaints, and number of volunteers. It is anticipated that at least one volunteer clean up event per year will occur within each of the regions that make up the MS4 permit area.

G-3. MCM 3: Illicit Discharge Detection and Elimination (IDDE) Program			
<p>For MCM 3- Illicit Discharge Detection and Elimination (IDDE) Program, use the pull down menu to indicate the BMP Category (column 1). You may override the selection and type in your own BMP. Include a brief description of the BMP (column 2) including the personnel position or department(s) responsible. Describe the Measureable Goals (column 3) for each BMP. Column 3 should include milestones, timeframes and frequencies. Insert the month and year (MM/YY) in the Start Date (column 4) to indicate the date the BMP was initiated or enter your own text to override the selection.</p>			
BMP Category (enter your own text to override the drop down menu)	BMP Description (include personnel position or department responsible)	Measurable Goals (include milestones, timeframes and frequencies)	Start Date (MM/YY) (enter your own text to override the drop down menu)
Stormwater Sewer Mapping	GIS Based Mapping Mohave County Flood Control District Mohave County Development Services Mohave County Public Works	Complete Mapping/Inventory (100%) of storm sewer components. The tabulated summary of the facilities that make up the MS4 will be presented on the Annual Report.	03/17
Stormwater Sewer Mapping	GIS Mapping Review Mohave County Development Services Mohave County Flood Control District	Review and update mapped system on an annual basis. The tabulated summary of the facilities that make up the MS4 will be presented on the Annual Report. Revisions will be noted accordingly.	03/17
Outfall Inventory	GIS Mapping of the storm sewer outfalls/receiving waters Mohave County Development Services Mohave County Flood Control District	Complete an inventory of the Waters of the United States to which the MS4 storm sewer discharges prior to the submittal of the NOI. The list of outfalls will be provided as part of the Annual Report.	03/17
Written IDDE Procedures	IDDE Program designed to prevent Illicit discharges from entering the MS4. Mohave County Public Works Mohave County Development Services Mohave County Flood Control District.	Submit to the Mohave County Board of Supervisors an IDDE Program such that it can be adopted and implemented. The IDDE program adoption date will be submitted as part of the initial Annual Report. Revisions to the IDDE Program that occur in subsequent permit years will be documented in the Annual Report.	09/17
Training	IDDE Program Training Mohave County Flood Control District Mohave County Development Services Mohave County Public Works	Train appropriate staff on the IDDE Program such that it can be properly implemented. Train new staff within six (6) months of being hired on the IDDE Program.	9/17

		<p>Provide annual training on the IDDE Program and other programs within the SWMP.</p> <p>All training will reported as part of the Annual Report for the year in which it occurred. The type of training, date of training, and number of attendees will be included in the reporting.</p>	
Implement IDDE Program	<p>Web-based Public Reporting form for illicit discharges, stormwater quality complaints or concerns Mohave County Development Services Mohave County Flood Control District</p>	<p>Establish an on-line reporting mechanism (i.e. E-form, phone number or contact email) which the public can use to report an illicit discharge, stormwater quality complaint, and/or comment about the SWMP and its requisite programs. The number and type of complaints along with the results of the follow up will be documented as part of the Annual Report.</p>	09/17
Dry Weather Screening	<p>Dry weather outfall monitoring inspections Mohave County Public Works</p>	<p>At least 72 hours after a storm event that resulted in a discharge, Mohave County staff will inspect the outfalls and report the findings. The results of the monitoring will be summarized in the Annual Report.</p>	09/17
Wet Weather Monitoring	<p>Wet weather outfall monitoring inspections Mohave County Public Works</p>	<p>Twice within each wet season, weather permitting, Mohave County staff will monitor the outfalls within the MS4 area. The date of the inspection and location of the inspection along with the results of the inspection will be documented in the Annual Report.</p>	09/17
Dry Weather Screening	<p>Follow up monitoring and clean up Mohave County Public Works</p>	<p>Should the dry weather monitoring inspection find a pollution problem, maintenance effort will be undertaken within 3 business days. If possible the source of the pollutant will be tracked. The results of this effort will be reported in the Annual Report.</p>	09/17
Choose an item.	Click here to enter text.	Click here to enter text.	Choose an item.
Choose an item.	Click here to enter text.	Click here to enter text.	Choose an item.
Choose an item.	Click here to enter text.	Click here to enter text.	Choose an item.

MCM 3: Illicit Discharge Detection and Elimination (IDDE) Program

Use this space to add any additional information about MCM3:

The contacts as presented in the MCM1 and MCM 2 will apply to MCM3. Each department will assist in the creation of the IDDE Program, though the Mohave County Flood Control District will be responsible for maintaining it and the mapped MS4 facilities inventory. The District will also be responsible for organizing dry weather monitoring and assisting in the wet weather monitoring as needed. In general, the inspections will be conducted by the Mohave County Department of Public Works. All records will be maintained by the Mohave County Flood Control District, who will be responsible for writing the Annual Report and the required DMR.

Mohave County has reviewed the list of non-stormwater discharges and did not find them to be a significant contributor of pollutants.

Training will be conducted by the Mohave County Flood Control District and Public Works. Any staff who will be charged with the implementation of any of the aspects of the IDDE Program will be trained within the first year of the program. New staff will be trained within 6 months of their hiring date. Annual training on a variety of topics will be provided. This training will include the IDDE Program.

The visual monitoring efforts will include some qualitative and quantitative measures. The measures which are listed in Section 6.4.3.8 of the permit will be recorded on the IDDE monitoring form.

The MS4 has an estimated ten (10) outfall locations, it is anticipated that every permit year 80% of these outfalls will have a least one of the two types of visual monitoring inspections.

G-4. MCM 4: Construction Activity Stormwater Runoff Control

For MCM 4- Construction Activity Stormwater Runoff Control, use the pull down menu to indicate the BMP Category (column 1). You may override the selection and type in your own BMP. Include a brief description of the BMP (column 2) including the personnel position or department(s) responsible. Describe the Measureable Goals (column 3) for each BMP. Column 3 should include milestones, timeframes and frequencies. Insert the month and year (MM/YY) in the Start Date (column 4) to indicate the date the BMP was initiated or enter your own text to override the selection.

BMP Category (enter your own text to override the drop down menu)	BMP Description (include personnel position or department responsible)	Measurable Goals (include milestones, timeframes and frequencies)	Start Date (MM/YY) (enter your own text to override the drop down menu)
Written Procedures	Construction Activity Stormwater Runoff Program Mohave County Flood Control District Mohave County Development Services Mohave County Public Works	Create a Stormwater Ordinance to require a SWPPP for construction activities within the MS4 area and secure adoption by the Mohave County Board of Supervisors. The date of adoption will be documented in the Annual Report.	03/17
Training	Staff Training Program Mohave County Flood Control District Mohave County Public Works	Develop and implement an annual program geared toward training staff on the Construction Activity Stormwater Runoff Program. Staff training will include, Mohave County Development Services Reviewers, Mohave County Public Works Inspectors, Mohave County Public Works Project Managers and Construction Crews. The type of training, number of attendees, and date of training will be documented in the Annual Report.	09/17
Site Plan Review	Grading and Building Permit Reviews Mohave County Development Services	Review incoming site and development plans proposed in the MS4 permit area for compliance with the Construction Activity Stormwater Management Program. The number of the permit reviews and SWPPP reviews will be documented as part of the Annual Report.	09/17
Inspections	Site Inspections Mohave County Public Works	Develop a baseline inspection schedule to be used for inspecting construction sites for compliance with the Construction Activity Stormwater Runoff Program.	03/18

Enforcement	Regulatory Measures Mohave County Public Works Mohave County Development Services	Adopt, as part of the Stormwater Ordinance, procedures for enforcing compliance of the Construction Activities Stormwater Runoff Program. The date the procedures are adopted will be provided in the Annual Report.	03/18
Enforcement	Inspections and Citations Mohave County Public Works Mohave County Development Services	Inspect construction sites within the MS4 permit area for compliance/adherence to the Construction Activity Stormwater Runoff Program and the approved SWPPP. Follow-up inspections and citations to be issued as needed. Legal action to be sought following continued non-compliance. The number of inspections, follow-up inspections, citations and legal actions will be documented as part of the Annual Report.	03/18
Education/ Public Involvement	Educate and assist contractors and developers in the creation of SWPPP as part of the review process. Mohave County Development Services Mohave County Flood Control District Mohave County Public Works	As part of the Construction Activity Stormwater Runoff Program, create a submittal checklist for Storm Water Pollution Prevention Plans. The checklist will be available to the public as part of the development review application. The number of times the checklist is distributed and used by construction permit applications will be documented as part of the Annual Report.	03/17
Education/ Public Involvement	Educate and assist contractors and developers in the creation of SWPPP as part of the review process. Mohave County Development Services Mohave County Flood Control District Mohave County Public Works	Provide a means for the public to evaluate the Mohave County Construction Activity Storm Water Program. The methods of communication will include an email address and contact phone number on the stormwater webpages and the opportunity to provide feedback during the review process. Comments regarding the program will be documented as part of the Annual Report. Revisions to the program that are result of the comments will also be documented in the Annual Report.	09/17

BMPs Erosion/ Sediment Control	Good Housekeeping Procedures Mohave County Development Services Mohave County Public Works	Create as part of the SWPPP, procedures and processes for systematically cleaning up construction sites on both public works projects and private development construction sites.	03/17
BMPs Erosion/ Sediment Control	SWPPP for public works projects Mohave County Public Works Mohave County Flood Control District	Create and Implement a system for developing an SWPPP with BMPs for erosion and sediment control for Mohave County Public Works Projects. The number of construction sites that implemented the system will be documented in the Annual Report.	03/17
Inventory	GIS Mapping of Construction Sites. Mohave County Flood Control Mohave County Development Services	Create a GIS layer of the construction sites located within the MS4 and the number of sites that required the implementation of a SWPPP. The number of sites will be documented in the Annual Report.	03/18

MCM 4: Construction Activity Stormwater Runoff Control

Use this space to add any additional information about MCM4:

Rjonn Burns – Mohave County Flood Control District, will serve as the main point of contact for overseeing the Construction Activity Stormwater Program aspects of the SWMP.

Tim Walsh – Mohave County Development Services, will oversee the implementation of the Program from the technical review and permit approval perspective.

Les Henley – Mohave County Public Works, will serve as the main point contact for inspections and citations. Mohave County Public Works will also be responsible for the implementation of BMPs for erosion/sediment control and Good Housekeeping practices as part of the SWPPP for public works project sites.

The Mohave County Board of Supervisors serve as the governing body adopting new policies and authorizing legal actions through the Mohave County Attorney's Office when other enforcement options have been exhausted.

A base line inspection schedule for construction sites will be developed as part of the Construction Activity Stormwater Management Program. The final number of inspections will be determined during the review process and will increase based on the factors outlined in Part 6.4.4.2 d. of the Permit.

The public will have the opportunity to comment on the Storm Water Ordinance and the Construction Activity Stormwater Management Program, the review processes and the checklists throughout the life of the permit. The purpose of a continuous comment period is so the Program can keep up with what is occurring in the field as construction is an ever-evolving industry. New techniques, materials and means of controlling sediment are being brought to the market. The Program should account for this dynamic.

G-5. MCM 5: Post-Construction Stormwater Management in New Development and Redevelopment

For MCM 5- Post-Construction Stormwater Management in New Development and Redevelopment, use the pull down menu to indicate the BMP Category (column 1). You may override the selection and type in your own BMP. Include a brief description of the BMP (column 2) including the personnel position or department(s) responsible. Describe the Measureable Goals (column 3) for each BMP. Column 3 should include milestones, timeframes and frequencies. Insert the month and year (MM/YY) in the Start Date (column 4) to indicate the date the BMP was initiated or enter your own text to override the selection.

BMP Category (enter your own text to override the drop down menu)	BMP Description (include personnel position or department responsible)	Measurable Goals (include milestones, timeframes and frequencies)	Start Date (MM/YY) (enter your own text to override the drop down menu)
Inventory	Mohave County Facilities Inventory Procedures Mohave County Public Works Mohave County Flood Control District	Identify and map public facilities located within the MS4 Area during the first year of the permit. The inventory will be summarized as part of the Annual Report.	03/17
Inventory	Mohave County Facilities Inventory Procedures Mohave County Public Works Mohave County Flood Control District	Review, on an annual basis, the list of Mohave County Facilities for the purpose of identifying facilities that might have been relocated within the MS4 areas during the given year. The results are to be published in the Annual Report.	03/18
Training	Annual Training Scheduling Mohave County Flood Control District Mohave County Public Works	Provide annual training to Mohave County Staff on Post-Construction Storm Water Quality Requirements, Best Management Practices and site reviews on both private and public facilities.	09/17
Inspections	Mohave County Post-Construction Stormwater Management Plan Inspections Procedures Mohave County Public Works	Inspect publicly owned and operated facilities to ensure that they meet the requirements of the Post-Construction Stormwater Management Plan. Document the number of inspections and summarize the findings and any action taken as part of the Annual Report.	09/17
Runoff Control Assessment	Mohave County Post-Construction Stormwater Management Plan Mohave County Development Services Mohave County Flood Control District	Require, then collect and review, annual inspection reports from property owners, business owners and HOAs verifying that they are maintaining their Post-Construction Stormwater Controls. Report number of inspection reports collected, and	03/18

		any follow up action taken as part of the Annual Report.	
Enforcement	Regulatory Measure Enforcement Processes Mohave County Public Works	Using the adopted regulations, cite violators of the Post-Construction Stormwater Management Program. If necessary, seek legal action as part of the enforcement process. Number of violations within a given year will be documented in the Annual Report.	09/17
Site Plan Reviews	Site Plan Review processes Mohave County Development Services	As part of the design processes for new public facilities within the MS4 permit area, require a Post-Construction Stormwater Management Plan to be included with the final design/bid package.	09/17
Site Plan Reviews	Site Plan Review processes Mohave County Development Services	As part of the permit application process, require and review a Post-Construction Stormwater Management Plan for new development and redevelopment within the MS4 permit area. The number of site plans reviewed will be documented as part of Annual Report.	09/17
Written Procedures	Regulatory mechanisms for Post-Construction Stormwater Management (i.e. Post-Construction Storm Water Management Program) Mohave County Flood Control District Mohave County Development Services Mohave County Public Works	Create and have adopted Storm Water Ordinance and Post-Construction Stormwater Management Regulations to be implemented as part of the development process within the MS4 area for both public and private facilities. Regulations to include the need for a Post-Construction Stormwater Plan, site inspection scheduling, and enforcement policies. The date of adoption will be documented as part of the Annual Report.	09/17
Choose an item.	Click here to enter text.	Click here to enter text.	Choose an item.
Choose an item.	Click here to enter text.	Click here to enter text.	Choose an item.

MCM 5: Post-Construction Stormwater Management in New Development and Redevelopment

Use this space to add any additional information about MCM5:

Rjonn Burns – Mohave County Flood Control District, will serve as the main point of contact for overseeing the Post-Construction Activity Stormwater Program aspects of the SWMP. This includes not only assisting with training for this program, but all programs listed as part of the SWMP. The District will also be responsible for the inventory of Post-Construction Control measures and ensuring it is up-to-date on an annual basis.

Tim Walsh – Mohave County Development Services, will oversee the implementation of the Program from the technical review and permit approval perspective. His department will also work to educate the public on the Post-Construction Stormwater Management Plan and collect the annual reports from the HOAs, private citizens and business owners.

Les Henley – Mohave County Public Works, will serve as main point contact for inspections and citations. Public Works will also work with the District to develop a Post-Construction Management Plan for existing and future municipal facilities. Once implemented, Mohave County Public Works will be responsible for the long-term operation and maintenance of the post-construction stormwater BMPs implemented at public installations.

The Mohave County Board of Supervisors serve as the governing body adopting new policies and authorizing legal actions through the Mohave County Attorney's Office when other enforcement options have been exhausted.

The public will have the opportunity to comment on the Storm Water Ordinance and the Post--Construction Activity Stormwater Management Program, the review processes and the checklists throughout the life of the permit. The purpose of a continuous comment period is so the Program can keep up with what is occurring in the field as construction is an ever-evolving industry. New techniques, materials and means of controlling sediment are being brought to the market and as such, the Program should account for this dynamic.

G-6. MCM 6: Pollution Prevention and Good Housekeeping			
<p>For MCM 6- Pollution Prevention and Good Housekeeping, Insert the Facility Name applicable to the MS4. Use the pull down menu to indicate the BMP Category (column 1). You may override the selection and type in your own BMP. Include a brief description of the BMP (column 2) including the personnel position or department(s) responsible. Describe the Measureable Goals (column 3) for each BMP. Column 3 should include milestones, timeframes and frequencies. Insert the month and year (MM/YY) in the Start Date (column 4) to indicate the date the BMP was initiated or enter your own text to override the selection. For those BMPs that are not Facility specific, use the rows after the Facility Name inserts.</p>			
BMP Category (enter your own text to override the drop down menu)	BMP Description (include personnel position or department responsible)	Measurable Goals (include milestones, timeframes and frequencies)	Start Date (MM/YY) (enter your own text to override the drop down menu)
Insert Facility Name: County Owned and Operated MS4 Facilities			
Inventory	GIS Map of County Facilities including Municipal Properties Mohave County Flood Control District	During the first year of permit coverage, create a GIS-based map of the MS4 facilities and the Municipal Sites and Yards within the MS4 Area.	03/17
Insert Facility Name: County Owned and Operated MS4 Facilities			
Inspections	Inspection Scheduling Procedures Mohave County Public Works	Inspect, prior to the Summer and Winter Rainy seasons, the MS4 facilities and document action items for the given facility. The date, location and a summary of the action items will be documented as part of the Annual Report.	09/17
Insert Facility Name: County Owned and Operated MS4 Facilities			
O&M Procedures	Maintenance and Clean-up Procedures Mohave County Public Works	Using the action items documented from the twice-a-year inspections, implement a systematic maintenance schedule to remove sediment, debris, trash, and spilled hazardous materials from the facilities. The date the clean-up occurred and a summary of what was removed from the facility will be included as part of the Annual Report.	09/17
Insert Facility Name: County Owned and Operated Roadways			
Street Sweeping	Street Sweeping Schedule Mohave County Public Works	At a minimum, prior to the Summer and Winter Rainy Season, use the County Owned Street Sweepers to remove debris, trash and sediment from the roadways. The date and location of the street sweeping	09/17

		efforts will be documented as part of the Annual Report.	
Insert Facility Name: Municipal Buildings and Yards			
SWPPP	Site Specific Stormwater Management Plans (SS-SWMP) Mohave County Flood Control District Mohave County Public Works	Develop and implement a stormwater management plan for the municipally operated facilities. The plans will include O&M procedures for keeping the site clean of trash, pollutants and hazardous material spills, and a list of structural and non-structural BMPs designed to complement the Post-Construction Storm Water Management Controls. The name of the facility, date the SMWP was implemented, and a summary of the plan will be presented as part of the Annual Report.	03/18
Insert Facility Name: Click here to enter text.			
Choose an item.	Click here to enter text.	Click here to enter text.	Choose an item.
Insert Pollution Prevention and Good Housekeeping BMPs that are not facility specific below			
Reduce Trash/ Floatables	Adopt a Roadway/ERACE Cleanup Events Mohave County Public Works	Organize events that clean up trash and litter in areas inside and adjacent to the limits of the MS4 permit area. It is anticipated that one such event will be scheduled per year. The number and location of the clean up events will be documented in the Annual Report.	09/17
Training	Training Program for Employees Mohave County Flood Control District Mohave County Public Works	Organize training events or open house events for Mohave County employees on the importance of Pollution Prevention and Good Housekeeping at the work place. The type of training, location of the training, and the number of attendees will be documented as part of the Annual Report.	09/17
Choose an item.	Click here to enter text.	Click here to enter text.	Choose an item.
Choose an item.	Click here to enter text.	Click here to enter text.	Choose an item.
Choose an item.	Click here to enter text.	Click here to enter text.	Choose an item.
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Choose an item.	Click here to enter text.	Click here to enter text.	Choose an item.
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MCM 6 Pollution Prevention and Good Housekeeping

Use this space to add any additional information about MCM6:

Rjonn Burns – Mohave County Flood Control District, will serve as the main point of contact for the overseeing the Pollution Prevention/Good House Keeping aspects of the SWMP. This includes working with Mohave County Public Works to develop the SS-SWMP. The District will also be responsible for the inventory of MS4 facilities and Municipal Sites. The District will also train staff on the program, stressing the importance of Pollution Prevention/Good Housekeeping. Mohave County Flood Control District will also be responsible for reporting the accomplishments of the program during the given permit year as part of the Annual Report.

Les Henley – Mohave County Public Works will serve as the main point of contact for implementing Pollution Prevention/Good House Keeping at the MS4 facilities, municipal buildings, and yards. The Public Works Department will also be responsible for insuring the long-term operation and implementation of the Pollution Prevention/Good House Keeping Program, by staffing the required inspections and clean-up efforts.

Only one municipal facility exists within the MS4, eliminating the need for prioritizing facilities. Because the site does not engage in any activities that are associated with the MSGP (non-mining), a separate permit is not needed for this site.

As part of the employee training, all facility personnel will be given access to the SS-SWMP. Facility personnel, over the course of the permit life, will have the ability to compare the processes presented with the potential of making suggestions to the Flood Control District for revisions that would assist in implementation or reflect current site conditions. Any of the revisions, made as a result of this process, would be documented as part of the Annual Report.

H. MONITORING				
1. DRY WEATHER VISUAL OUTFALL MONITORING				
Has a dry weather visual discharge monitoring program been developed?			<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
If the above answer is "yes," provide the actual date of implementation: If the above answer is "no," provide estimated date of completion:			Click here to enter a date. 9/30/2017	
Estimated total number of municipal stormwater outfalls		Percent of total number of municipal stormwater outfalls to be monitored each year		
10		80%		
2.A VISUAL STORMWATER DISCHARGE MONITORING				
Below identify a minimum of five outfalls or field screening points for the visual stormwater discharge monitoring program				
Outfall or field screening point identification number	Name of receiving water		Is the receiving water listed as an Impaired, Not-Attaining or OAW (choose one)?	
1UW3-O1	Unnamed Wash 1 (West of London Bridge Road)		No	
1UW4-O1	Unnamed Wash 4 (South of Havasu Garden Estates)		No	
1UW6-O1	Unnamed Wash 6 (South of Lake Havasu Mobile Home Estates)		No	
2MB-O1	Outfall at Mockingbird Channel (South of Horizon Six Subdivision)		No	
2MB-O1	Outfall at Unnamed Tributary to Mockingbird Channel (East of Horizon Six Subdivision)		No	
2.B VISUAL STORMWATER DISCHARGE MONITORING ALTERNATIVE				
Are you proposing a visual stormwater discharge monitoring alternative?			<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
If "yes" a visual stormwater discharge monitoring alternative is being proposed, provide a description of the proposed alternative and how the proposed alternative is as effective as, or is more effective than, visual stormwater discharge monitoring in the space below.				
Click here to enter text.				
3. IMPAIRED, NOT-ATTAINING AND OAW MONITORING AND BMPS				
Part H.3 is to be completed only if the MS4 has outfalls that discharge to an Impaired, Not-Attaining or Outstanding Arizona Water (OAW), or a combination there of.				
Has a Sampling and Analysis Plan (SAP) been developed in accordance with permit Part 5.1.g?			<input type="checkbox"/> Yes	<input type="checkbox"/> No
If the above answer is "no," provide an estimated date of completion for the SAP:			Click here to enter a date.	
List each individual receiving water that is Impaired, Not-Attaining or an OAW that the MS4 discharges to	How many outfalls	List outfall ID or unique identification	List parameter(s) to be analyzed	Provide a description of how the selected BMPs will specifically address the pollutant(s) causing the

	will be sampled?			impairments or how the BMPS will be protective of the OAW
Click here to enter text.		Click here to enter text.	Click here to enter text.	Click here to enter text.
Click here to enter text.		Click here to enter text.	Click here to enter text.	Click here to enter text.
Click here to enter text.		Click here to enter text.	Click here to enter text.	Click here to enter text.
Click here to enter text.		Click here to enter text.	Click here to enter text.	Click here to enter text.
Click here to enter text.		Click here to enter text.	Click here to enter text.	Click here to enter text.

I. NOTES AND ADDITIONAL INFORMATION

Use the space below to provide any additional information about the MS4 program.
 Click here to enter text.

J. FEES

Fill out either Part A for a New Permittee or Part B for an Existing Permittee. If a New Permittee, choose one check box below to indicate the MS4s population and applicable initial permit fee. Insert the total payment included with the NOI in the text box. If an Existing Permittee, choose one check box below to indicate the MS4s population. Note: The estimated MS4 population should be based on latest Decennial Census by the Bureau of Census.

<p>Part A</p> <p><input checked="" type="checkbox"/> New Permittee. I confirm the correct fee payment is included with the NOI.</p> <p><input checked="" type="checkbox"/> <or = to 10,000: \$2,500 <input type="checkbox"/> >10,000 but ≤ 100,000: \$5,000 <input type="checkbox"/> > 100,000: \$7,500 <input type="checkbox"/> Non-traditional MS4 such as hospital, college or military: \$5,000</p> <p>Total fee payment included: \$2,500</p>	<p>Part B</p> <p><input type="checkbox"/> Existing Permittee. No fee is required for NOI submission. You will continue to be invoiced on your current annual fee billing cycle.</p> <p><input type="checkbox"/> <or = to 10,000 <input type="checkbox"/> >10,000 but ≤ 100,000 <input type="checkbox"/> > 100,000 <input type="checkbox"/> Non-traditional MS4 such as hospital, college or military</p>
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K. CERTIFICATION

Pursuant to A.R.S. § 41-1030:

(1) ADEQ shall not base a licensing decision, in whole or in part, on a requirement or condition not specifically authorized by statute or rule. General authority in a statute does not authorize a requirement or condition unless a rule is made pursuant to it that specifically authorizes the requirement or condition.

(2) Prohibited licensing decisions may be challenged in a private civil action. Relief may be awarded to the prevailing party against ADEQ, including reasonable attorney fees, damages, and all fees associated with the license application.

(3) ADEQ employees may not intentionally or knowingly violate the requirement for specific licensing authority. Violation is cause for disciplinary action or dismissal, pursuant to ADEQ’s adopted personnel policy. ADEQ employees are still afforded the immunity in A.R.S. §§ 12-821.01 and 12-820.02.

I certify under penalty of law that I have met the eligibility conditions of this permit and that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, I certify that the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I certify that I am aware that there are



significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Printed Name:
Timothy M. Walsh Jr.

Title:
Mohave County Development Services
Director

Ink Signature


Date:
3/29/2017

Attachment 4 - Mohave County Building Safety Codes

Sections XX – XX

(To be added)

Draft



Attachment 5 - Revised Mohave County Stormwater Ordinance

Sections XX – XX

(To Be Added)

Draft



Attachment 6 - Revised Mohave County Flood Control Ordinance

Sections XX – XX

(To Be Added)

Draft



Attachment 7 - Mohave County Review Checklists

Sections XX – XX

(To Be Added)

Draft



Attachment 8 - Mohave County IDDE Program
(To Be Added)

Draft



Attachment 9 - Mohave County Construction and Post-Construction Stormwater Management Program for Development and Redevelopment

(To Be Added)



Attachment 10 - Mohave County Pollution Prevention and Good Housekeeping Plan

(To Be Added)

