

Stormwater Management Plan



**Maricopa County
Environmental Services Department
Quality and Compliance Division
Stormwater Quality Program**



**Prepared for:
Maricopa County**

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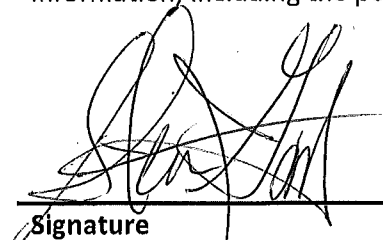
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Acronyms

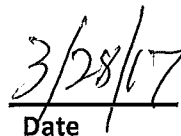
ADEQ	Arizona Department of Environmental Quality
AQ	Maricopa County Air Quality Department
BMP	Best Managing Practice
EQSR	Maricopa County Equipment Services Department
ESD	Maricopa County Environmental Services Department
FACILITIES	Maricopa County Facilities Department
FCD	Maricopa County Flood Control Department
MC	Maricopa County
MCDOT	Maricopa County Department of Transportation
MCM	Minimum Control Measure
MEP	Maximum Extent Practical
P&D	Maricopa County Planning and Development Department
PARKS	Maricopa County Parks Department
RISK	Maricopa County Risk Management Department
MCSO	Maricopa County Sheriff's Office
TMDL	Total Maximum Daily Load
WLA	Waste Load Allocation
WoUS	Water of the United States
WRR	Maricopa County Waste Resources and Recycling
STORM	ST ormwater O utreach for R egional M unicipalities
SWQP	Stormwater Quality Program

1.0 Certification Statement

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 the 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.



 Signature



 Date

Steven Goode

 Name (printed)

Director

 Title

2.0 Introduction

This Stormwater Management Plan (SWMP) was created in response to the Arizona Pollutant Discharge Elimination System (AZPDES) General Permit AZG2016-002. The SWMP is the principal means in which Maricopa County (County) has recorded programs and policies to demonstrate full permit compliance. Under the general permit, the County must implement actions and activities that demonstrate compliance with permit requirements. These actions are called Minimum Control Measures (MCMs) and include:

1. Public Education and Outreach
2. Public Involvement and Participation
3. Illicit Discharge Detection and Elimination
4. Construction Site Runoff Control
5. Post-Construction Runoff Control
6. Pollution Prevention & Good Housekeeping for Municipal Operations

The County has developed Best Managing Practices (BMPs) for each MCM. Each MCM and their corresponding BMPs are outlined and detailed in Section 6.0 of this SWMP.

2.1 Regulatory Information

The County is empowered to enact a stormwater regulation pursuant to A.R.S. 11-251 (66) and A.R.S. 49-371. In 2009, the County adopted the Maricopa County Stormwater Quality Management and Discharge Control Regulation to be in compliance with the Environmental Protection Agency (EPA) finalized rule that requires certain small municipal separate storm sewer systems (MS4s) to participate in the National Pollutant Discharge Elimination System (NPDES) Program. This regulation is designed to implement and enforce a program to improve to the maximum extent practicable the quality of Stormwater in the County's Stormwater conveyance system within the unincorporated urbanized area of the County.

The County has developed and Enforcement Response Plan (ERP) that has the minimum components as described in section 3.3 of the general permit. The ERP is a tool that aids County personal in applying regulatory authority with uniformity. The ERP has been created and is maintained as a Maricopa County Environmental Services Stormwater Quality Standard Operating Procedures.

2.2 Geographic and System Setting

Maricopa County is located in central Arizona. With approximately 4.1 million residents, it is the most populous county in the state, according to the 2015 U.S. census. The County's area is 9,200 square miles, of which 149 miles are considered urbanized unincorporated. Located in Arizona's Sonoran Desert, which is characterized by long, hot summers and short, mild winters. Precipitation in the County averages 7.5 inches per year (based on 50 years of rainfall data), and falls primarily during the summer monsoon season and during winter storms. The major rivers that flow through Maricopa County are the Salt, Gila, and Verde rivers. The confluence of the Salt and Gila rivers, which drain most

of eastern Arizona, is located in western Maricopa County. The Verde River, which drains much of north-central Arizona, joins the Salt River just east of the Phoenix metropolitan area. The Salt and Gila rivers are effluent-dominated streams west of Phoenix and are generally dry in the Phoenix metropolitan area due to the presence of upstream impoundments.

The Flood Control District of Maricopa County (FCDMC) is responsible for flood control in Maricopa County. This includes some areas within municipal boundaries but is mainly outside of municipal corporate boundaries. The FCDMC owns and maintains 22 flood control dams and maintains over 80 flood control structures. The FCDMC also provides erosion and vegetation control, maintains roads and signage, and ensures that flood control structures comply with environmental laws and regulations. The FCDMC's Capital Improvement Program is responsible for structural flood controls and operates in partnership with numerous municipalities in Maricopa County. Since 1990 the FCDMC has been emphasizing floodplain management and non-structural flood controls rather than structural flood controls such as dams and drainage channels.

The primary cities in Maricopa County are Phoenix, Scottsdale, Mesa, Chandler, Tempe, Gilbert, Glendale, Paradise Valley, Surprise, Carefree, Cave Creek, Goodyear, Fountain Hills, Avondale, Buckeye, Litchfield Park, Anthem, Laveen, Wickenburg, El Mirage, Tolleson, Gila Bend, Wittman and Youngtown.



2.3 Receiving Waters

The majority of outfalls are located within the UUA discharge to tributaries of larger receiving waters. Frequently, these tributaries are not listed in A.A.C. R18-11, Appendix B. In situations where outfalls discharge into waters that are not listed in A.A.C. R18-11, Appendix B, the receiving water is listed as “unnamed wash” provided a name is not available. The listing of outfalls to receiving waters is detailed in Attachment E.

2.4 Outfalls

When this SWMP was drafted the Stormwater Program has identified 394 outfalls. These outfalls are geographically dispersed amongst the 149 square miles in the Maricopa County Unincorporated Urbanized area. A complete list of outfalls and their coordinates can be found in Attachment E.

2.4.1 Representative Outfalls

The County rationally selected 5 outfalls to be considered Representative Outfalls. The Representative Outfalls and their coordinates can be found in Attachment E.

3.0 Mapping

The County will finalize Storm Sewer System Mapping by 9/29/2017. The County’s MS4 map has the minimum components described in section 4.1 of the general permit. The County is dedicated to system mapping and has chosen to add elements, features and additional components that are not required by the general permit. It is the goal of The County to maintain and update the most effective and accurate map as possible. The County’s MS4 map is available on the County’s GIS system.

Storm Sewer System Map updating will be done on an annual basis. The County faces many challenges in system mapping as acreage is lost due to annexations and added acreage due to the Federal Decennial Census. Most recently, The County MS4 urbanized area has been updated per the 2010 federal census. The 2010 census data was available from the Federal Census Bureau in May of 2012. The new census data increased the Unincorporated Urbanized Area (UUA) from 80 square miles to 150 square miles. A map excerpt can be found in Attachment F.

4.0 Discharges that Exceed Surface Water Standards and Monitoring Requirements

The general permit in section 5.1 and 7.1 requires procedures for monitoring discharges that exceed surface water standards. At this time, The County does not discharge waters that cause or exceed applicable surface water quality standards. At this time, mandated monitoring is not required for the following reasons: The County does not discharge into Outstanding Arizona Waters or to impaired waters listed on the Arizona’s 303(d) list.

Illicit non-stormwater drainage and connections and exemptions are defined in the Maricopa County Stormwater Quality Management and Discharge Control Regulation Chapter 5. The following non-stormwater discharges are prohibited only if they are identified as a significant contributor of pollutants to the MS4.

- Water line flushing
- Landscape irrigation
- Diverted stream flows
- Rising ground waters
- Uncontaminated ground water infiltration
- Uncontaminated pumped groundwater
- Discharges from potable water sources
- Foundation drains
- Air conditioning condensate
- Irrigation water
- Springs
- Water from crawl space pumps
- Footing drains
- Lawn watering
- Individual residential car washing
- Discharges from riparian habitats and wetlands
- Dechlorinated swimming pool discharges
- Street wash water
- Discharges or flows from firefighting activities

4.1 TMDLs and WLAs

The general permit requires in section 5.1, listing of outfalls that discharge to waterbodies that have applicable TMDLs and WLAs. At this time, the County does not discharge into waterbodies that have applicable TMDLs or WLAs.

4.2 Analytical Monitoring Programs for Impaired Waters

The general permit requires in section 7.0 analytical monitoring programs for impaired waters. At this time the County does not discharge into waterbodies that are listed as being impaired.

The general permit allows ADEQ to require analytical monitoring if a written notification is provided. In response, the County has developed and will maintain as needed a Sampling Analysis Plan with all of the necessary components outlined in section 5.1 of the general permit. The Sampling Analysis Plan is written and recorded as a Maricopa County Stormwater Quality Program Standard Operating Procedure.

5.0 SWMP and Reporting

The overall duty of implementing the SWMP is the responsibility of the County Board of Supervisors. Executing the SWMP is complex and requires coordination among many departments and programs. Responsible departments are listed in section 6.0 of this SWMP. Each BMP created specifically states the responsible party. Additionally, a Statement of IDDE Program Responsibilities has been drafted. This document supplements the SWMP and provides further details regarding the breakdown of responsibilities.

Records associated with implementing the SWMP and records used for creating the annual report are stored according to record disposition timeframes.

5.1 Annual Reporting and Modification

An annual report will be submitted to ADEQ by September 30th each year for the reporting period July 1st through June 30th. The annual report will include components a-n, as listed in section 8.4 of the general permit. The annual report will include a self-evaluation to be in compliance with section 8.1.1 of the general permit. In addition, any BMP modifications will be reported annually and will be recorded in the SWMP Amendment Record.

The annual report is submitted to:

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

5.2 Other Reporting

Additional reporting may be required by ADEQ. Additional reports may include Discharge Monitoring Reports (DMRs) and other reporting requirements as prescribed by ADEQ.

6.0 Control Measures

Maricopa County's Stormwater Management Program (SWMP) is designed to address the need to prevent or reduce discharges of pollutants to Waters of the U.S. The Program specifically considers the six Minimum Control Measures (MCMs) as required in 40 CFR 122.34 for small municipal separate storm sewer systems (MS4s). The MCMs are:

1. Public education and outreach
2. Public involvement/participation
3. Illicit discharge detection and elimination
4. Construction site runoff control
5. Post-construction stormwater management
6. Pollution prevention/good housekeeping

The proposed best management practices (BMPs) address the required elements within the regulations, are appropriate for Maricopa County's stormwater system, are measurable, are anticipated to make improvements in the County's stormwater quality, and are achievable. For each BMP, the appropriate measurable goals are delineated along with a schedule including an indicated frequency of planned actions, and a date by which BMP implementation will be established

6.1 Public Education and Outreach

Maricopa County will reach out to the public and provide education about the impacts of stormwater pollution and about steps that members of the community can take to prevent pollution in stormwater runoff. This measure recognizes that the best long-term strategy for protecting stormwater quality is prevention. Once pollutants enter stormwater runoff, treatment can be expensive and impractical. Prevention ultimately rests with changing the behavior of citizens, businesses, and organizations across the community. The County will procure and obtain free stormwater education materials to distribute to County residents, maintain an active website, provide multimedia outreach and maintain a general population and student audience education and outreach program.

The education and outreach program seeks to reach a broad cross-section of Maricopa County's population. Targeted audiences include:

- The general public, providing information on general pollution prevention at home and work.
 - Materials are provided in English and Spanish to better serve the population.
- School aged children because they are impressionable and providing stormwater education during this time is critical for long term retention.

To ensure outreach messages remain effective, messages will be reviewed and modified as needed.

The County has developed 5 BMPs that are outlined below that will satisfy to the greatest extent MCM 1, Public Education and Outreach.

BMP Category	BMP Description	Measurable Goals	Start Date
1.1 - Educational Materials	The Environmental Services Department will distribute print material, brochures, promotional items and other items to increase awareness of stormwater pollution prevention.	Ensure the distribution of 500 educational materials annually. The general public, commercial and residential activities are the targeted audience.	12/2006

BMP Category	BMP Description	Measurable Goals	Start Date
1.2 - Webpage	The Environmental Services Department will maintain a website that provides useful information to the public on stormwater pollution prevention.	Ensure the website is maintained with current and useful information. The general public, commercial and residential activities are the targeted audience.	12/2006
1.3 – Multimedia Outreach	The Environmental Services Department will maintain multimedia activities that include but are not limited to newspapers articles and ads, Facebook outreach, movie advertisements and more.	The multimedia outreach activities will be provided for at least 4 weeks. The general public is the targeted audience.	12/2006
1.4 - Modification of Ineffective Messages	The Environmental Services Department will review, modify and record modifications of any ineffective messages	A report titled, Annual Summarization of Outreach Programs will be created and submitted to the program supervisor each year. A tool called the Efficiency Matrix has been developed and can be used as a tool to aid in creating the report. The report will be used to assess the effectiveness of outreach messages. All modifications of messages will be recorded and reported in the annual report	2/1/2017

BMP Category	BMP Description	Measurable Goals	Start Date
1.5 – Outreach Events	The Environmental Services Department will maintain a student audience and general public outreach event program.	Manned educational booth events will be held each year. The name of the event, message and estimated number of people reached will be reported annually. The school outreach program is driven by school demand; therefore, no minimum number of educational programs can be set. The quantity of educational programs will be recorded and reported. The target audience for outreach events is the general public with a primary emphasis on school aged children.	12/2006

6.2 Public Involvement and Participation

Maricopa County continues to provide an opportunity for the public to participate in developing and implementing its stormwater management program. The County recognizes the benefits of directly involving the County's residents in its stormwater program. Many residents are dedicated to providing input to the County on a wide range of issues and are willing to serve as volunteers in cleanup events and other activities that promote a healthy environment.

In addition to acknowledging the importance of preventive measures, this measure recognizes that the more that the public understands and is involved with the community's efforts to protect water quality, the more likely they will support allocating resources toward water quality management. The County will continue to encourage public involvement by making records available online, holding a stakeholder workshop, hosting an annual stormwater related poster contest and managing/participating in clean-up events, such as Maricopa County Department of Transportation's Adopt-A-Highway Program.

The County has developed 5 BMPs that are outlined below that will satisfy to the greatest extent MCM 2, Public Involvement and Participation.

BMP Category	BMP Description	Measurable Goals	Start Date
2.1 - Public Records Made Available	The Environmental Services Department will make available the SWMP, Annual Report and other records online.	The Stormwater Quality Website with information that includes the SWMP, NOI, Annual Report and other records will be maintained and updated. The number of website downloads will be reported annually.	12/2006
2.2 - Public Participation of the SWMP	The Environmental Services Department will host a stake holder workshop annually.	The date of the stake holder workshop and the number of attendees will be reported annually.	12/2006
2.3 - Public Participation Through Surveys	The Environmental Services Department will provide surveys to the general public. These surveys are used to help spread the message of stormwater pollution prevention and aids in providing feedback to the Maricopa County Stormwater Quality Program.	The amount of surveys provided and the amount of surveys received will be reported annually.	12/2009
2.4 - Public Participation Through a Stormwater Related Contest for School Children and Local Communities.	The Environmental Services Department will organize at least 1 stormwater related contest annually.	The participation in the stormwater related contest will be recorded and reported annually, which will include the number of participants, submittals and other applicable data.	12/2009

BMP Category	BMP Description	Measurable Goals	Start Date
2.5 - Public Involvement Activities	The Environmental Services Department and the Department of Transportation will encourage public involvement in activities such as participation in the stormwater contest for school children and local communities and participation in clean-up events.	Public involvement activities will be recorded and reported annually. Items to be reported annually will include the number of cleanup activities, number of private sponsors and the number of volunteer participants.	12/2011

6.3 Illicit Discharge Detection and Elimination (IDDE Program)

The illicit discharge detection and elimination program includes a regulatory mechanism that prohibits, to the extent possible under state and local law, non-stormwater discharges into the MS4, including appropriate enforcement procedures and actions. Illicit non-stormwater drainage and connections and exemptions are defined in the Maricopa County Stormwater Quality Management and Discharge Control Regulation Chapter 5. In addition, the County has developed an inspection plan for detecting non-stormwater discharges, including illegal dumping, into the MS4, with the goal of removing the illicit discharges and identifying the responsible party for dumping into the stormwater system. Other components of the IDDE program include an employee education program, general public awareness and education provisions, IDDE program self-evaluations, a complaint hotline and a reporting mechanism to inform ADEQ of facilities and activities that require Multi Sector General Permits.

The program includes a storm sewer map that shows the location of all outfalls, as well as the names and locations of all Waters of the United States that receive discharges from those outfalls. Outfalls will receive reoccurring dry weather and wet weather screening inspections that assists in identifying and eliminating illicit discharges. Twenty percent of all outfalls will be inspected on an annual basis, which includes both dry and wet weather screenings. At a minimum, two (2) wet weather screening events will be conducted.

The County has developed 13 BMPs that are outlined below that will satisfy to the greatest extent MCM 3, Illicit Discharge Detection and Elimination (IDDE) Program.

BMP Category	BMP Description	Measurable Goals	Start Date
3.1 - Implement IDDE Program. Definitions and Prohibitions	The Environmental Services Department will develop an illicit discharge and improper disposal detection and elimination program.	The County will maintain and update the multifaceted Illicit Discharge and Improper Disposal Detection and Elimination Program through an inspection program. The County has defined what constitutes an illicit discharge in the Maricopa County Stormwater Quality Management and Discharge Control Regulation and the most recent Stormwater Management Plan.	12/2009
3.2 - Stormwater Sewer Mapping	The Environmental Services Department and the Flood Control District of Maricopa County will maintain a storm sewer system map with locations of outfalls and receiving WoUS.	Stormwater system mapping is in progress and will be completed before September 30, 2017. The entire jurisdictional area has received inspection activities and all Receiving Waters have been identified and mapped. The majority of all stormwater structures and outfalls have been identified and all remaining will be identified in the process of system mapping. To ensure map completion, the County has identified all areas remaining to be mapped and will track and record the amount of square miles mapped on a monthly basis.	12/2009

BMP Category	BMP Description	Measurable Goals	Start Date
3.3 - Eliminating Illicit Discharges	The Environmental Services Department will enforce the Maricopa County Stormwater Quality Management and Discharge Control Regulation through enforcement actions as detailed in the regulation and through enforcement procedures enacted by the Environmental Services Enforcement Program.	The number of citations and legal actions issued will be reported annually.	12/2009
3.4 - Legal Authority	The Environmental Services Department will review and update if needed the Maricopa County Stormwater Quality Management and Discharge Control Regulation.	Any modifications will be recorded and reported annually.	12/2009
3.5 - Statement of Responsibilities	The Environmental Services Department will create and maintain a Statement of Responsibilities, which will be drafted and maintained.	A Statement of Responsibilities has been drafted and will be maintained over time. This document is called the Communication Plan Statement of IDDE Program Responsibilities.	11/2015
3.6 – Complaint Hotline	The Environmental Services Department and the Maricopa County Department of Transportation will maintain a complaint hotline.	All complaints will be investigated and responded to within 15 days of the complaint received date. The number and type of complaints will be recorded and reported annually.	12/2009

BMP Category	BMP Description	Measurable Goals	Start Date
3.7 – Educational Materials	The Environmental Services Department will create and distribute educational materials and pamphlets.	At least 5,000 educational and stormwater pollution prevention pamphlets and brochures and other forms of outreach will be distributed annually. The type and number of educational materials distributed will be recorded and reported annually.	12/2009
3.8 - Visual Outfall Monitoring	The Environmental Services Department will maintain a visual outfall monitoring program.	A minimum of 20% of all outfalls will be inspected annually. The number of inspected outfalls, violations and re- inspections will be recorded and reported annually. Written outfall procedures and reports will be stored on the Stormwater Geographical data base.	12/2009
3.9 - Visual Wet Weather Outfall Monitoring	The Environmental Services Department will develop and implement a wet weather outfall monitoring program.	Five (5) representative outfalls will be identified for the visual wet weather monitoring program. Each representative outfall will be inspected twice (2) during each wet season. The number of outfalls inspected, violations and re- inspections will be recorded and reported annually. Written outfall procedures and reports will be stored on the Stormwater Geographical Information System Data Base. The visual wet weather monitoring program will be implemented by February 2017.	2/2017

BMP Category	BMP Description	Measurable Goals	Start Date
3.10 - I Indicators of IDDE Program Progress	The Environmental Services Department will conduct a self-evaluation annually.	The self-evaluation will include tracking employee performance standards and managing for results standards. Other indicators, such as complaint response times, public survey responses and analyzing complaints may also be incorporated into the self-evaluation. The findings will be recorded and reported annually. The first report will be made available the next reporting year.	9/2017
3.11 - Training	The Environmental Services Department will incorporate IDDE training into existing pollution prevention and good housekeeping training in the county-wide employee education and training program.	The number of training and educational sessions conducted and the number of employees trained will be recorded and reported annually. The training program was initiated in 2009. This program will be evaluated and updated to ensure permit compliance.	12/2009
3.12 - Unpermitted (illicit) Discharges to the MS4	The Environmental Services Department will create and implement a program to find facilities and activities that discharge to the MS4 without AZPDES/NPDES permit coverage.	A list of AZPDES/NPDES permit holders will be created, mapped and stored on the stormwater GIS database. List will be subject to periodic review to verify the status of permit coverage using online audit tools. During routine inspections of the County owned MS4, commercial facilities that appear to need permit coverage will be flagged for further investigations. Facilities will be contacted in the form of a letter or email and a list of all facilities that are contacted will be sent to ADEQ on an annual basis. This program was initiated in June of 2016.	6/2016

6.4 Construction Site Stormwater Runoff Control

Maricopa County has adopted regulations known as the Maricopa County Stormwater Quality Management and Discharge Control Regulation to control erosion and sedimentation on new or development sites that affect one acre or more. The program consists of a combination of legal requirements, technical guidance materials, inspections, plan review, enforcement provisions, and an educational initiative. In addition, the program incorporated provisions for responding to the public through a complaint hotline.

The County will maintain and update as needed rules, regulations and legal authority that require controls at construction sites, ensuring that they address activities that disturb one acre or more and they are sufficient to control the potential for pollutant contamination of stormwater runoff. The County will continue to educate the development community by offering educational material. The County will maintain site plan review procedures and enforcement provisions to ensure the continuation of the construction site stormwater inspection program.

The County has developed BMPs that are outlined below that will satisfy to the greatest extent MCM 4, Construction Site Stormwater Runoff Control.

BMP Category	BMP Description	Measurable Goals	Start Date
4.1 - Legal Authority for Construction Activity Compliance	The Environmental Services Department will maintain legal authority to enforce stormwater runoff during construction activities.	The Environmental Services Department has adopted the Maricopa County Stormwater Quality Management and Discharge Control Regulation. This regulation will be evaluated annually for compliance and any new rules or newly adopted legal authority will be reported annually.	12/2009

BMP Category	BMP Description	Measurable Goals	Start Date
4.2 - Ordinance for Erosion Control Practices	The Environmental Services Department and the Flood Control District of Maricopa County will maintain an ordinance that requires the use of sediment and erosion control practices.	The Environmental Services Department has adopted the Maricopa County Stormwater Quality Management and Discharge Control Regulation and the Flood Control District of Maricopa County has adopted the Drainage Design Manual (Erosion Control). Ordinances will be reviewed and updated as needed for compliance. Any updates will be reported annually.	12/2009
4.3 - Inventory	The Environmental Services Department will create and maintain an inventory of construction activities.	An online inventory of all construction activities was developed in June of 2016. This online inventory will be maintained and updated annually. The online inventory is stored and maintained in the Stormwater Program's Geographical Information Systems Data Base.	6/2016
4.4 - Written Procedures for Site Inspection	The Environmental Services Department will formalize written procedures in the form of Standard Operating Procedures.	Site inspection procedures have been in place since 2009. Standard Operating Procedure SW-001 was created May 11, 2010 and updated November 3, 2015. SW-001 will be updated by February 2017 to incorporate a prioritization schedule.	12/2009
4.5 - Re-Inspection and Enforcement Procedures	The Environmental Services Department will maintain re-inspection and enforcement procedures.	Re-inspection and enforcement procedures are outlined and detailed in SOP: SW-001 and in the Maricopa County Stormwater Quality Discharge and Control Regulation.	12/2009

BMP Category	BMP Description	Measurable Goals	Start Date
4.6 - Site Plan Review Procedures	The Environmental Services Department will create and maintain site plan review procedures.	Site plan review procedures have been established since 2009 and updated in SOP:SW-001.	12/2009
4.7 - Site Plan Review	The Environmental Services Department will record the number of permit applications received and reviewed.	The number of applications received and reviewed will be recorded and reported annually.	12/2009
4.8 - Training	The Environmental Services Department will develop, implement and incorporate into the existing training program, education and training specifically on construction activity stormwater runoff for employees who conduct activities related to implementing the construction stormwater program.	At a minimum, 1 training event will be held annually. The number of trainings held and the number of staff trained will be reported annually. Training program will be developed and implemented by February 2017.	2/2017
4.9 - Education/ Public Involvement	The Environmental Services Department will make available educational materials for the development community.	An active webpage with educational material will be maintained. The number of webpage hits and the quantity and type of educational materials distributed will be tracked and reported annually.	12/2009
4.10 - Education/ Public Involvement	The Environmental Services Department will host a stake holder workshop annually.	At a minimum, 1 stake holder workshop will be held annually. The number of workshops and the number of participants will be recorded and reported annually.	12/2009

BMP Category	BMP Description	Measurable Goals	Start Date
4.11 - Tracking and Recordkeeping	The Environmental Services Department will maintain a tracking and recordkeeping program for the construction program.	The number of construction inspections, re-inspections, and violations documented and the number of enforcement actions will be recorded and reported annually.	12/2009
4.12 - Complaint Response Program	The Environmental Services Department will maintain a complaint response (hotline) program.	The number of complaints received will be recorded and reported annually. The Environmental Services Department will respond and investigate all complaints within 15 days of the complaint received date.	12/2009

6.5 Post Construction Stormwater Management

The County maintains a program to manage post-construction stormwater runoff controls that includes education and inspection. The post-construction BMP inspection program ensures that structural and non-structural BMPs are constructed/implemented as approved for use and ensures they are maintained over time. The County maintains a policy addressing maintenance responsibilities for post-construction structural BMPs as well as policies and procedures for routine inspections by the County staff. The program addresses two key components: assurance that the BMPs approved for each new or redevelopment project are built to standards and that the owner/operator of structures are maintained over time. Site inspections are conducted to ensure that, during development and redevelopment, post-construction stormwater management is being addressed through proper design, implementation, operation, and maintenance. The education program consists of creating and distributing educational materials to the development community and the general public. The County will utilize the webpage, printed materials and onsite visits for distribution.

Existing Maricopa County regulations require that developments receive and retain stormwater volume generated by a two-hour, 100-year precipitation event. Retention basins are required to be located not less than 25 feet from septic systems. Runoff that has been retained onsite must be disposed of within 36 hours by percolation, dry wells, or drainage into an approved drainage way, not to exceed pre-development flows. Disposal of stormwater is considered essential for vector control. The drainage regulations also contain language designed to ensure stability and prevent erosion in hillside developments. An inventory of all post construction stormwater structures is maintained. This inventory fluctuates at properties and land are annexed over time.

The County has developed 5 BMPs that are outlined below that will satisfy to the greatest extent MCM 5, Post Construction Stormwater Management.

BMP Category	BMP Description	Measurable Goals	Start Date
5.1 - Regulatory Mechanism for Post-Construction Stormwater Controls	Maricopa County Planning and Development, Flood Control District of Maricopa County and the Maricopa County Environmental Services Department will maintain and enforce programs to address post-construction stormwater runoff.	Maricopa County has developed and will enforce the following ordinances: Maricopa County Stormwater Quality Management and Discharge Control Regulation, Maricopa County Drainage Policies and Standards, Maricopa County Drainage Regulations, Maricopa County subdivision Regulations and Maricopa County Floodplain Regulations. Legal mechanisms and ordinances will be maintained and updated as needed.	12/2009
5.2 - Technical Guidance and Educational Materials	The Environmental Services Department will develop and distribute technical guidance and educational materials for post construction stormwater management.	Guidance and educational materials will be made available on the Stormwater webpage. At least 500 guidance and educational materials will be distributed annually. The number of materials distributed and the number of webpage hits and downloads will be recorded and reported annually.	12/2009
5.3 - Site Plan Reviews	The Environmental Services Department will implement and maintain a site plan review process.	A staff of at least 1 will be assigned to conduct post construction plan reviews. The number of staff performing reviews and the number of applications received and reviewed will be recorded and reported annually.	12/2009

BMP Category	BMP Description	Measurable Goals	Start Date
5.4 - Inspections	The Environmental Services Department will maintain the post construction inspection program.	Post-construction permits will be inspected annually. The number of post-construction inspections, the number of violations observed, number of corrective actions and any enforcement actions will be recorded and reported annually.	12/2009
5.5 - Inventory	The Environmental Services Department will maintain an up to date inventory of post-construction structural stormwater control measures.	An inventory of post-construction structural stormwater control measures has been developed and will be maintained. Inventory is stored both in paper application format and is also available on the Geographical Information System database.	6/2016

6.6 Pollution Preventions/Good Housekeeping for Municipal Operations.

Maricopa County has instituted a number of programs, policies and procedures to ensure good housekeeping and appropriate pollution prevention at County facilities and by County employees. Maricopa County is self-insured for liability issues related to environmental compliance as well as handling and storage of materials. The County's policy is that all legal requirements regarding pollution prevention and good housekeeping must be met. Additionally, Maricopa County Risk Management provides environmental management services to reduce or eliminate hazards and loss.

The County maintains programs that inspect, evaluate and address municipal operating practices and the contribution of stormwater pollutants from municipal sites. As with previous program areas, the ultimate goal is preventing or reducing the contamination of stormwater runoff that leaves municipal sites or is caused by municipal activities. Employee training is an important component of this control measure as the County raises the level of awareness of its employees about both the risks associated with polluted stormwater and ways in which they can protect and preserve water quality.

The Maricopa County Department of Transportation (MCDOT) maintains about 2,500 miles of roads, of which about 400 miles are unpaved. MCDOT maintains a street sweeping program that includes a schedule. Additionally, MCDOT has an Adopt-a-Highway program through which volunteers pick up litter along segments of County highways. The Equipment Services Department operates 4 facilities that maintain an approved Stormwater Pollution Prevention Plan (SWPPP) and the Waste Resources and Recycling Management Department operates 6 facilities that maintain an approved SWPPP. Each facility that maintains a SWPPP has a site supervisors to ensure permit compliance and to ensure good housekeeping activities are conducted. The facilities are:

- Equipment Services Southwest Service Center.
- Equipment Services Durango Service Center.
- Equipment Services North Valley Service Center.
- Equipment Services Southeast Service Center.
- Waste Resources and Recycling Management Morristown Transfer Station.
- Waste Resources and Recycling Management New River Transfer Station.
- Waste Resources and Recycling Management Hassayampa Transfer Station.
- Waste Resources and Recycling Management Rainbow Valley Transfer Station.
- Waste Resources and Recycling Management Cave Creek Transfer Station.
- Waste Resources and Recycling Management Aguila Transfer Station.

The County has developed the following BMPs that are outlined below that will satisfy to the greatest extent MCM 6, Pollution Prevention and Good Housekeeping for Municipal Operations.

BMP Category	BMP Description	Measurable Goals	Start Date
6.1 - Street Sweeping	The Department of Transportation will maintain a regular street sweeping program	The number of miles swept will be recorded and reported annually. The current frequency and schedule for street sweeping is as follows: 16 weeks for arterial streets 8 weeks for residential streets 2 weeks for special cycle streets	12/2009

BMP Category	BMP Description	Measurable Goals	Start Date
6.2 - Inventory	The Environmental Services Department, Risk Management and Equipment Services will keep an inventory of all county owned or leased facilities.	The inventory will be maintained and updated annually.	12/2011
6.3 – Facility Prioritization	The Environmental Services Department will prioritize facilities through an internal evaluation based on their associated risk of potential pollutant discharge	The priority facility inventory was created in June of 2016. This inventory will be maintained and updated annually.	6/2016
6.4 - Inspections	The Environmental Services Department and the Equipment Services Department will maintain an inspection program for County owned or leased facilities.	A minimum of 20% of all facilities will be inspected annually by the Environmental Services Department. The Equipment Services Department will maintain a regular inspection program of 4 facilities that receive inspections daily, quarterly and annually.	12/2011
6.5 - Priority Inspections	The Environmental Services Department will maintain an inspection program for Priority Facilities.	100% of all priority facilities will be inspected annually by the Environmental Services Department.	6/2016
6.6 - Training	The Environmental Services Department, Risk Management, Department of Transportation and Flood Control will provide training materials to staff involved in the implementation of a SWPPP, the Maricopa County SWMP or a practice that is related to Stormwater Pollution Prevention.	A minimum of 2 educational workshops will be provided. The number of workshops provided and the number of attendees will be recorded and reported annually.	12/2009

BMP Category	BMP Description	Measurable Goals	Start Date
6.7 - Maintenance and Inspection	The Department of Transportation and the Flood Control District will maintain a maintenance program of County owned infrastructure. The Environmental Services Department will Maintain the proactive inspection program of the entire MS4 to identify potential sources of pollution.	The Department of Transportation will maintain a fully staffed roadway operation division and the Flood Control District will maintain a fully staffed operation and maintenance division. The Environmental Services Department will maintain staff to preserve the proactive MS4 inspection program.	9/2016

7.0 Signature Requirement

Note: If you have developed a stormwater ordinance during the last reporting period, include a description or citation of the ordinance, or simply attach a copy of the ordinance.

A. 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 the 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.

Signature

Date

Name (printed)

Title

PERMIT

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 be 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.

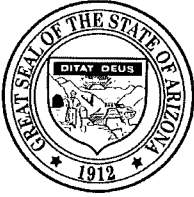
- 25. Municipal separate storm sewer system (MS4)** – all separate storm sewers defined as “large,” “medium,” or “small” municipal separate storm sewer systems or any municipal separate storm sewers on a system-wide or jurisdiction-wide basis as determined by the Director under A.A.C. R18-9-C902(A)(1)(g)(i) 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. A TMDL is prepared and implemented for the surface water;
 - b. 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
 - c. 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)]



Douglas A. Ducey
Governor

ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY



Misael Cabrera
Director

February 8, 2017

Reading file: SWGP17-0050

Maricopa County Environmental Services Department
Attention: Carl D' Acosta
Environmental Services Department
1001 N. Central Avenue, Suite 300
Phoenix, AZ 85004

Re: ADEQ Public Comment of the Maricopa County AZPDES Phase II FY2016 Notice of Intent (N.O.I.)

Dear Mr. D' Acosta:

The Arizona Department of Environmental Quality (ADEQ) received the Maricopa County Municipal Separate Storm Sewer System (MS4), Phase II FY2016/2017 Notice of Intent on 2/8/2017. 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 in accordance with Arizona Pollutant Discharge Elimination System (AZPDES) Small MS4 permit (No. AZG2016-002) permit requirements.

Required Information

Permit Part 9.0, Standard Permit Conditions, requires the town to supply, any information which ADEQ may request to determine compliance with the permit. The town must provide the following:

- No additional information is needed at this time.

How to Submit

Please submit documents sent in response to this letter using one of the following methods:

- Hard copy to ADEQ, Attention: Spencer J. York, Stormwater and General Permits Unit, 1110 W. Washington Street, Phoenix, AZ 85007
- E-mail to: syl@azdeq.gov

Thank you for your efforts to comply with Arizona's environmental requirements. Should you have any comments or questions regarding this matter, please do not hesitate to contact me at (602) 771- 4509 or syl@azdeq.gov.

Sincerely,

A handwritten signature in black ink, appearing to read 'Spencer J. York', written in a cursive style.

Spencer J. York, Project Manager
Stormwater and General Permits Unit



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:

Maricopa County

Choose one:

☒ Existing Permittee

☐

New Permittee

Operator Type:

County

Mailing Address:

301 W. Jefferson St.

County:

Maricopa

City:

Phoenix

State:

Arizona

Zip Code:

85004

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

33.446673

-112.078357

B. PRIMARY MS4 PROGRAM MANAGER CONTACT PERSON

Name:

Carl D'Acosta

Title:

Environmental Health Supervisor

Department:

Environmental Services

Mailing Address:

1001 N. Central Avenue, STE 300

City:

Phoenix

State:

Arizona

Zip Code:

85004

Phone Number:

602-506-6944

Fax Number:

602-506-6862

Email Address:

cdacosta@mail.maricopa.gov

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:

[Click here to enter text.](#)

C. BILLING INFORMATION

Same as Primary MS4 Program Manager Contact Person Information?

If "yes," proceed to Section D.

☐ Yes

☒ No

Name:

Gus Martinez

Title:

Finance Manager

Department:

Environmental Services

Mailing Address:

1001 N Central Ave, STE 401

City:

Phoenix

State:

Arizona

Zip Code:

85004

Phone Number:

602-506-6703

Fax Number:

602-506-5141

Email Address:

gmartinez@mail.maricopa.gov

D. ENFORCEMENT AUTHORITY OR OTHER MECHANISM

Illicit Discharge Detection and Elimination (IDDE) Enforcement Authority or other mechanism established?

☒ Yes

☐ No

Describe IDDE Enforcement Authority or other mechanism:

Maricopa County is empowered to enact a stormwater regulation pursuant to A.R.S. 11-251 (66) and A.R.S. 49-371. In 2009, Maricopa County adopted the Maricopa County Stormwater Quality Management and Discharge Control Regulation. This regulation is designed to implement and enforce a program to improve to the maximum extent practicable the quality of Stormwater in the County's Stormwater conveyance system within the unincorporated urbanized area of the County.

Name of Enforcement Authority or other mechanism:

Maricopa County Stormwater Quality Management and Discharge Control Regulation.

Effective Date or Estimated Date of Adoption:

5/6/2009

Construction Site Stormwater Runoff Enforcement Authority or other mechanism established?

☒ Yes

☐ No

Describe Construction Site Stormwater Enforcement Authority or other mechanism:

Maricopa County is empowered to enact a stormwater regulation pursuant to A.R.S. §11-251 (66) and A.R.S. §49-371. This regulation is called the Maricopa County Stormwater Quality Management and Discharge Control Regulation. Chapter 6 of this regulation is titled "Construction Site Stormwater Runoff Pollution Control".

Name of Enforcement Authority or other mechanism:

Maricopa County Stormwater Quality Management and Discharge Control Regulation.

Effective Date or Estimated Date of Adoption:

5/6/2009

Post-Construction Stormwater Management Enforcement Authority or other mechanism established?

☒ Yes

☐ No

Describe Post-Construction Enforcement Authority or other mechanism: Maricopa County is empowered to enact a stormwater regulation pursuant to A.R.S. 11-251. (66) and A.R.S. 49-371. This regulation is called the Maricopa County Stormwater Quality Management and Discharge Control Regulation. Chapter 11 of this regulation is titled "Post-Construction Stormwater Management".	
Name of Enforcement Authority or other mechanism: Maricopa County Stormwater Quality Management and Discharge Control Regulation	Effective Date or Estimated Date of Adoption: 5/6/2009

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 90%	
<p>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:</p> <p>Stormwater system mapping is in progress and will be completed before September 29, 2017. The entire jurisdictional area has received inspection activities and all Receiving Waters have been identified and mapped. The majority of all stormwater structures and outfalls have been identified and all remaining will be identified in the process of system mapping. To ensure map completion, the County has identified all areas remaining to be mapped and will track and recorded the amount of square miles mapped on a monthly basis.</p>				
2. Outfall Mapping			Percent Complete at time of NOI submission 90%	
<p>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:</p> <p>The majority of all outfalls have been identified and all remaining will be identified in the process of system mapping. All outfalls will be mapped by September 29th, 2017. To ensure map completion, the County has identified the areas remaining to be mapped and will track and recorded the amount of square miles mapped on a monthly basis.</p>				
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%	
<p>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:</p> <p>All Receiving Waters and locations have been identified and mapped.</p>				
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 checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
<p>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.</p>				
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?
Agua Fria	>10	No	na	No
Cave Creek	4	No	na	No
McMicken Wash	6	No	na	No

New River	4	No	na	No
Queen Creek	1	No	na	No
Salt River	4	No	na	No

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)
Educational Materials	The Environmental Services Department will distribute print material, brochures, promotional items and other items to increase awareness of stormwater pollution prevention.	Ensure the distribution of educational materials annually. The general public, commercial and residential activities are the targeted audience. The type and number of educational materials will be reported annually.	12/2006
Webpage	The Environmental Services Department will maintain a website that provides useful information to the public on stormwater pollution prevention.	Ensure the website is maintained with current and useful information. Website activity reported annually. The general public, commercial and residential activities are the targeted audience. The type and number of educational materials will be reported annually. Website activity including the number of page views and downloads will be reported annually.	12/2006
Multimedia Outreach	The Environmental Services Department will maintain multimedia activities that include but are not limited to newspapers articles, ads, and facebook outreach.	Multimedia outreach activities will be provided. The general public is the targeted audience. A description of the activities conducted, including type, estimated population reached and duration will be reported annually.	12/2006
Modification of Ineffective Messages	The Environmental Services Department will review, modify and record modifications of any ineffective messages	A report titled, Annual Summarization of Outreach Programs will be created and submitted to the program supervisor each year. A tool called the Efficiency Matrix has been developed and can be used as a tool to aid in creating the report. The report will be used to assess the effectiveness of	9/2016

		outreach messages. All modifications of messages will be reported annually.	
Outreach Events	The Environmental Services Department will maintain general public outreach event program.	Manned educational booth events will be held each year. The name of the event, message and estimated number of people reached will be reported annually.	12/2006
Student Audience Outreach Program	The Environmental Services Department will maintain a student audience education program, called The School Outreach Program. This program focuses on inperson classroom education.	The message, the location served, number of educational programs conducted and the number of students reached will be reported annually.	12/2006
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MCM 1: Public Education and Outreach

Use this space to add any additional information for MCM1:

NA

G-2. MCM 2: Public Involvement and Participation			
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.			
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 Records Made Available	The Environmental Services Department will make available the SWMP, Annual Report and other records online.	The Stormwater Quality Website with information that includes the SWMP, NOI, Annual Report and other records will be maintained and updated. The number of website downloads will be reported annually.	12/2006
Public Participation of the SWMP	The Environmental Services Department will host a stake holder workshop annually.	The date of the stake holder workshop and the number of attendees will be reported annually.	12/2006
Public Participation Through Surveys	The Environmental Services Department will provide surveys to the general public. These surveys are used to help spread the message of stormwater pollution prevention and aids in providing feedback to the Maricopa County Stormwater Quality Program.	The amount of surveys provided and the amount of surveys received will be reported annually.	12/2009
Public Participation Through a Stormwater Related Contest for School Children and Local Communities.	The Environmental Services Department will organize at least 1 stormwater related contest annually.	The participation in the stormwater related contest will be reported annually, which will include the number of participants, submittals and other applicable data.	12/2009
Public Involvement Activities	The Environmental Services Department and the Department of Transportation will encourage public	Public involvement activities will be reported annually. Items to be reported annually will include the number of cleanup activities, number	12/2011

	involvement in activities such as participation in the stormwater contest for school children and local communities and participation in clean-up events, such as Tres Rios clean up event.	of private sponsors and the number of volunteer participants.	
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MCM 2: Public Involvement and Participation

Use this space to add any additional information about MCM2:

NA

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

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.

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)
Implement IDDE Program, Definitions and Prohibitions	The Environmental Services Department will develop an illicit discharge and improper disposal detection and elimination program.	The County will maintain and update the multifaceted Illicit Discharge and Improper Disposal Detection and Elimination Program through an inspection program. The County has defined what constitutes an illicit discharge in the Maricopa County Stormwater Quality Management and Discharge Control Regulation. The IDDE program is written and recorded in the most recent Stormwater Management Plan.	12/2009
Stormwater Sewer Mapping	The Environmental Services Department and the Flood Control District will maintain a storm sewer system map with locations of outfalls and receiving WoUS.	Stormwater system mapping is in progress and will be completed by September 2017. The entire jurisdictional area has received inspection activities and all Receiving Waters have been identified and mapped. The majority of all stormwater structures and outfalls have been identified and all remaining will be identified in the process of system mapping. To ensure map completion, the County has identified all areas remaining to be mapped and will track and record the amount of square miles mapped on a monthly basis.	12/2009
Eliminating Illicit Discharges	The Environmental Services Department will enforce the Maricopa County Stormwater Quality Management and Discharge Control Regulation through	The number of citations and legal actions issued will be reported annually.	12/2009

	enforcement actions as detailed in the regulation and through enforcement procedures enacted by the Environmental Services Enforcement Program.		
Eliminating Illicit Discharges	The Environmental Services Department will record and report all illicit discharges found annually.	The report will include a detailed description of the discharge and the means of elimination or mitigation.	9/2016
Legal Authority	The Environmental Services Department will review and update if needed the Maricopa County Stormwater Quality Management and Discharge Control Regulation.	Legal authority will be maintained and any modifications will be reported annually.	12/2009
Statement of Responsibilities	A Statement of Responsibilities will be drafted and maintained by the Environmental Services Department.	A Statement of Responsibilities has been drafted and will be maintained over time. This document is titled the Communication Plan Statement of IDDE Program Responsibilities.	9/2016
Complaint Hotline	The Environmental Services Department and the Department of Transportation will maintain a complaint hotline.	All complaints will be investigated and responded to within 15 days of the complaint received date. The number and type of complaints will be reported annually.	12/2009
Educational Materials	The Environmental Services Department will create and distribute educational materials and pamphlets.	Educational and stormwater pollution prevention pamphlets and brochures and other forms of outreach will be distributed annually. The type and number of educational materials distributed will be reported annually.	12/2009
Visual Outfall Monitoring	The Environmental Services Department will maintain a visual outfall monitoring program.	A minimum of 20% of all outfalls will be inspected annually. The number of outfalls inspected, violations and re-inspections will be reported annually. Written outfall procedures and reports will be stored on the Stormwater Geographical Information System Data Base.	12/2009

Visual Wet Weather Outfall Monitoring	The Environmental Services Department will develop and implement a wet weather outfall monitoring program.	Five (5) representative outfalls will be identified for the visual wet weather monitoring program. Each representative outfall will be inspected twice (2) during each wet season. The number of outfalls inspected, violations and re-inspections will be reported annually. Written outfall procedures and reports will be stored on the Stormwater Geographical Information System Data Base.	9/2016
Indicators of IDDE Program Progress	The Environmental Services Department will conduct a self-evaluation annually.	The self-evaluation will include tracking employee performance standards and managing for results standards. Other indicators, such as complaint response times, number of proactive inspections, public survey responses and analyzing complaints may also be incorporated into the self-evaluation. The findings will be reported annually.	9/2016
Training	The Environmental Services Department will incorporate IDDE training into existing pollution prevention and good housekeeping training in the county-wide employee education and training program. In-person trainings and online classes will be utilized.	Training sessions will be provided annually. The number of trainings conducted, type of training, the Department that received trainings and the number of employees trained will be reported annually.	12/2009

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

Use this space to add any additional information about MCM3:

Unpermitted (illicit) Discharges to the MS4.

The Environmental Services Department will create and implement a program to find facilities and activities that discharge to the MS4 without AZPDES/NPDES permit coverage.

A list of AZPDES/NPDES permit holders will be created, mapped and stored on the stormwater GIS database. This List will be subject to review in order to verify the status of permit coverage using online audit tools. During routine inspections of the County owned MS4, commercial facilities that appear to need permit coverage will be flagged for further investigations. These facilities will be contacted in the form of a letter or email and a list of facilities that are contacted will be sent to ADEQ on an annual basis.

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)
Legal Authority for Construction Activity Compliance	The Environmental Services Department will maintain legal authority to enforce stormwater runoff during construction activities.	The Environmental Services Department has adopted the Maricopa County Stormwater Quality Management and Discharge Control Regulation. This regulation will be evaluated annually for compliance and any new rules or newly adopted legal authority will be reported annually.	12/2009
Ordinance for Erosion Control Practices	The Environmental Services Department and the Flood Control District will maintain an ordinance that requires the use of sediment and erosion control practices.	The Environmental Services Department has adopted the Maricopa County Stormwater Quality Management and Discharge Control Regulation and the Flood Control District of Maricopa County has adopted the Drainage Design Manual (Erosion Control). Ordinances will be reviewed and updated as needed for compliance. Any updates will be reported annually.	12/2009
Inventory	The Environmental Services Department will create and maintain an inventory of construction activities.	An online inventory of all construction activities was developed in June of 2016. This online inventory will be maintained and updated annually. The online inventory is stored and maintained in the Stormwater Program's Geographical Information Systems Data Base.	9/2016
Written Procedures for Site Inspection	The Environmental Services Department will formalize written procedures in the form of Standard Operating Procedures.	Site inspection procedures have been in place since 2009 and formalized in a Standard Operating Procedure (SOP). This SOP was created May 11, 2010 and updated November 3, 2015. The SOP has subsequently been	12/2009

		updated in 2016 to incorporate a prioritization schedule.	
Re-Inspection and enforcement Procedures	The Environmental Services Department will maintain re-inspection and enforcement procedures.	Re-inspection and enforcement procedures are outlined and detailed in a program SOP, and in the Maricopa County Stormwater Quality Discharge and Control Regulation.	12/2009
Site Plan Review Procedures	The Environmental Services Department will create and maintain site plan review procedures.	Site plan review procedures have been established since 2009 and updated in 2016.	12/2009
Site Plan Review	The Environmental Services Department will record the number of permit applications received and reviewed.	The number of applications received and reviewed will be reported annually.	12/2009
Training	The Environmental Services Department will develop, implement and incorporate into the existing training program, education and training specifically on construction activity stormwater runoff for employees who conduct activities related to implementing the construction activity stormwater runoff control program.	Training sessions will be provided annually. The number of trainings conducted, type of training, the Department that received trainings and the number of employees trained will be reported annually.	9/2016
Education/ Public Involvement	The Environmental Services Department will make available educational materials for the development community.	An active webpage with educational material will be maintained. The number of webpage hits and the quantity and type of educational materials distributed will be tracked and reported annually.	12/2009
Education/ Public Involvement	The Environmental Services Department will host a stake holder workshop annually.	At a minimum, 1 stake holder workshop will be held annually. The number of workshops and the number of participants will be reported annually.	12/2009
Tracking and Recordkeeping	The Environmental Services Department will	The number of construction inspections, re-inspections, and	12/2009

	maintain a tracking and recordkeeping program for the construction program.	violations documented and the number of enforcement actions will be reported annually.	
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MCM 4: Construction Activity Stormwater Runoff Control

Use this space to add any additional information about MCM4:

Complaint Response Program.

The Environmental Services Department will maintain a complaint response (hotline) program.

The type and number of complaints received will be reported annually. The Environmental Services Department will respond and investigate all complaints within 15 days of the complaint received date. 12/2009.

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)
Regulatory Mechanism for Post-Construction Stormwater Controls	Maricopa County Planning and Development, Flood Control District and the Environmental Service Department will maintain and enforce programs to address post-construction stormwater runoff.	Maricopa County has developed and will enforce the following ordinances: Stormwater Quality Management and Discharge Control Regulation, Drainage Policies and Standards Manual, Drainage Regulations and Floodplain Regulations. Legal mechanisms and ordinances will be maintained and updated as needed.	12/2009
Technical Guidance and Educational Materials	The Environmental Services Department will develop and distribute technical guidance and educational materials for post construction stormwater management.	Guidance and educational materials will be made available on the Stormwater webpage. The number of materials distributed and the number of webpage hits and downloads will be reported annually.	12/2009
Site Plan Reviews	The Environmental Services Department will implement and maintain a site plan review process.	A staff of at least 1 will be assigned to conduct post construction plan reviews. The number of staff performing reviews and the number of applications received and reviewed will be reported annually.	12/2009
Inspections	The Environmental Services Department will maintain the post construction inspection program.	Post-construction permits will be inspected annually. The number of post-construction inspections, the number of violations observed, number of re-inspections and any enforcement actions will be reported annually.	12/2009
Inventory	The Environmental Services Department will maintain an up to date inventory of post-construction structural stormwater control measures.	An inventory of post-construction structural stormwater control measures will be maintained. Inventory is stored both in paper application format and is available on the Geographical Information System database.	9/2016

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

Use this space to add any additional information about MCM5:

NA

G-6. MCM 6: Pollution Prevention and Good Housekeeping

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.

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: South West Service Center			
SWPPP	The Equipment Services Department will obtain and maintain a Stormwater Pollution Prevention Plan.	All actions, schedules, objectives and obligations are outlined in the SWPPP. Therefore, the measurable goal is to fulfill the requirements as detailed in the approved SWPPP.	12/2010
Insert Facility Name: Durango Service Center			
SWPPP	The Equipment Services Department will obtain and maintain a Stormwater Pollution Prevention Plan.	All actions, schedules, objectives and obligations are outlined in the SWPPP. Therefore, the measurable goal is to fulfill the requirements as detailed in the approved SWPPP.	12/2010
Insert Facility Name: North Valley Service Center			
SWPPP	The Equipment Services Department will obtain and maintain a Stormwater Pollution Prevention Plan.	All actions, schedules, objectives and obligations are outlined in the SWPPP. Therefore, the measurable goal is to fulfill the requirements as detailed in the approved SWPPP.	12/2010
Insert Facility Name: Southeast Service Center			
SWPPP	The Equipment Services Department will obtain and maintain a Stormwater Pollution Prevention Plan.	All actions, schedules, objectives and obligations are outlined in the SWPPP. Therefore, the measurable goal is to fulfill the requirements as detailed in the approved SWPPP.	12/2010
Insert Facility Name: Morristown Transfer Station			
SWPPP	Waste Resources and Recycling Management Department will obtain and maintain a Stormwater Pollution Prevention Plan.	All actions, schedules, objectives and obligations are outlined in the SWPPP. Therefore, the measurable goal is to fulfill the requirements as detailed in the approved SWPPP.	12/2010
Insert Facility Name: New River Transfer Station			

SWPPP	Waste Resources and Recycling Management Department will obtain and maintain a Stormwater Pollution Prevention Plan.	All actions, schedules, objectives and obligations are outlined in the SWPPP. Therefore, the measurable goal is to fulfill the requirements as detailed in the approved SWPPP.	12/2010
Insert Pollution Prevention and Good Housekeeping BMPs that are not facility specific below			
Street Sweeping	The Department of Transportation will maintain a regular street sweeping program	The number of miles swept will be reported annually. The current frequency and schedule for street sweeping is as follows: 16 weeks for arterial streets 8 weeks for residential streets 2 weeks for special cycle streets	12/2009
Inventory	The Environmental Services Department, Risk Management and Equipment Services will keep an inventory of all county owned or leased facilities.	The inventory will be maintained and updated annually.	12/2011
Facility Prioritization	The Environmental Services Department will prioritize facilities through an internal evaluation based on their associated risk of potential pollutant discharge.	A priority facility inventory was created in 2016. This inventory will be maintained and updated annually based on inspection findings.	9/2016
Inspections	The Environmental Services Department and the Equipment Services Department will maintain an inspection program for County owned or leased facilities.	A minimum of 20% of all facilities will be inspected annually by the Environmental Services Department. The Equipment Services Department will maintain a regular inspection program of 4 facilities that receive inspections daily, quarterly and annually. The number of inspection conducted will be reported annually.	12/2011
Priority Inspections	The Environmental Services Department will maintain an inspection program for Priority Facilities.	100% of all priority facilities will be inspected annually. The number of inspections conducted will be reported annually.	9/2016
Training	The Environmental Services Department will	Training sessions will be provided annually. The number of trainings	12/2009

	maintain the County wide education and training program on Stormwater Pollution Prevention. In-person trainings and online classes will be utilized.	conducted, type of training, the Department that received trainings and the number of employees trained will be reported annually.	
Maintenance and Inspections.	The Department of Transportation and the Flood Control District will maintain a maintenance program of County owned infrastructure. The Environmental Services Department will maintain the proactive inspection program of the entire MS4 to identify potential sources of pollution.	The Department of Transportation will maintain a fully staffed roadway operation division and the Flood Control District will maintain a fully staffed operation and maintenance division. The Environmental Services Department will maintain staff to preserve to the proactive MS4 inspection program.	9/2016

MCM 6 Pollution Prevention and Good Housekeeping

Use this space to add any additional information about MCM6:

New River Transfer Station. SWPPP. Waste Resources and Recycling Management Department will obtain and maintain a Stormwater Pollution Prevention Plan. All actions, schedules, objectives and obligations are outlined in the SWPPP. Therefore, the measurable goal is to fulfill the requirements as detailed in the approved SWPPP. 12/2010.

Hassayampa Transfer Station. SWPPP. Waste Resources and Recycling Management Department will obtain and maintain a Stormwater Pollution Prevention Plan. All actions, schedules, objectives and obligations are outlined in the SWPPP. Therefore, the measurable goal is to fulfill the requirements as detailed in the approved SWPPP. 12/2010.

Rainbow Valley Transfer Station. SWPPP. Waste Resources and Recycling Management Department will obtain and maintain a Stormwater Pollution Prevention Plan. All actions, schedules, objectives and obligations are outlined in the SWPPP. Therefore, the measurable goal is to fulfill the requirements as detailed in the approved SWPPP. 12/2010.

Cave Creek Transfer Station. SWPPP. Waste Resources and Recycling Management Department will obtain and maintain a Stormwater Pollution Prevention Plan. All actions, schedules, objectives and obligations are outlined in the SWPPP. Therefore, the measurable goal is to fulfill the requirements as detailed in the approved SWPPP. 12/2010.

Aguila Transfer Station. SWPPP. Waste Resources and Recycling Management Department will obtain and maintain a Stormwater Pollution Prevention Plan. All actions, schedules, objectives and obligations are outlined in the SWPPP. Therefore, the measurable goal is to fulfill the requirements as detailed in the approved SWPPP. 12/2010.

H. MONITORING				
1. DRY WEATHER VISUAL OUTFALL MONITORING				
Has a dry weather visual discharge monitoring program been developed?			<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
If the above answer is "yes," provide the actual date of implementation:			12/1/2009	
If the above answer is "no," provide estimated date of completion:			Click here to enter a date.	
Estimated total number of municipal stormwater outfalls		Percent of total number of municipal stormwater outfalls to be monitored each year		
394		20%		
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)?		
MCSW-ANTHEM-234	Deadman Wash	No		
MCSW-EAST-032	Un-Named Wash	No		
MCSW-EAST-049	Sonoqui Wash	No		
MCSW-SCITY-005	McMicken Wash	No		
MCSW-SCITY-014	Agua Fria River	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 thereof.				
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 will be sampled?	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 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.

Part A

☐ New Permittee.

I confirm the correct fee payment is included with the NOI.

- ☐ <or = to 10,000: \$2,500
☐ >10,000 but ≤ 100,000: \$5,000
☐ > 100,000: \$7,500
☐ Non-traditional MS4 such as hospital, college or military: \$5,000

Total fee payment included: Click here to enter text.

Part B

☒ Existing Permittee.

No fee is required for NOI submission. You will continue to be invoiced on your current annual fee billing cycle.

- ☐ <or = to 10,000
☐ >10,000 but ≤ 100,000
☒ > 100,000
☐ Non-traditional MS4 such as hospital, college or military

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: Click here to enter text.	Title: Click here to enter text.
Ink Signature	Date:

Stormwater Management Plan Amendment Record



Environmental Services
Department

BMP
Category

BMP
Description

Measurable Goal

New BMP
Category

New BMP
Description

New Measurable
Goal

Analysis of why
the BMP is
ineffective

Expectation of
the effectiveness
of the new BMP
and how it will
achieve the
original defined
goals

Name

Date

Log

Of



MARICOPA COUNTY STORMWATER QUALITY MANAGEMENT AND DISCHARGE CONTROL REGULATION

C-88-09-008-7-00

05/06/2009

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CHAPTER 1 – INTRODUCTION

Maricopa County meets the minimum federal requirements for designation by the United States Environmental Protection Agency (EPA) as a small Municipal Separate Storm Sewer operator or MS4. As a small MS4, the County is required by the Federal Water Pollution Control Act of 1972, commonly known as the Clean Water Act (as amended), to implement and enforce a program to improve to the maximum extent practicable the quality of Stormwater in the County’s Stormwater conveyance system within the unincorporated urbanized areas of the County.

101 – Statutory Authorization

Maricopa County may enact a Stormwater regulation pursuant to A.R.S. 11-251.66 and A.R.S. 49-371. Maricopa County, as a Municipal Separate Storm Sewer System under Phase II of the National Pollutant Discharge Elimination System (NPDES) Stormwater program of the Environmental Protection Agency (EPA) is empowered to regulate Stormwater by the authority of the Clean Water Act, 33 U.S.C. Sec. 1251 et seq.

102 – Title

This Regulation shall be known as the Maricopa County Stormwater Quality Management and Discharge Control Regulation.

103 – Required Permit for County

There are six minimum Stormwater control criteria required in the Phase II program by the federal regulations found at 40 CFR 122.34 and in the Arizona Phase II permit. They are:

- 1.** Public education and outreach on stormwater impacts;
- 2.** Public involvement and participation;
- 3.** Illicit drainage 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.

This Regulation meets Phase II permit requirements three, four and five. Requirements one, two and six are applicable to Maricopa County and do not require the adoption of language to regulate activities by others within the County areas covered by the Phase II permit.

104 – Statement of Purpose and Objectives

The purpose of this Regulation is to provide for the health, safety, and general welfare of the citizens of Maricopa County through the prohibition of the introduction of non-Stormwater drainages to the storm drainage system to the maximum extent practicable as required by federal and state law. This Regulation will also protect Waters of the U.S. within Maricopa County by improving the quality of the Stormwater runoff from urbanized areas to the County-owned system by means of the use of best management practices (BMPs) by the County and its citizens.

This Regulation ensures that the County is compliant with its Arizona Pollutant Discharge and Elimination System (AZPDES) permit requirements by establishing methods for controlling the introduction of pollutants into the County’s municipal separate storm sewer system (MS4). The objectives of this Regulation are:

- 1.** To regulate the contribution of pollutants to the County MS4 by Stormwater drainage in unincorporated urbanized areas by any user.
- 2.** To prohibit illicit connections and drainages to the County MS4.
- 3.** To establish legal authority to carry out all inspection, surveillance, monitoring, and enforcement procedures necessary to ensure compliance with this Regulation.

CHAPTER 2 – RULES OF CONSTRUCTION AND INTERPRETATION**201 – General Rules for Construction of Language**

All words used in the present tense shall include the future tense. All words in the singular number shall include the plural number, and all words in the plural number shall include the singular number. The word “shall” is mandatory and not directory, and the word “may” is permissive.

202 – Responsibility for Administration

Maricopa County shall administer, implement, and enforce the provisions of this Regulation. Any powers granted or duties imposed upon Maricopa County may be delegated in writing by the Board of Supervisors of Maricopa County to entities acting in the beneficial interest of or in the employ of the County. Maricopa County has designated the Director of the Environmental Services Department or his/her authorized agent to administer this program.

203 – Compatibility with other Regulations

This Regulation is not intended to modify or repeal any other regulation, rule, ordinance, or other provision of law. The requirements of this Regulation are in addition to the requirements of any other regulation, rule, ordinance, or other provision of law, and where any provision of this Regulation imposes restrictions different from those imposed by any other regulation, rule, ordinance, or other provision of law, whichever provision is more restrictive or imposes higher protective standards for human health or the environment shall control.

204 – Severability

The provisions of this Regulation are hereby declared to be severable. If any provision, clause, sentence, or paragraph of this Regulation or the application thereof to any person, establishment, or circumstances shall be declared unconstitutional or invalid by a court of competent jurisdiction, such determination of invalidity shall not affect the other provisions or application of this Regulation.

205 – Disclaimer

The standards set forth herein and promulgated pursuant to this Regulation are minimum standards; therefore this Regulation does not intend or imply that compliance by any person will ensure that there will be no contamination, pollution, or unauthorized drainage of pollutants.

Neither submission of a plan or permit under the provisions herein nor compliance with the provisions of this Regulation shall relieve any person from responsibility for damage to any person or property otherwise imposed by law.

206 – Other Regulatory Requirements

Permits and approvals issued pursuant to this Regulation shall not relieve the applicant of the responsibility to comply with or to secure other required permits or approvals for activities regulated by any other

applicable code, rule, regulation, act, statute or ordinance. This Regulation shall not preclude the inclusion in such other permit of more stringent requirements concerning regulation of Stormwater and erosion.

206.1 County Permits and Approvals

An application for any discretionary permits or approvals issued by the County shall be accompanied by plans demonstrating how the development project will comply with the requirements of this Regulation. The permit or approval shall not be granted unless the decision maker determines that the development project complies with the applicable requirements of this Regulation. If a person applies for any one permit from Maricopa County, that person is not relieved from the obligation to obtain any other applicable County permit or permits. The following list is not exhaustive and additional programs may be included by the department.

- A. Grading and paving plans or permit
- B. Final plat
- C. Final Development plans
- D. Residential construction permit
- E. Commercial construction permit
- F. Subdivision infrastructure plan
- G. Manufactured housing permit
- H. Landscape plans
- I. Special use permit
- J. Site plan, including modification, minor deviation, or extension
- K. Solid waste facility permit
- L. On-site wastewater treatment facility plan
- M. Wastewater disposal and reuse permit
- N. Solid waste disposal, collection and transport permit
- O. Permit for reclaimed water facility or system
- P. Septic system permits
- Q. Permit or license to use County right-of-way
- R. Permit or franchise for railroad crossing or street railway on public roadway
- S. Permit or license to use Flood Control District right-of-way
- T. Air quality permit for earth moving
- U. Drinking water system permit
- V. Public or semi-public pool and spa permit

CHAPTER 3 – DEFINITIONS

For the purpose of this Regulation, the following definitions shall apply:

- 1. ADEQ:** The Arizona Department of Environmental Quality..
- 2. AZPDES:** The Arizona pollutant discharge elimination system program as adopted under section 402(b) of the clean water act
- 3. AZPDES PERMIT:** A permit issued by the Arizona Department of Environmental Quality pursuant to 33 U.S.C. 1342(b) that authorizes the discharge of pollutants to Waters of the U.S.
- 4. BEST MANAGEMENT PRACTICES (BMPS):** Schedules of activities, prohibitions of practices, general good housekeeping practices, pollution prevention and educational practices, maintenance procedures, other management practices to prevent or reduce the introduction of pollutants directly or indirectly to the County MS4 or Storm Drainage Systems connected to the MS4 and the prohibition of

specific activities, practices, and procedures and such other provisions as the Department determines appropriate for the control of pollutants. BMPs also include treatment practices, operating procedures, and practices to control the following; site runoff, spillage or leaks, sludge or water disposal, or drainage from raw materials storage.

5. **CLEAN WATER ACT:** The Federal Water Pollution Control Act (33 U.S.C. § 1251 et seq.), and any subsequent amendments thereto.
6. **CONSTRUCTION ACTIVITY:** Activities subject to NPDES and/or AZPDES Construction Permits. These include construction projects resulting in land disturbance of one acre or more. Such activities include but are not limited to clearing and grubbing, grading, excavating, and demolition.
7. **COUNTY:** Maricopa County, Arizona government officials and employees or designees of the Board of Supervisors of Maricopa County designated to enforce this Regulation.
8. **DEPARTMENT:** The Maricopa County Environmental Services Department.
9. **DIRECTOR:** The Director of the Maricopa County Environmental Services Department or his or her authorized agents.
10. **DISCHARGE:** Any addition of any pollutant to navigable waters from any point source.
11. **DISTURBANCE:** The result of altering soil from its native or stabilized condition thereby rendering it subject to movement or erosion by water to potentially become, or becoming a pollutant in site Stormwater runoff; also means soil disturbance.
12. **DRAINAGE SYSTEM:** All facilities and natural features used for the movement of Stormwater through and from a drainage area, including, but not limited to, any and all of the following: conduits; pipes and appurtenant features; channels; ditches; flumes; culverts; streets; swales; gutters as well as all watercourses, water bodies and wetlands.
13. **EROSION:** The wearing away of land surface by water or wind which occurs from weather or runoff, but is often intensified by human activity.
14. **FACILITY:** Any land, building, installation, structure, equipment, device, conveyance, area, source, activity or practice from which there is, or with reasonable probability may be, the introduction of Stormwater to the County MS4 or Storm Drainage Systems connected to the MS4.
15. **HAZARDOUS MATERIALS:** Any material, including any substance, waste, or combination thereof, which because of its quantity, concentration, or physical, chemical, or infectious characteristics may cause, or significantly contribute to, a substantial present or potential hazard to human health, safety, property, or the environment when improperly treated, stored, transported, disposed of, or otherwise managed.
16. **ILLEGAL DRAINAGE:** Any direct or indirect non-Stormwater drainage to the County MS4 or a Storm Drainage System connected to the MS4 except as exempted in Section 501 of this Regulation.
17. **ILLICIT CONNECTIONS:** An illicit connection is defined as either of the following:
 - A. Any drain or conveyance, whether on the surface or subsurface that allows illegal drainage to enter any Storm Drainage System including but not limited to any conveyances that allow any non-Stormwater drainage including sewage, process wastewater, and wash water to enter the County MS4 or any Storm Drainage System and any connections to the County MS4 or any Storm Drainage System from indoor drains and sinks, regardless of whether said drain or connection had been previously allowed, permitted, or approved by an authorized enforcement agency, or
 - B. Any drain or conveyance connected from a commercial or industrial land use to the County MS4 or any Storm Drainage System that has not been documented in plans, maps, or equivalent records and approved by an authorized regulatory or enforcement agency.
18. **IMPERVIOUS SURFACE:** A surface which has been compacted or covered with a layer of material so that it is resistant to infiltration by water. It includes semi-pervious surfaces such as compacted clayey soils, as well as most conventionally surfaced streets, roofs, sidewalks, parking lots, and other similar surfaces. "Net Increase of Impervious Surface" refers to the difference between the existing impervious coverage and the total impervious surface proposed.

- 19. INDUSTRIAL ACTIVITY:** Activities subject to NPDES Industrial Stormwater Permits as defined in 40 CFR, Section 122.26 (b) (14).
- 20. LAND DISTURBANCE:** Soil disturbance or any site disturbance.
- 21. LAND SURVEYOR:** A land surveyor licensed to practice land surveying in the State of Arizona.
- 22. MAINTENANCE:** The action taken to restore or preserve the as-built functional design of any facility or system.
- 23. MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4):** The system of conveyances (including sidewalks, roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, man-made channels, natural conveyances or storm drains) owned or operated by Maricopa County and designed or used for collecting or conveying Stormwater, and that is not used for collecting or conveying sewage. Also the County MS4.
- 24. NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) STORMWATER DISCHARGE PERMIT:** A permit issued by the Environmental Protection Agency (EPA), or by a State under authority delegated pursuant to 33 U.S.C. § 1342(b), that authorizes the discharge of pollutants to Waters of the U.S., whether the permit is applicable on an individual, group, or general area-wide basis.
- 25. NON-STORMWATER DRAINAGE:** Any drainage to the County MS4 or a Storm Drainage System that is not composed entirely of Stormwater.
- 26. NPDES:** National Pollutant Discharge Elimination System.
- 27. NUISANCE:** The unreasonable or unlawful use of real or personal property that that may obstruct or injure the right of another or the public and producing such material annoyance, inconvenience, discomfort, or hurt, that the Director presumes such use will result in damage. This definition includes the conditions listed in A.R.S. 36-601 as public nuisances dangerous to public health.
- 28. OPERATOR:** An operator of a construction site, such as the developer, is one who maintains overall operational control over construction plans and specifications, including the ability to change these plans and specifications. An operator can also be one who maintains day-to-day operational control over activities that will ensure compliance with the Stormwater Pollution Prevention Plan (SWPPP), such as the general contractor or subcontractor.
- 29. OWNER:** The person, persons, or entity whose name appears on the title or deed to the subject property or properties.
- 30. PERMIT:** A written permit to operate, issued by the Maricopa County Environmental Services Department.
- 31. PERMITTEE:** The person, agency or entity authorized to conduct the work specified in accordance with the conditions of the Stormwater permit(s) and as described in the application, approved drawings, plans, and other documents on file with the County.
- 32. PERSON:** Any natural individual, association, organization, partnership, firm, corporation or other entity recognized by law and acting either as the owner or as the owner's agent.
- 33. POLLUTANT:** Any agent introduced to Stormwater or non-Stormwater through human activity that may cause, potentially cause, or contribute to the degradation of water quality. Pollutants may include, but are not limited to: paints, varnishes, and solvents; oil and other automotive fluids; non-hazardous liquid and solid wastes and yard wastes; refuse, rubbish, garbage, litter, or other discarded or abandoned objects, ordnances, and accumulations, so that same may cause or contribute to pollution; floatables; pesticides, herbicides, and fertilizers; hazardous substances and wastes; sewage, fecal coli form and pathogens; dissolved and particulate metals; animal wastes; wastes and residues that result from constructing a building or structure; dredged spoil, rock, sand or silt; and noxious or offensive matter of any kind.
- 34. POST-CONSTRUCTION:** For purposes of this Regulation is that regulated category of construction for new developments and redevelopments which results in the establishment of permanent stormwater pollution prevention devices, or structural BMPs, built in compliance to Maricopa County's design standards and also includes long-term operations and maintenance (O&M) programs, or non-structural BMPs, to be permanently associated with the Stormwater pollution devices or controls at the new development upon completion of the land disturbing activity.

- 35. POST-CONSTRUCTION SITE PLAN:** A plan or set of plans clearly identifying the site and depicting the placement of BMPs that are to remain permanently on the site following completion of the construction phase.
- 36. PRE-CONSTRUCTION AND CONSTRUCTION PHASE SITE PLAN:** A plan or set of plans clearly identifying the site and depicting the placement of BMP's to be used during the preconstruction land disturbance and during construction phase of a construction project. The plan will cover the complete interior and perimeter of the construction site during all phases of the project.
- 37. PREMISES:** Any building, lot, parcel of land, or portion of land whether improved or unimproved including adjacent sidewalks and parking strips.
- 38. SEWAGE:** Wastes from toilets, baths, sinks, lavatories, laundries, and other plumbing fixtures in residences, institutions, public and business buildings, mobile homes, watercraft, and other places of human habitation, employment or recreation.
- 39. STORM DRAINAGE SYSTEM:** Public and private drainage facilities other than sanitary sewers within the urbanized, unincorporated area of Maricopa County by which Stormwater is collected and/or conveyed to the County MS4, including but not limited to any roads with drainage systems, municipal streets, gutters, curbs, inlets, piped storm drains, pumping facilities, retention and detention basins, natural and human-made or altered drainage channels, reservoirs, and other drainage structures.
- 40. STORMWATER:** Any surface flow, runoff, and drainage consisting entirely of water from any form of natural precipitation, and resulting from such precipitation.
- 41. STORMWATER MANAGEMENT PLAN (SWMP):** A document submitted on a Department form or in a Department approved format which describes the Best Management Practices and activities and measures to be implemented by a person or business to identify sources of pollution or contamination at a site and the actions and measures to eliminate or reduce the introduction of pollutants to Stormwater, the County MS4, or Storm Drainage Systems connected to the MS4 to the maximum extent practicable (MEP).
- 42. SWPPP:** The Stormwater Pollution Prevention Plan associated with the permit for a site.
- 43. URBANIZED AREA:** A portion of the County that has a population density of at least 1,000 people per square mile and/or meets other criteria set by the U.S. Bureau of Census in the latest Decennial Census.
- 44. WASTEWATER:** Sewage and waterborne industrial wastes.
- 45. WATERS OF THE U.S.:** As defined in 33 CFR 328.3(a) and 40 CFR 230.3(s).

CHAPTER 4 – APPLICABILITY

This Regulation applies to all areas of urbanized unincorporated Maricopa County as defined herein and depicted by the most recent U.S. Census published “urbanized” area (UA) map for Maricopa County and as may be identified by future Decennial Census.

This Regulation applies to all water entering the County MS4 or Storm Drainage System connected to the MS4 in the urbanized areas of the County and generated on any developed and undeveloped lands unless explicitly exempted in this Regulation. This section is not intended to control pollution from incorporated areas of the County nor is it intended to apply to the non-urbanized areas of the County as defined herein.

CHAPTER 5 – ILLICIT NON-STORMWATER DRAINAGE AND CONNECTIONS

501 – Prohibition of Non-Stormwater Drainage

- 1.** No person shall throw, drain, or otherwise introduce, cause, or allow others under its or their control to throw, drain, or otherwise introduce into the County MS4 or into the Storm Drainage System within the County MS4 any pollutants or waters containing any pollutants, other than Stormwater.
- 2.** The commencement, conduct or continuance of any illegal drainage to the County MS4 or any Storm Drainage System is prohibited except as described as follows:
 - A. The following drainage is exempt from prohibitions established by this Regulation:
 1. Water line flushing, landscape irrigation, diverted stream flows, rising groundwater's, uncontaminated groundwater infiltration, uncontaminated pumped groundwater, drainages from

potable water sources, foundation drains, air conditioning condensation, irrigation water, springs, water from crawl space pumps, footing drains, lawn watering, individual residential car washing, flows from riparian habitats and wetlands, de-chlorinated swimming pool drainages, and street wash water.

2. Drainage or flow from firefighting, and other drainages specified in writing by the Department as being necessary to protect public health and safety.
 3. Drainage associated with dye testing; however, this activity requires a verbal notification to the Department prior to the time of the test.
- B. This drainage prohibition shall not apply to any non-Stormwater drainage permitted under an NPDES permit, waiver, or waste drainage order issued to the discharger and administered under the authority of the United States Environmental Protection Agency (EPA), provided that the discharger is in full compliance with all requirements of the permit, waiver, or order and other applicable laws and regulations, and provided that written approval has been granted for any drainage to a Storm Drainage System.
- C. The Department may evaluate and remove any of the above exemptions if it is determined that they are identified as significant sources of pollutants as required by 40 CFR 122.34.b.3.iii.

502 - Prohibition of Illicit Connections

1. The construction, use, maintenance or continued existence of illicit connections to the County MS4 or any Storm Drainage System is prohibited.
2. This prohibition expressly includes, without limitation, illicit connections made in the past, regardless of whether the connection was permissible under law or practices applicable or prevailing at the time of connection.
3. A person is considered to be in violation of this Regulation if the person connects a line conveying non-Stormwater to the County MS4, or allows such a connection to continue.
4. Improper connections in violation of this Regulation must be disconnected and redirected to an appropriate approved waste disposal system.
5. Any drain or conveyance that has not been documented in plans, maps or equivalent, and which may be connected to the Storm Sewer System, shall be located by the owner or occupant of that property upon receipt of written Letter of Outstanding Violation from the Department requiring that such locating be completed. Such notice will specify a reasonable time period within which the location of the drain or conveyance is to be determined, that the drain or conveyance be identified as storm sewer, sanitary sewer or other, and that the outfall location or point of connection to the storm sewer system, sanitary sewer system or other drainage point be identified. Results of these investigations are to be documented and provided to the Department.

CHAPTER 6 – CONSTRUCTION SITE STORMWATER RUNOFF POLLUTION CONTROL

601 – Introduction

Runoff from construction sites may be a major source of pollution and is subject to federal, state and local requirements to improve Stormwater quality. With few exceptions, these requirements will include the development and implementation of a Stormwater Pollution Prevention Plan (SWPPP) for every construction activity as defined herein within the urbanized unincorporated areas of the County. That SWPPP may be reviewed by the State. SWPPPs may be reviewed at the construction site by the Department. Stormwater treatment measures known as “Best Management Practices” or BMPs may be required along with inspections by the County or State to determine compliance with the SWPPP and the installation and management of the BMPs.

In accordance with its own permit requiring it to reduce construction site Stormwater pollution in its urbanized area, Maricopa County has established a construction site or land disturbance approval process administered by the Maricopa County Environmental Services Department.

602 – Construction Site Regulation

1. An owner or operator who intends to disturb an area of land that is equal to or greater than one acre, or that is less than one acre but is part of a larger plan of development shall obtain permit coverage from the Arizona Department of Environmental Quality. A copy of the Notice of Intent (NOI) to be bound by the

State's general construction permit, or evidence of the State's construction permit obtained by the owner or operator, must be filed with the Department prior to the start of the land disturbance as required by ADEQ.

2. An owner or operator who intends to disturb an area of land that is equal to or greater than one acre, or that is less than one acre but is part of a larger plan of development that disturbs one or more acres of soil, must also obtain an approval from the Department and pay any applicable fees set by the Department. This dual system of regulation is as required by Federal law, 40 CFR122.34.b.4.i, and by the general permit for the Maricopa County MS4 issued by the Arizona Department of Environmental Quality, Part V.B.4.a.
3. No construction activity disturbance of the site is allowed until the Stormwater approval has been issued.
4. A copy of the approval and the SWPPP for the construction must be kept on the site or be available on the site during all work times.
5. To obtain an approval the owner or operator must complete the following:
 - A. Submit to the Department a pre-construction and construction phase Stormwater Site Plan no later than 30 working days prior to the actual start of construction for standard turnaround times for applications. For those projects requiring 15 days or less in the approval turnaround time, the County provides for an expedited processing with additional fees being applied. Refer to the latest County fee table for applicable fees.
 - B. This pre-construction and construction phase Stormwater Site Plan must consider possible water quality impacts and explain in sufficient detail the construction best management practices to be followed by the owner and all who work on the site. The site plan defines the BMPs to ensure that erosion will be minimized, sediment transport managed and that controls for other wastes are in place during the construction process.
 - C. This Stormwater Site Plan will be reviewed by the Department and returned with any comments or a letter of acceptance of the plans.
 - D. After changes have been made to the Stormwater Site Plan to address the Department's comments, the revised Plan shall be resubmitted for review.
6. The SWPPP for the construction site is to remain at the site and is to be made available to the Department. At the start of construction and during construction the Department may inspect any site to determine that the SWPPP for the site is being followed and that the indicated BMPs have been properly installed and satisfactorily maintained. If the SWPPP has not been implemented and/or if the BMPs on site have not been satisfactorily installed or maintained the Department will notify the owner or operator of the deficiencies. If the owner or operator has failed to address satisfactorily these issues within 7 days of notification of deficiencies, a compliance order will be issued by the Department and a complaint shall be referred to the County Attorney as provided herein and in A.R.S. 49-261. The Department may also seek an injunction to stop the work as provided herein and civil penalties or criminal penalties.

603 - Exemptions

Coverage under a Department Stormwater approval for construction is not required for sites over one acre for:

1. Regular maintenance activities performed within the original line, grade or capacity of a facility.
2. Construction projects where the operator can prove that there is no reasonable probability that Stormwater can leave the site.
3. A site that qualifies for an erosivity waiver for activities in low-risk soil conditions.
4. A site already covered by an individual NPDES permit with Stormwater provisions.
5. Emergency construction activities required to protect public health and safety.
6. Sites not within the urbanized unincorporated areas as identified in Chapter 4 herein.

604 - Transfers of Approvals

An approval may be transferred by the submittal of a Department transfer of coverage form that includes assurances by the new owner that the approved SWPPP and BMP requirements will be met. A separate administrative fee applies to transfers of ownership.

605 - Termination of Coverage

Coverage under the construction approval will end when a notice of termination is filed with the Department and an inspection by the Department has confirmed that the entire site has been stabilized and landscaping and paving complete. The Owner of the site must continue to meet the requirements of any post-construction permits issued by the Department.

606 – Compliance Monitoring**606.1 - Right of Entry for Inspection and Sampling**

The Department is permitted to enter and inspect facilities subject to this Regulation as often as may be necessary to determine compliance with this Regulation and approvals issued hereunder.

- A. If an Owner or Operator holding an approval has security measures in force which require proper identification and clearance before entry into its premises, the Owner or Operator shall make the necessary arrangements to allow the Department access to the premises.
- B. Owners or Operators holding an approval or their designated representatives shall allow the Department ready access to all parts of the premises for the purposes of inspection, sampling, examination and copying of records that must be kept under the conditions of an NPDES and/or AZPDES permit to discharge Stormwater, and to determine performance of any additional duties required by the approved plans or by applicable state and federal stormwater law.
- C. Any temporary or permanent obstruction to safe and easy access to the site or facility to be inspected and/or sampled shall be promptly removed by the operator at the written or oral request of the Department and shall not be replaced. The costs of clearing such access shall be borne by the operator.
- D. Unreasonable delay in allowing the Department access to an approved facility is a violation of this Regulation. A person who is the operator of a facility with an NPDES or AZPDES permit to discharge Stormwater associated with industrial activity violates the permit terms if the person denies the Department reasonable access to the permitted facility for conducting any activity authorized or required by this Regulation.

606.2 - Search Warrants.

If the Department has been refused access to the premises, then the Director may seek issuance of a search warrant from any court of competent jurisdiction in addition to issuing a compliance order, seeking an injunction and assessing appropriate civil or criminal penalties under Chapter 10 herein and Title 49, Arizona Revised Statutes.

CHAPTER 7 - INDUSTRIAL ACTIVITY DISCHARGES**701 - Submission of NOI or Other Proof of Compliance to Department.**

1. Any person subject to an industrial activity individual or general NPDES or AZPDES discharge permit may be required to provide proof of compliance with said permit in a form acceptable to the Department prior to the allowing of discharges to the County MS4.
2. The operator of a facility required to have an individual NPDES or AZPDES permit to discharge Stormwater associated with industrial activity shall submit proof of the permit, or if under a general permit, a copy of the Notice of Intent (NOI) to the address shown in 701(3) below at the same time the operator submits the original Notice of Intent to the EPA or Arizona Department of Environmental Quality as applicable.
3. The copy of the Notice of Intent may be delivered to the Department either in person or by mailing it to the Maricopa County Department of Environmental Services, 1001 N. Central Avenue, PHOENIX AZ 85004.
4. Any person found owning or operating a facility or owning a site which is not exempt, does not have an NPDES or AZPDES permit, and is discharging Stormwater associated with industrial activity within the unincorporated urbanized County MS4 shall be reported to the Environmental Protection Agency and/or the Arizona Department of Environmental Quality.

CHAPTER 8 – REQUIREMENT TO PREVENT, CONTROL, AND REDUCE STORMWATER POLLUTANTS BY THE USE OF BEST MANAGEMENT PRACTICES

- 1.** Any activity, operation, or facility that may cause or contribute to pollution or contamination of Stormwater that discharges to any Storm Drainage System connected to the MS4 or the County MS4 in the unincorporated urbanized areas of the County must implement Best Management Practices for Stormwater. The owner or operator of such activity, operation, site or facility shall provide, at their own expense, reasonable protection from accidental introduction of prohibited materials or other wastes into any Storm Drainage System or County MS4 using Best Management Practices. These BMPs shall be part of a Stormwater Pollution Prevention Plan (SWPPP) as necessary for compliance with requirements of the AZPDES permit.
- 2.** Any person responsible for a property or premise that is, or may be, the source of illegal non-Stormwater drainage as described in subsection 1, may be required to implement, at said person's expense, additional BMPs to prevent the further drainage of pollutants.
- 3.** Compliance with all terms and conditions of a valid NPDES permit authorizing the discharge of Stormwater associated with industrial activity, to the extent practicable, shall be deemed compliance with the provisions of this section.

CHAPTER 9 – NOTIFICATION OF SPILLS

- 1.** Notwithstanding other requirements of law, as soon as any person responsible for a facility, site or operation, including construction sites, or responsible for emergency response for a facility, site or operation has information of any known or suspected release of materials which are resulting or may result in the illegal introduction of pollutants into a Storm Drainage System connected to the MS4 or the County MS4 shall take all necessary steps to ensure the discovery, containment, and cleanup of such release. In the event of such a release of hazardous materials, said person shall immediately notify emergency response agencies of the occurrence via emergency dispatch services. In the event of a release of non-hazardous materials, said person shall notify the Department in person, by phone or by e-mail or facsimile no later than the next day. Notifications in person or by phone shall be confirmed by written notice addressed and mailed to the Department within ten calendar days of the phone notice. If prohibited materials emanate from a commercial or industrial establishment, the owner or operator of such establishment shall also retain an on-site written record of the release and the actions taken to prevent its recurrence. Such records shall be retained for at least one year or as may otherwise be required by applicable state or federal law.
- 2.** Failure to provide notification of a release as provided above is a violation of this Regulation.

CHAPTER 10 – VIOLATIONS, ENFORCEMENT, PENALTIES AND AUTHORITY

1001 - Violations

- 1.** It is unlawful for any person to violate any provision or fail to comply with any of the requirements of this Regulation. Any person who violates or continues to violate any provision of this Regulation is subject to the enforcement actions provided herein.
- 2.** If a violation is a nuisance, source of filth, or cause of sickness, the Director may order the owner or occupant to remove it within 24 hours at the expense of the owner or occupant. Notwithstanding any other provisions of this Regulation, any condition caused or permitted to exist in violation of any of the provisions of this Regulation is a threat to public health, safety, and welfare, and is declared and deemed a nuisance, and may be summarily abated or restored at the violator's expense, and/or a civil action to abate, enjoin, or otherwise compel the cessation of such nuisance may be taken.

1002 – Letter of Outstanding Violation

- 1.** When the Director finds that any person has violated, or continues to violate, any provision of this Regulation, any order issued hereunder, any approval, or any condition of a permit, the Director may serve upon that person a written Letter Of Outstanding Violation, specifying the particular violation believed to have occurred and requesting the person to immediately investigate the matter and to seek a resolution whereby any unlawful acts will cease.
- 2.** Investigation and/or resolution of the matter in response to a Letter of Outstanding Violation in no way relieve the alleged violator of liability for any violations occurring before or after receipt of the Letter of Outstanding Violation. Nothing in this subsection shall limit the authority of the Director to take any

action, including emergency action or any other enforcement action, without first issuing a Letter of Outstanding Violation.

1003 – Consent Order

After a Letter of Outstanding Violation the Director may enter into an order settling the issuance of the Letter of Outstanding Violation. The Director may agree to accept monetary payments as part of the negotiated terms of a consent order. The terms of a consent order shall be determined by the agreement of the parties.

1004 – Compliance Order

- 1.** Whenever the Director finds that a person has violated a prohibition or failed to meet a requirement of this Regulation, any order issued hereunder, an approval, or a condition of a permit, the Director may order compliance by issuance of a Compliance Order. The Compliance Order shall be transmitted to the alleged violator by certified mail, return receipt requested, or by personal service.

A. The Compliance Order shall contain:

1. The name and address of the alleged violator;
2. The address when available or a description of the building, structure or land upon which the violation is occurring, or has occurred;
3. A statement specifying the nature of the violation;
4. A description of the remedial measures necessary to restore compliance with this Regulation and a reasonable time schedule for the completion of such remedial action;
5. A statement of the penalty amount;
6. A statement that the Compliance Order may be appealed to Maricopa County by filing a written notice of appeal to Superior Court within 30 days of service of Letter Of Outstanding Violation; and
7. A statement specifying that, should the violator fail to restore compliance within the established time schedule, the work may be done by a designated governmental agency or a contractor and the expense thereof shall be charged to the violator.

B. Such Compliance Order may require without limitation:

1. The performance of monitoring, analyses, and reporting;
2. The elimination of illicit connections or drainage to the County MS4 or any Storm Drainage System connected to the MS4;
3. That violating drainage, practices, or operations shall cease and desist;
4. Payment of a fine to cover administrative and remediation costs; and
5. The implementation of source control or treatment BMPs.

- 2.** A Compliance Order becomes final and enforceable in the Superior Court thirty days after it is served on the alleged violator.

1005 - Cease and Desist Orders

- 1.** When the Director finds that any person has violated, or continues to violate, any provision of this Regulation, any order issued hereunder, the terms of an approval or permit, or that the person's past violations are likely to recur, and that the person's violation(s) has (have) caused or contributed to an actual or threatened introduction of pollutants to the County MS4 or any Storm Drainage System connected to the MS4 which reasonably appears to present an imminent or substantial endangerment to the health or welfare of persons or to the environment, the Director may order the violator to immediately cease and desist all such violations and direct the violator to:

A. Immediately comply with all Regulation requirements; and

B. Take such appropriate preventive action as may be needed to properly address a continuing or threatened violation, including immediately halting the violating activity.

- 2.** Any person notified of a Cease and Desist Order directed to it under this Subsection shall immediately comply and stop or eliminate its endangering activity. In the event of a person's failure to immediately comply with the emergency order, the Director may take such steps as deemed necessary to prevent or

minimize harm to the County MS4 or any Storm Drainage Systems connected to the MS4 and/or endangerment to persons or to the environment. The Director may allow the person to commence its the activity when it has demonstrated to the satisfaction of the Director that the period of endangerment has passed, unless further proceedings are initiated against the discharger under this Regulation. A person that is responsible, in whole or in part, for any activity presenting imminent endangerment shall submit a SWPPP modification describing the causes of the harmful activity and the measures taken to prevent any future occurrence, to the Director within 48 hours of receipt of the order. Issuance of a Cease and Desist Order shall not be a bar against, or a prerequisite for, taking any other action against the violator.

1006 – Injunctive Relief

- 1.** Whether or not a person has requested a hearing, the Director, through the County Attorney, may request a temporary restraining order, a preliminary injunction, a permanent injunction, or any other relief necessary to protect the public health if the Director has reason to believe of the following:
 - A. That a person is in violation of:
 1. This Regulation
 2. A pollutant limitation or any other condition of an approval or a permit issued.
 - B. That a person is creating an actual or potential endangerment to the public health or environment because of acts performed in violation of this Regulation.
- 2.** Notwithstanding any other provision of this Regulation, if the Director through the County Attorney, has reason to believe that a person is creating an imminent and substantial endangerment to the public health or environment because of acts performed, or violation of this Regulation, an approval, or a condition of a permit issued, the County Attorney may request a temporary restraining order, a preliminary injunction, a permanent injunction or any other relief necessary to protect the public health.
- 3.** If a temporary restraining order is sought, the court may require the filing of a bond or equivalent security.

1007 - Suspension and Revocation of Approvals or Permits

- 1.** Suspension of Approval or Permit:
 - A. When the Director finds that the holder of an approval or permit has failed to comply with a Letter Of Outstanding Violation of this Regulation or that an actual or threatened activity presents or may present imminent and substantial danger to the environment, or to the health or welfare of persons, or to the County MS4 or any Storm Drainage System connected to the MS4, and incorporates a finding to that effect in the order, summary suspension of the approval or permit may be ordered pending proceedings for revocation or other action.
 - B. Upon suspension of the approval or permit, the holder of the approval or permit may immediately move to vacate the suspension order and the Director shall hear such motion within five (5) days. In no event may a summary suspension remain in effect for more than twenty-five (25) days.
 - C. Upon suspension of the approval or permit, the premises will thereupon be posted to show the permit suspension and access to the County MS4 will be prohibited. A person commits an offense if the person reinstates County MS4 access to premises terminated pursuant to this Section, without the prior approval of the Director.
- 2.** Revocation of Approval or Permit:
 - A. The Director may, after providing opportunity for hearing, revoke an approval or permit for violation of this Regulation or for interference with the regulatory authority in the performance of its duty.
 - B. Prior to revocation, the Director shall notify in writing the holder of the approval or permit, or the person in charge, of the specific reason(s) for which the approval or permit is to be revoked and that the approval or permit shall be revoked at the end of the twenty (20) days following service of such notice unless a written request for hearing is filed with the regulatory authority by the holder of the merit within such twenty (20) day period, revocation of the approval or permit becomes final. If a request for hearing is timely filed, the hearing shall be held within twenty (20) days of receipt of the request.
 - C. Upon delivery of notice of suspension of approval or permit revocation, the premises will thereupon be posted to show the permit revocation and access to the County MS4 will be prohibited. If the violator fails to comply with an order the Director may take action as deemed necessary to prevent or minimize

damage to the County MS4 or any Storm Drainage System connected to the MS4, or to minimize danger to the health and welfare of persons. An owner or operator commits a separate offense if the person reinstates County MS4 access to premises terminated pursuant to this Section, without the prior approval of the Director.

- D. A notice of revocation is properly served when it is delivered to the holder of the approval or permit, or the person in charge, or when it is sent by registered or certified mail, return receipt requested, to the last known address of the holder. A copy of the notice shall be filed in the records of the Department. The notice shall comply with the provisions of A.R.S. 41-1061.B.

- 3. Hearings held pursuant to the provisions of this Regulation shall be conducted in accordance with the requirements of A.R.S. 41-1061 et. seq.

1008 - Civil Penalties

- 1. A person who violates any provision of this Regulation, an approval or permit issued hereunder, a discharge limitation in a permit or a cease and desist or other order issued, is subject to a civil penalty of not to exceed two thousand five hundred dollars (\$2,500) per day per violation. The Director may request that the County Attorney commence an action in Superior Court to recover the civil penalties.
- 2. The court, in issuing any final order in any civil action brought under this section, may award costs of litigation, including reasonable attorney and expert witness fees, to any substantially prevailing party if the court determines such an award is appropriate.

1009 - Criminal Violations

- 1. It is unlawful to:
 - A. Discharge without an approval or permit or appropriate authority.
 - B. Fail to monitor, sample or report discharges as required by under this Regulation.
 - C. Violate a discharge limitation.
 - D. Violate a water quality standard.
- 2. A person who with criminal negligence performs an act prohibited under subsection A of this section is guilty of a class 6 felony.
- 3. A person who knowingly performs an act prohibited under subsection A of this section is guilty of a class 5 felony.
- 4. A person who knowingly or recklessly manifests an extreme indifference for human life in performing an act prohibited under subsection A of this section is guilty of a class 2 felony.
- 5. A violation of any provision of this chapter for which a penalty is not otherwise prescribed is a class 2 misdemeanor.
- 6. The County Attorney may enforce this section at the request of the Director.
- 7. Monetary criminal penalties obtained under this section shall be deposited in the County's general fund. Each act of violation and each day upon which any violation shall occur shall constitute a separate offense.

1010 – Abatement Assessment and Lien

- 1. If abatement of the violation is ordered by the Superior Court or other court with jurisdiction, the Director may at his discretion take actions necessary to abate or remove the nuisance or the source of the violating activity. Within twenty (20) days after abatement of the violation, the Director shall issue an Assessment Statement to the owner of the property on which such nuisance or violating activity was located.
- 2. The Assessment Statement shall include the following information.
 - A. A description of the assessed costs, which shall include the actual costs of the removal or abatement, incidental costs, and the costs of any additional inspections.
 - B. Notification that the property owner must pay the assessed costs within thirty days after receipt of the Assessment Statement or by such other date as may be specified for payment in the Assessment Statement unless an appeal is requested.
 - C. Notification that the property owner may appeal the assessment to the Director in writing within thirty days after receipt of the Assessment Statement; and

- D. Notification that failure to pay the assessed costs may result in a lien being placed on the property on which the nuisance or source of filth was located.
- 3.** The property owner may appeal the assessment to the Board of Health by filing a written request for a hearing within thirty days after receipt of the Assessment Statement.
 - A. After a hearing, the Director may sustain, modify or revoke the Assessment Statement.
 - B. If the Director sustains or modifies a cost assessment following an appeal of an Assessment Statement, the assessed costs must be paid within thirty days of the Director's decision or by such other time as may be specifically provided by the Director.
- 4.** If the property owner does not pay the assessed costs after the time provided in (2.) (B) or (3.) (B) above has expired, the Director may assess the lots or tracts of land on which the nuisance was abated or removed.
 - A. The assessment, for the date of its recording in the office of the Maricopa County Recorder, is a lien on the lot or tract of land until paid.
 - B. Any assessment recorded under this Regulation is prior and superior to all other liens, obligations or other encumbrances, except liens for general taxes and prior recorded mortgages.

1011 – Remedies Not Exclusive

The remedies listed in this Regulation are not exclusive of any other remedies available under any applicable federal, state, county or local law and it is within the discretion of Maricopa County to seek cumulative remedies.

CHAPTER 11 – POST-CONSTRUCTION STORMWATER MANAGEMENT

1101 - Introduction

The goal of this post-construction Stormwater management program is to protect public safety and public infrastructure, reduce erosion on private properties and stream channels, and protect the quality of Waters of the U.S. to the maximum extent practicable. The goals are achieved by maintaining and/or restoring natural drainage patterns, minimizing grading and disturbance, and minimizing the extent of impervious cover, as well as encouraging the use of a variety of best management practices for reducing the pollutant loadings from newly developed and redeveloped sites. This will be accomplished by requirements to , among other things, reduce the magnitude and extent of impervious cover and site disturbance, remove pollutants from runoff prior to the introduction of Stormwater to the County MS4, and promote effective operation and maintenance of all Stormwater facilities.

1101.1 - Applicability

The post-construction requirements in this Chapter apply to permanent Stormwater management facilities, systems and/ or devices. Stormwater management during construction activities is regulated separately pursuant to Chapter 6 of this Regulation.

1102 - Objectives

In order to protect the health, safety and general welfare of the residents of Maricopa County, as well as to protect, sustain and enhance the quality of the Waters of the U.S. in and adjacent to the County, drainage and Stormwater management practices shall be utilized as directed herein to achieve the following objectives:

- 1.** Accommodate site development and redevelopment in a manner that protects public safety and that is consistent with federal and state water quality requirements and the requirements of the Phase II Stormwater permit for the County.
- 2.** Protect water quality to the Maximum Extent Practicable by removing and/or treating pollutants prior to the introduction of Stormwater to the County MS4 or any Storm Drainage System connected to the MS4 throughout the County.
- 3.** Promote effective long-term operation and maintenance of all permanent Stormwater management facilities.

4. Treat and release Stormwater as close to the source of runoff as possible using a minimum of structures and maximizing reliance on natural processes.
5. Address certain requirements of the Municipal Separate Storm Sewer System (MS4) National Pollutant Discharge Elimination System (NPDES) Phase II Stormwater regulations.
6. Reduce the environmental impacts of Stormwater pollution from existing developed sites undergoing redevelopment while encouraging development and redevelopment in urban areas and areas designated for growth.

1103 – Regulated Activities

1103.1 – Post-Construction Permits Required

A post-construction permit is required for land disturbance equal to or greater than one acre in area except as otherwise provided per Section 1103.2 of this Regulation. Land disturbances of less than 1 acre constituting a part of a larger development plan are also regulated. Activities for which a post-construction permit is required include land development and redevelopment to include clearing or grubbing, leveling, construction of new or additional impervious or semi-pervious surfaces such as driveways, roadways, parking lots, recreation features; construction of new buildings or additions to existing buildings; and installation of permanent Stormwater management facilities or appurtenances thereto.

1103.2 - Exemptions

The following activities may be exempted by the Director from on-site Stormwater quality runoff control. An exemption shall apply only to the requirement for on-site permanent Stormwater management facilities, systems and/ or devices, in the application for a Stormwater permit. All other Stormwater management design elements, such as a storm sewer system, road culverts, erosion and sedimentation control and runoff quality, shall be required. All exemption requests must be filed with the Department.

- A. Emergency Exemption: Emergency maintenance work performed for the protection of public health, safety and welfare. A written description of the scope and extent of any emergency work performed shall be submitted to the Department within two (2) calendar days of the commencement of the activity. If the Department finds that the work is not an emergency, then the work shall cease immediately and the requirements of this Regulation shall be addressed as applicable.
- B. Maintenance Exemption. Any maintenance to an existing Stormwater management system made in accordance with plans and specifications approved by the Department.
- C. Gardening. Use of land for gardening for home consumption.
- D. Irrigation return flows and other agricultural and non-agricultural activities excluded by 40 CFR 122.3.
- E. Improvement-related Exemption. A Stormwater management system will not be required for any net increase of impervious surface of less than one thousand square feet where the cumulative total square feet of all impervious surfaces does not exceed the impervious surface standards of the applicable zoning district. However, where the net increase in impervious surface exceeds one thousand square feet but the total disturbed area is less than five thousand square feet pursuant to a soil erosion and sediment pollution control plan /or a grading plan, the Applicant shall demonstrate compliance with this Regulation for the increased impervious surface.

1103.3 - Waivers

- A. The provisions of this Regulation are the minimum standards for the protection of the public welfare.
- B. If an applicant demonstrates to the satisfaction of the Director that any mandatory provision of this Regulation is unreasonable as it applies to the proposed Project or that an alternate design may result in a superior result within the context of Section C of this Regulation, the Director upon obtaining the comments and recommendations of staff may grant a waiver or relief so that substantial justice

may be done and public interest is secured; provided that such waiver will not have the effect of nullifying the intent and purpose of this Regulation.

- C. The applicant shall submit all requests for waivers in writing and shall include such requests as a part of their development application or during the plan review and approval process. The applicant shall state in full (1) the facts of unreasonableness on which the request is based, the provision or provisions of the Regulation that are involved, and the minimum waiver that is necessary or (2) the applicant shall state how the requested waiver and how the applicant's proposal shall result in an equal or better means of complying with the intent of Section 1102, Objectives, Section 1104, General Requirements, and Section 1105, Design Standards.
- D. The applicant shall submit all waiver requests to the Department. The Department has sixty days to act on any waiver request.
- E. The Director shall keep a written record of all actions on waiver requests.
- F. The Director may charge a fee for each waiver request, which shall be used to offset the administrative costs of reviewing the waiver request. The applicant shall also agree to reimburse the Department for reasonable and necessary fees that may be incurred by the Department in any review of a waiver request.
- G. In granting waivers, the Director may impose reasonable conditions as will, in its judgment, secure substantially the objectives of the standards or requirements that are to be modified.
- H. The Director may grant applications for waivers when the following findings are made, as relevant:
 - 1. That the waiver shall result in an equal or better means of complying with the intent of this Regulation;
 - 2. That the waiver is the minimum necessary to provide relief;
 - 3. That the applicant is not requesting a waiver based on cost considerations;
 - 4. That existing off-site Stormwater problems will not be exacerbated;
 - 5. That runoff is not being diverted to a different drainage area;
 - 6. That increased flooding or ponding on off-site properties or roadways will not occur;
 - 7. That increased peak flow or volume from the site will not occur;
 - 8. That erosive conditions due to increased peak flows or volume will not occur;
 - 9. That adverse impact to water quality will not result;
 - 10. That increased or unusual County maintenance expenses will not result from the waiver;
 - 11. That the amount of Stormwater generated has been minimized to the greatest extent allowed;
 - 12. That long term operation and maintenance activities are established;
 - 13. That the receiving streams and/or water bodies will not be adversely impacted in erosion and sedimentation.

1104 – General Requirements

- 1. The management of Stormwater on site, both during and upon completion of the land disturbances described in Section 1101 shall be accomplished in accordance with the standards and criteria of this Regulation and the requirements of the Maricopa County Drainage Policies and Standards, the Maricopa County Drainage Regulations, the Subdivision Regulations for Maricopa County and the Floodplain Regulations for Maricopa County. The design of any temporary or permanent facilities and structures and the utilization of any natural drainage systems shall be in full compliance with this Regulation and any other applicable Regulation.
- 2. The intent of these design standards is to encourage environmentally sound Stormwater management practices that provide necessary drainage facilities while protecting the hydrologic characteristics and water

quality of the site and watershed. Development shall be required to incorporate Stormwater management control.

3. Applicants shall refer to the most recent version of the Maricopa County Drainage Policies and Standards and the Maricopa County Drainage Design Manual, Vol. III, Erosion Control Handbook, or other appropriate references for guidance in the design of Stormwater management facilities, system and/ or devices, most appropriate to individual site conditions. The objectives are to achieve water quality improvement at the source or during conveyance, prior to the introduction of Stormwater into the County MS4 or any Storm Drainage System connected to the MS4.
4. The Stormwater management system shall not create an adverse impact on Stormwater quality in either upstream or downstream areas. Offsite areas, which drain to or across a site proposed for development, shall be addressed in the Stormwater Management Plan prepared for the development. No Stormwater Management Plan shall be approved unless it provides information sufficient to assure that the runoff from the project shall not adversely impact water quality in downstream areas.
5. Where deemed necessary by the Director, the applicant shall construct storm drains to handle on-site runoff to the maximum extent permitted under the County Planning Code, provide on-site/off-site drainage easements, and provide for the conveyance of off-site runoff to an acceptable outlet in the same watershed.
6. Any Stormwater management facilities regulated by this Regulation that would be located in or adjacent to Waters of the U.S. or wetlands shall continue to be subject to approval by the U.S. Army Corps of Engineers (USACOE) or other agencies through their permit processes. Proof of approval by the USACOE shall be provided by the applicant prior to the start of construction.
7. Any Stormwater management facility or part thereof regulated by this Regulation that will be located in Maricopa County Department of Transportation, Flood Control District of Maricopa County, or other County-owned rights-of-way or that will drain across or onto MCDOT, Flood Control District or other County-owned rights-of-way shall be subject to written approval, licensing or permitting by the appropriate authority. Excluding the USACOE approval process detailed in paragraph 6 above, documentation of such aforementioned approval, licensing or permitting shall be provided by the applicant at the time of application.
8. At the time of application for a building permit for any approved lot created by a subdivision and/or improved as a land development project, issuance of the permit shall be conditioned upon adherence to the terms of this Regulation.
9. Stormwater drainage to impaired waters or unique waters may be subject to additional performance criteria or may need to utilize or restrict certain Stormwater management practices.

1105 – Permanent Stormwater Management Design Standards

Design standards for post construction design and maintenance are contained in the most recent version of the Maricopa County Drainage Policies and Standards as adopted by the Maricopa County Board of Supervisors and the Board of the Flood Control District of Maricopa County. Standards for the application of Best Management Practices are found in the most recent version of the Maricopa County Drainage Design Manual, Volume III, Erosion Control. Other design requirements are found in the most recent versions of the Maricopa County Drainage Design Manuals Volume I, Hydrology, and Volume II, Hydraulics. Applicants shall refer to the version of the manuals in effect at the time the application is made.

1106 – Construction and Operation Responsibilities

1106.01 – General Responsibilities

- A. Large developments shall address Stormwater quality on a unit/phased basis as part of their drainage plans required by the Maricopa County Subdivision Regulations and Section 2.4 of the Maricopa County Drainage Policies and Standards. Large developments include those which require a Development Master Plan per Section 206 of the Maricopa County Subdivision Regulation are

typically those greater than 640 acres in size as defined in the Maricopa County Zoning Ordinance, or any significant local developments divided into units or phases which may be considered as a large development, even if less than 640 acres in size. Stormwater quality must not be left for the final phase of a development.

- B. The owner of permanent Stormwater management facilities shall be responsible for the proper operation and maintenance of those facilities during and after construction. All permanent on-site BMPs shall be operational prior to the use by any development or phase of development dependent on those BMPs. An Operation and Maintenance Plan consistent with the requirements of Section 1109 shall be prepared for review and approval by the Director and shall be executed and signed by the Department and the owner.
- C. The owner of permanent Stormwater management facilities for a tract shall be responsible for the proper installation and function of those facilities in accordance with the approved Stormwater permit. All temporary soil erosion and sedimentation control measures shall be removed or converted to their permanent configuration in accordance with an approved erosion control plan. This requirement in no way precludes the authority of the Director to determine when sufficient stabilization has occurred on a site in order to convert to the permanent Stormwater management facilities.

1106.02 – Report with Application

For all post-construction activities governed by this Regulation the Applicant shall submit with their Stormwater permit application a report which shall contain the information necessary to allow the Department to review the application. It may be necessary for some applications covering large areas to have the report prepared by a professional licensed by the State of Arizona. The information in the report may include, but is not limited to, the following:

- A. A suitable map of the watershed for all named streams within which the project is proposed with existing and proposed development areas presented on the map. A United States Geological Survey quadrangle map is sufficient.
- B. Suitable maps and drawings showing all existing natural and constructed drainage facilities affecting the subject property.
- C. Hydrologic watershed and water feature boundaries including all areas flowing to the proposed project, existing streams (including intermittent and ephemeral streams, and other bodies of water within the project area).
- D. Sufficient topographical information with elevations to verify the location of all ridges, streams, etc. Two foot contour intervals are acceptable within the project's boundaries and for proposed off-site improvement. For slopes greater than fifteen percent (15%), five (5)-foot contours are acceptable.
- E. Notes pertaining to, and locations of existing standing water, areas of heavy seepage, springs, wetlands, streams, and hydrologically sensitive areas.
- F. General type of soils with Hydrologic Soil Group noted, estimated permeability in inches per hour, and location and results of all soil tests and borings.
- G. Description of current and proposed ground cover and land use. The total area and percent of impervious cover shall be noted.
- H. A plan of the proposed Stormwater drainage system attributable to the activity proposed, including runoff calculations, Stormwater management practices to be applied both during and after development, and the expected project time schedule.
- I. The design computations for all proposed Stormwater drainage systems, including storm drain pipes, inlets, runoff control measures and culverts, drainage channels, and other features, facilities, and Stormwater management practices.
- J. A grading plan, including all areas of disturbance, of the subject activity. The total area of disturbance shall be noted in square feet and acres.

- K. A plan of the erosion and sedimentation procedures to be utilized as required by the Maricopa County grading and drainage requirements.
- L. A delineation of the pathways of all concentrated flow (that is, flow other than overland sheet flow.)
- M. An operation and maintenance plan consistent with the requirements of Section 1108. Such a plan should clearly explain how the proposed facilities operate and the functions they serve.
- N. The name of the development, the name and address of the property owner and applicant, and the names and address of the individual or firm preparing the plan.
- O. A north arrow, submission date, scale and revision dates as applicable shall be included on each page of all plans submitted.
- P. Complete delineation of the flow paths used for calculating the time of concentration for the pre-developed and post-developed conditions.
- Q. Construction details sufficient to express completely the intended Stormwater design components consistent with this Regulation.

1106.03 – “As Built” Plans

When construction is complete the applicant shall submit to the Department an actual “as built” plan for all Stormwater management facilities required per the approved Stormwater permit. The “as built” plan shall show all final design specifications for all permanent Stormwater facilities and if necessary shall be prepared and certified by a licensed professional engineer registered in the State of Arizona. The “as built” plan shall be based on an actual field survey. The “as built” plan shall be submitted to the Department for review and final inspection by the Department. Any performance and/or financial securities established for the project by the Department shall include requirements for submittal of “as built” plans.

1107 – Ownership and Maintenance

1107.1 - Ownership

All Stormwater management facilities, systems and/ or devices identified within an approved Stormwater permit shall be owned and maintained by one, or a combination of, the following entities:

- A. An individual for his or her own on-lot Stormwater management facilities not constructed as part of a subdivision and/or land development plan.
- B. Where individual on-lot Stormwater management facilities, system and/ or devices are proposed in a subdivision or other development greater than one acre, the subdivision and/or land development plan and plat shall contain a note in a form satisfactory to the Department designating the entity responsible for operation and maintenance of the on-lot facilities consistent with an approved operation and maintenance plan.
- C. An entity that owns or has a perpetual right to access the land on which the Stormwater management facilities, system and/ or devices are located. The operation and maintenance obligation runs with the land and is binding upon the initial grantees of each lot and his, her, or their heirs, administrators, successors or assigns. Stormwater management facilities, systems and/ or devices or the ownership of the land on which they are located may not be deeded or dedicated to the County or the Flood Control District.

1107.2 – Requirements for Covenants, Codes and Restrictions

- A. The subdivision and/or land development plan and plat shall contain a note in a form satisfactory to the Department granting to the Department the right, but not the duty, to enter upon the premises to repair or restore Stormwater management facilities, system and/ or devices in the event that the responsible person or entity fails to do so, to charge and assess the costs thereof to the owner and to enforce said charges and assessments by lien upon the property. In addition, the deed for each lot

shall contain a covenant binding on the grantee and all successors in interest designating the responsibility for operation and maintenance of the on-lot facilities.

- B. In addition to the above, developers of parcels with more than one (1) dwelling unit that are intended for sale and will not be held by a single owner, shall record with the County Recorder a declaration of covenants and restrictions in a form satisfactory to the Department describing the responsibility for operation and maintenance of the on-lot Stormwater management facilities, systems and/ or devices, consistent with an approved Operation and Maintenance Plan, prior to the sale of any individual lots. The terms of this covenant and restriction shall run with the land and be binding upon the initial grantees of each lot within the subdivision and his, her or their heirs, administrators, successors or assigns.

1107.3 - Homeowners or Condominium Association Ownership:

Where a homeowners' association is created to own and manage common facilities, the subdivision and/or land development plan and plat shall contain a note in a form satisfactory to the Department designating the entity responsible for construction and/or maintenance of the Stormwater management facilities consistent with an approved Operation and Maintenance Plan and, in the event that the responsible entity fails to do so, granting to the Department the right, but not the duty, to enter upon the premises to repair or restore said facilities, to charge and assess the costs thereof to each owner of property within the development and to enforce said charges and assessments by lien upon each property within the development. In addition, the developer shall record with the Maricopa County Recorder a declaration of covenants in a form satisfactory to the County setting forth the rights and responsibilities of the homeowners' association for operation and maintenance of the Stormwater management facilities, system and/ or devices, prior to the sale of individual lots. The terms of this covenant and restriction shall run with the land and be binding upon the initial grantees of each lot within the subdivision, his, her or their heirs, administrators, successors and assigns.

1108 – Operation and Maintenance Plans

An Operation and Maintenance Plan shall be prepared to identify the ownership, operation and maintenance responsibilities and as-built conditions for all Stormwater management facilities. At a minimum, the operation and maintenance plan shall include the following:

1. Any obligations concerning perpetuation and/or maintenance of natural drainage or infiltration facilities, and other facilities identified within the Stormwater permit.
2. A description of the permanent Stormwater management practices on the site, explaining how each practice is intended to function and operate over time.
3. All drainage and access easements shall be depicted and any site restrictions to be recorded against the property shall be identified on the plan. All such easements and restrictions shall be perfected to run with the land and be binding upon the landowner and any successors in interest.
4. Ownership of and responsibility for operation and maintenance of Stormwater management facilities, including names and contact information, shall be required.
5. A description of all Stormwater management facilities, written in a clear manner, consistent with the knowledge and understanding of the intended user.
6. A general description of operation and maintenance activities and responsibilities for facilities held in common or on-lot, including but not limited to: lawn care, vegetation maintenance, clean out of accumulated debris and sediment (including from grates, trash racks, inlets, etc.), liability insurance, maintenance and repair of Stormwater management facilities, landscaping and planting, payment of taxes and construction of any kind associated with the use, benefit and enjoyment of the facilities by the owners.
7. A description of routine maintenance actions and schedules necessary to ensure proper operation of Stormwater management facilities.

8. Written statement by owner giving assurances that no action will be taken by any lot owner to disrupt or in any way impair the effectiveness of any Stormwater management facilities, setting forth in deed restrictions the ability but not the duty of the Department to take corrective measures if it is determined at any time that stipulated permanent Stormwater management facilities have been eliminated, altered, or improperly maintained, including the ability of the Department to cause the work to be done and lien all costs against the property should the required corrective measures not be taken by the lot owner, following written notification, within a period of time set by the Director.
9. An explanation of how the parties responsible for the long-term operation and maintenance of Stormwater management facilities shall make records of the installation and of all maintenance and repairs, and shall retain the records until the site use changes and new permits and operation and maintenance plans are requested and approved. These records shall be submitted to the Department as established by the Operation and Maintenance Plan or if otherwise required by the Department.

1108.1 – Recording of Operation and Maintenance Plans

The owner of any land upon which permanent Stormwater management facilities and/or BMPs will be placed, constructed or implemented as described in an approved Stormwater permit and the Operations and Maintenance Plan, shall record the following documents with the Maricopa County Recorder within 15 days of approval of the Operations and Maintenance Plan by the County:

- A. The Operations and Maintenance Plan, or a summary notice thereof;
- B. Any necessary Operations and Maintenance Agreement(s); and
- C. Necessary access and/or drainage easements.

Items and/or conditions may be required to be included in any Operation and Maintenance Agreement where determined necessary by the Department to guarantee the satisfactory operation and maintenance of all permanent Stormwater facilities, system and/ or devices. The Agreement shall be subject to the review and approval of the Department.

1109 – Drainage Provisions and Flood Control Regulations

1. Provisions for on-site Stormwater retention/drainage and off-site Stormwater drainage both entering and leaving the property may be required by the Maricopa County Department of Planning and Development and Flood Control District of Maricopa County. This Stormwater Regulation and all amendments hereto shall be consistent with and subject to the regulations and provisions of the Drainage Regulation for Maricopa County and the Floodplain Regulations adopted by the Flood Control District of Maricopa County.
2. Erosion Control measures should be in conformance with BMPs identified in the most recent version of the Maricopa County Drainage Design Manual , Volume III, Erosion Control or other EPA, ADEQ or locally approved method.
3. Stormwater pollution prevention is to be addressed through the use of BMPs to the maximum extent practicable to comply with federal, state, county or local regulations or ordinances.
4. The Flood Control District has established a minimum level of control for new development discharging into District owned or operated structures. This minimum standard is “First Flush” and consists of retaining or treating the first 0.5 inches of direct runoff from a storm event. The technical details for calculating “First Flush” and an example application are found in the most recent version of the Maricopa County Drainage Policies and Standards at Standard 6.4.1. As stated in Section 1104, written approval in the form of a license, permit or easement to drain into Flood Control District-owned structures is required.

CHAPTER 12 – FEES**Fee list for Stormwater Permitting and Approval Activities**

Stormwater Pre-Construction Phase	Fee
Pre-Construction Plan Review	\$1050.00
Pre-Construction Site Inspection	\$325.00
One Additional Review of Pre-Construction plans with minor revisions and One Inspection of the Site Revisions	\$670.00
Re-Inspection of site when corrections to the site have been made following a failed initial site inspection	\$325.00
Expedited plan reviews and inspections are available at twice the standard fee	Double fee
Note: Applicant will have to re-apply for the pre-construction permit if the revised plan or site inspection resulting from a revision or re-inspection of the site fails to get approval by the Department.	
Stormwater Post-Construction Phase	Fee
Post-Construction Plan Review	\$1050.00
Post-Construction Site Inspection	\$325.00
One Additional Review of Post-Construction Plans with Minor Revisions and One Inspection of the Site Revisions	\$670.00
Re-Inspection of Site when Corrections to the Site have been made following a failed Initial Site Inspection.	\$325.00
Expedited Plan Reviews and Inspections are available at twice the standard fee	Double fee
Note: Applicant will have to re-apply for the Post-Construction Permit if the Revised Plan or Site Inspection resulting from a Revision or Re-Inspection of the Site fails to get Approval by the Department.	
Miscellaneous	Fee
Inspections by Request	\$325.00
Waivers	Fee
Fee Includes Document Reviews and Site Inspection	\$2425.00
Permit Transfers	
The fees presented are for permits and permit related activity approvals issued to a newly listed owner-operator of the site.	\$200.00
Refunds	
The client will be granted a 60% refund if the plan has not yet been assigned to department plan review staff. No refunds will be made after the department has started review of the client's plans.	

CHAPTER 13 – EFFECTIVE DATE AND ADOPTION OF REGULATION.

This Regulation shall be in full force and effect thirty (30) days after its final passage and Adoption.

PASSED AND ADOPTED this 6th day of May 2009, by the following vote: See attached

COUNTY OF MARICOPA
State of Arizona

Office of the Clerk
Board of Supervisors

State of Arizona)
County of Maricopa)

*I, Constance Copeland, Deputy Clerk of the Board of Supervisors, do hereby certify that the attached is a true and correct statement of the agenda item and the action taken by the **Board of Supervisors** at their meeting held on **May 6, 2009**:*

8. PROPOSED MARICOPA COUNTY STORM WATER REGULATION



IN WITNESS WHEREOF, I have hereunto set my hand and affixed the Official Seal of the County of Maricopa. Done at Phoenix, the County Seat, on June 22, 2009.

Constance Copeland

Deputy Clerk of the Board of Supervisors

*Environmental Services
 File:*

**Formal Meeting Minutes
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8. PROPOSED MARICOPA COUNTY STORM WATER REGULATION

Pursuant to A.R.S. §49-112, convene the scheduled public hearing to solicit comments and consider the adoption of a proposed Maricopa County Stormwater Quality Management and Discharge Control Regulation. Upon Board approval, this item will become effective from and after June 8, 2009. The adoption of this regulation also includes the adoption of approval and permit fees as outlined in Chapter 12 of the regulation.

Maricopa County meets the minimum federal requirements for designation by the United States Environmental Protection Agency (EPA) as a small Municipal Separate Storm Sewer operator or MS4. As a small MS4, the County is required by the Federal Water Pollution Control Act of 1972, commonly known as the Clean Water Act (as amended), to implement and enforce a program to improve to the maximum extent practicable the quality of Stormwater discharges from the County's Stormwater conveyance system within the unincorporated urbanized areas of the County.

Maricopa County may enact a Stormwater regulation pursuant to A.R.S. §11-251(66) and 49-371. Maricopa County, as a Municipal Separate Storm Sewer System under Phase II of the National Pollutant Discharge Elimination System (NPDES) Stormwater program of the Environmental Protection Agency (EPA) is empowered to regulate Stormwater by the authority of the Clean Water Act, 33 U.S.C. 1251 et seq.

This Regulation shall be known as the Maricopa County Stormwater Quality Management and Discharge Control Regulation. There are six minimum Stormwater control criteria required in the Phase II program by the federal regulations found at 40 CFR 122.34 and in the Arizona Phase II permit. They are:

1. Public education and outreach on stormwater impacts;
2. Public involvement and 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.

This Regulation meets Phase II permit requirements three, four and five. Requirements one, two and six are applicable to Maricopa County and do not require the adoption of language to regulate activities by others within the County areas covered by the Phase II permit.

The purpose of this Regulation is to provide for the health, safety, and general welfare of the citizens of Maricopa County through the prohibition of non-Stormwater discharges to the storm drainage system to the maximum extent practicable as required by federal and state law. This Regulation will also protect Waters of the U.S. within Maricopa County by improving the quality of the Stormwater runoff from urbanized areas to the County-owned system by means of the use of best management practices (BMPs) by the County and its citizens.

This Regulation ensures that the County is compliant with its Arizona Pollutant Discharge and Elimination System (AZPDES) permit requirements by establishing methods for controlling the introduction of pollutants into the County's municipal separate storm sewer system (MS4). The objectives of this Regulation are:

1. To regulate the contribution of pollutants to the MS4 by Stormwater discharges in unincorporated urbanized areas by any user.
2. To prohibit illicit connections and discharges to the MS4.
3. To establish legal authority to carry out all inspection, surveillance, monitoring, and enforcement procedures necessary to ensure compliance with this Regulation.

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Stormwater Pre-Construction Phase: Fee
 Pre-Construction Plan Review \$1,050.00
 Pre-Construction Site Inspection \$325.00
 One Additional Review of Pre-Construction plans with minor revisions and One Inspection of the Site Revisions \$670.00
 Re-Inspection of site when corrections to the site have been made following a failed initial site inspection \$325.00
 Expedited plan reviews and inspections are available at twice the standard fee Double fee
 Note: Applicant will have to re-apply for the pre-construction permit if the revised plan or site inspection resulting from a revision or re-inspection of the site fails to get approval by the Department.

Stormwater Post-Construction Phase: Fee

Post-Construction Plan Review \$1,050.00
 Post-Construction Site Inspection \$325.00
 One Additional Review of Post-Construction Plans with Minor Revisions and One Inspection of the Site Revisions \$670.00
 Re-Inspection of Site when Corrections to the Site have been made following a failed Initial Site Inspection \$325.00
 Expedited Plan Reviews and Inspections are available at twice the standard fee Double fee
 Note: Applicant will have to re-apply for the Post-Construction Permit if the Revised Plan or Site Inspection resulting from a Revision or Re-Inspection of the Site fails to get Approval by the Department.

Miscellaneous: Fee
 Inspections by Request \$325.00

Waivers: Fee
 Fee Includes Document Reviews and Site Inspection \$2,425.00

Permit Transfers: Fee
 The fees presented are for permits and permit related activity approvals issued to a newly listed owner-operator of the site. \$200.00

Refunds:
 The client will be granted a 60% refund if the plan has not yet been assigned to department plan review staff. No refunds will be made after the department has started review of the client's plans. (C-88-09-008-7-00)

Dan Brennan, County Attorney's Office, explained several minor clarifications/modifications, prior to the vote.

Motion to approve as amended for clarification, and with the requested status reports to the Board, by: Supervisor Wilcox, Seconded by: Supervisor Kunasek
 Ayes: Kunasek, Wilcox, Wilson
 Absent: Stapley, Brock

Outfall List

Attachment E

OUTFALL_ID	Receiving Water	LAT	LONG	Representative
MCSW-ANTHEM-001	Unnamed Wash Tributary to Deadman Wash	33.846351	-112.129229	OF
MCSW-ANTHEM-002	Unnamed Wash Tributary to Deadman Wash	33.845286	-112.135007	OF
MCSW-ANTHEM-003	Unnamed Wash Tributary to Deadman Wash	33.846479	-112.128732	OF
MCSW-ANTHEM-004	Unnamed Wash Tributary to Deadman Wash	33.844255	-112.130325	OF
MCSW-ANTHEM-005	Unnamed Wash Tributary to Deadman Wash	33.844721	-112.128406	OF
MCSW-ANTHEM-006	Unnamed Wash Tributary to Deadman Wash	33.84565	-112.120162	OF
MCSW-ANTHEM-007	Unnamed Wash Tributary to Deadman Wash	33.845867	-112.113487	OF
MCSW-ANTHEM-008	Unnamed Wash Tributary to Deadman Wash	33.84341	-112.105885	OF
MCSW-ANTHEM-009	Unnamed Wash Tributary to Deadman Wash	33.846497	-112.10907	OF
MCSW-ANTHEM-010	Unnamed Wash Tributary to Deadman Wash	33.837175	-112.136126	OF
MCSW-ANTHEM-011	Unnamed Wash Tributary to Deadman Wash	33.838071	-112.139024	Representative
MCSW-ANTHEM-012	Unnamed Wash Tributary to Deadman Wash	33.838178	-112.137824	OF
MCSW-ANTHEM-013	Unnamed Wash Tributary to Deadman Wash	33.838726	-112.137744	OF
MCSW-ANTHEM-014	Deadman Wash	33.839761	-112.139296	OF
MCSW-ANTHEM-015	Unnamed Wash Tributary to Deadman Wash	33.838249	-112.135819	OF
MCSW-ANTHEM-016	Deadman Wash	33.840947	-112.137146	OF
MCSW-ANTHEM-017	Unnamed Wash Tributary to Deadman Wash	33.846901	-112.135525	OF
MCSW-ANTHEM-018	Unnamed Wash Tributary to Deadman Wash	33.844245	-112.130888	OF
MCSW-ANTHEM-019	Unnamed Wash Tributary to Deadman Wash	33.84523	-112.135642	OF
MCSW-ANTHEM-020	Unnamed Wash Tributary to Deadman Wash	33.845798	-112.129572	OF
MCSW-ANTHEM-021	Unnamed Wash Tributary to Deadman Wash	33.845897	-112.120511	OF
MCSW-ANTHEM-022	Unnamed Wash Tributary to Deadman Wash	33.846312	-112.120017	OF
MCSW-ANTHEM-023	Unnamed Wash Tributary to Deadman Wash	33.844917	-112.116731	OF
MCSW-ANTHEM-024	Unnamed Wash Tributary to Deadman Wash	33.844093	-112.118341	OF
MCSW-ANTHEM-025	Unnamed Wash Tributary to Deadman Wash	33.843605	-112.118394	OF
MCSW-ANTHEM-026	Unnamed Wash Tributary to Deadman Wash	33.843834	-112.118043	OF
MCSW-ANTHEM-027	Unnamed Wash Tributary to Deadman Wash	33.844614	-112.115701	OF
MCSW-ANTHEM-028	Unnamed Wash Tributary to Deadman Wash	33.845582	-112.111658	OF
MCSW-ANTHEM-029	Unnamed Wash Tributary to Deadman Wash	33.846317	-112.11124	OF
MCSW-ANTHEM-030	Skunk Creek	33.842953	-112.092795	OF
MCSW-ANTHEM-031	Skunk Creek	33.846792	-112.091135	OF

Outfall List

Attachment E

MCSW-ANTHEM-032	Deadman Wash	33.84195	-112.138457	OF
MCSW-ANTHEM-033	Deadman Wash	33.842452	-112.135317	OF
MCSW-ANTHEM-034	Deadman Wash	33.843102	-112.136586	OF
MCSW-ANTHEM-035	Deadman Wash	33.84307	-112.137054	OF
MCSW-ANTHEM-036	Deadman Wash	33.842951	-112.136852	OF
MCSW-ANTHEM-037	Unnamed Wash Tributary to Deadman Wash	33.84538	-112.136091	OF
MCSW-ANTHEM-038	Unnamed Wash Tributary to Deadman Wash	33.845101	-112.135872	OF
MCSW-ANTHEM-039	Unnamed Wash Tributary to Deadman Wash	33.838204	-112.137365	OF
MCSW-ANTHEM-040	Unnamed Wash Tributary to Deadman Wash	33.838748	-112.14075	OF
MCSW-ANTHEM-041	Unnamed Wash Tributary to Deadman Wash	33.835615	-112.137142	OF
MCSW-ANTHEM-042	Unnamed Wash Tributary to Deadman Wash	33.83643	-112.136865	OF
MCSW-ANTHEM-043	Unnamed Wash Tributary to Deadman Wash	33.837542	-112.138029	OF
MCSW-ANTHEM-044	Unnamed Wash Tributary to Deadman Wash	33.843413	-112.117103	OF
MCSW-ANTHEM-045	Unnamed Wash Tributary to Deadman Wash	33.844952	-112.112605	OF
MCSW-ANTHEM-046	Unnamed Wash Tributary to Deadman Wash	33.878238	-112.138464	OF
MCSW-ANTHEM-047	Unnamed Wash Tributary to Deadman Wash	33.878033	-112.141199	OF
MCSW-ANTHEM-048	Unnamed Wash Tributary to Deadman Wash	33.876432	-112.141926	OF
MCSW-ANTHEM-049	Unnamed Wash Tributary to Deadman Wash	33.875847	-112.143989	OF
MCSW-ANTHEM-050	Unnamed Wash Tributary to Deadman Wash	33.875819	-112.140485	OF
MCSW-ANTHEM-051	Unnamed Wash Tributary to Deadman Wash	33.87529	-112.143409	OF
MCSW-ANTHEM-052	Unnamed Wash Tributary to Deadman Wash	33.87473	-112.136438	OF
MCSW-ANTHEM-053	Unnamed Wash Tributary to Deadman Wash	33.874532	-112.144522	OF
MCSW-ANTHEM-054	Unnamed Wash Tributary to Deadman Wash	33.873929	-112.144683	OF
MCSW-ANTHEM-055	Unnamed Wash Tributary to Deadman Wash	33.873882	-112.144097	OF
MCSW-ANTHEM-056	Unnamed Wash Tributary to Deadman Wash	33.873477	-112.13772	OF
MCSW-ANTHEM-057	Unnamed Wash Tributary to Deadman Wash	33.873373	-112.144171	OF
MCSW-ANTHEM-058	Unnamed Wash Tributary to Deadman Wash	33.873316	-112.144798	OF
MCSW-ANTHEM-059	Unnamed Wash Tributary to Deadman Wash	33.873159	-112.14423	OF
MCSW-ANTHEM-060	Unnamed Wash Tributary to Deadman Wash	33.872727	-112.144208	OF
MCSW-ANTHEM-061	Unnamed Wash Tributary to Deadman Wash	33.872666	-112.138688	OF
MCSW-ANTHEM-062	Unnamed Wash Tributary to Deadman Wash	33.872322	-112.145029	OF
MCSW-ANTHEM-063	Unnamed Wash Tributary to Deadman Wash	33.871962	-112.144338	OF
MCSW-ANTHEM-064	Unnamed Wash Tributary to Deadman Wash	33.871326	-112.144356	OF

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MCSW-ANTHEM-065	Unnamed Wash Tributary to Deadman Wash	33.87125	-112.135487	OF
MCSW-ANTHEM-066	Unnamed Wash Tributary to Deadman Wash	33.870923	-112.135835	OF
MCSW-ANTHEM-067	Unnamed Wash Tributary to Deadman Wash	33.870546	-112.135694	OF
MCSW-ANTHEM-068	Unnamed Wash Tributary to Deadman Wash	33.870545	-112.124901	OF
MCSW-ANTHEM-069	Unnamed Wash Tributary to Deadman Wash	33.870519	-112.139271	OF
MCSW-ANTHEM-070	Unnamed Wash Tributary to Deadman Wash	33.869854	-112.126225	OF
MCSW-ANTHEM-071	Unnamed Wash Tributary to Deadman Wash	33.869838	-112.126302	OF
MCSW-ANTHEM-072	Unnamed Wash Tributary to Deadman Wash	33.869772	-112.140181	OF
MCSW-ANTHEM-073	Unnamed Wash Tributary to Deadman Wash	33.869771	-112.111246	OF
MCSW-ANTHEM-074	Unnamed Wash Tributary to Deadman Wash	33.86958	-112.128885	OF
MCSW-ANTHEM-075	Unnamed Wash Tributary to Deadman Wash	33.869569	-112.121705	OF
MCSW-ANTHEM-076	Unnamed Wash Tributary to Deadman Wash	33.869562	-112.121412	OF
MCSW-ANTHEM-077	Deadman Wash	33.869201	-112.098224	OF
MCSW-ANTHEM-078	Unnamed Wash Tributary to Deadman Wash	33.869182	-112.116535	OF
MCSW-ANTHEM-079	Unnamed Wash Tributary to Deadman Wash	33.869148	-112.140291	OF
MCSW-ANTHEM-080	Unnamed Wash Tributary to Deadman Wash	33.868977	-112.129958	OF
MCSW-ANTHEM-081	Unnamed Wash Tributary to Deadman Wash	33.868822	-112.137655	OF
MCSW-ANTHEM-082	Unnamed Wash Tributary to Deadman Wash	33.868684	-112.127822	OF
MCSW-ANTHEM-083	Unnamed Wash Tributary to Deadman Wash	33.868656	-112.119434	OF
MCSW-ANTHEM-084	Unnamed Wash Tributary to Deadman Wash	33.868505	-112.108096	OF
MCSW-ANTHEM-085	Unnamed Wash Tributary to Skunk Creek	33.868103	-112.097154	OF
MCSW-ANTHEM-086	Unnamed Wash Tributary to Deadman Wash	33.867798	-112.119891	OF
MCSW-ANTHEM-087	Unnamed Wash Tributary to Deadman Wash	33.867539	-112.130744	OF
MCSW-ANTHEM-088	Unnamed Wash Tributary to Deadman Wash	33.867444	-112.129082	OF
MCSW-ANTHEM-089	Unnamed Wash Tributary to Deadman Wash	33.867185	-112.123447	OF
MCSW-ANTHEM-090	Unnamed Wash Tributary to Skunk Creek	33.867073	-112.096028	OF
MCSW-ANTHEM-091	Unnamed Wash Tributary to Deadman Wash	33.866929	-112.120561	OF
MCSW-ANTHEM-092	Unnamed Wash Tributary to Deadman Wash	33.866852	-112.113709	OF
MCSW-ANTHEM-093	Unnamed Wash Tributary to Deadman Wash	33.866848	-112.13833	OF
MCSW-ANTHEM-094	Unnamed Wash Tributary to Skunk Creek	33.866814	-112.095326	OF
MCSW-ANTHEM-095	Unnamed Wash Tributary to Deadman Wash	33.866439	-112.109538	OF
MCSW-ANTHEM-096	Unnamed Wash Tributary to Deadman Wash	33.866185	-112.124892	OF
MCSW-ANTHEM-097	Unnamed Wash Tributary to Deadman Wash	33.86618	-112.133317	OF

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MCSW-ANTHEM-098	Unnamed Wash Tributary to Deadman Wash	33.86612	-112.11437	OF
MCSW-ANTHEM-099	Unnamed Wash	33.866048	-112.102927	OF
MCSW-ANTHEM-100	Unnamed Wash Tributary to Deadman Wash	33.865899	-112.110402	OF
MCSW-ANTHEM-101	Unnamed Wash Tributary to Deadman Wash	33.865692	-112.131808	OF
MCSW-ANTHEM-102	Unnamed Wash Tributary to Deadman Wash	33.865487	-112.114605	OF
MCSW-ANTHEM-103	Unnamed Wash Tributary to Deadman Wash	33.865043	-112.112751	OF
MCSW-ANTHEM-104	Unnamed Wash Tributary to Deadman Wash	33.865006	-112.133338	OF
MCSW-ANTHEM-105	Unnamed Wash Tributary to Deadman Wash	33.864855	-112.118918	OF
MCSW-ANTHEM-106	Unnamed Wash Tributary to Deadman Wash	33.864791	-112.132545	OF
MCSW-ANTHEM-107	Unnamed Wash Tributary to Deadman Wash	33.864681	-112.119472	OF
MCSW-ANTHEM-108	Unnamed Wash Tributary to Deadman Wash	33.864105	-112.125509	OF
MCSW-ANTHEM-109	Deadman Wash	33.86407	-112.100879	OF
MCSW-ANTHEM-110	Skunk Creek	33.864013	-112.083872	OF
MCSW-ANTHEM-111	Unnamed Wash Tributary to Deadman Wash	33.863952	-112.141425	OF
MCSW-ANTHEM-112	Unnamed Wash Tributary to Deadman Wash	33.863883	-112.141478	OF
MCSW-ANTHEM-113	Unnamed Wash Tributary to Deadman Wash	33.863738	-112.114661	OF
MCSW-ANTHEM-114	Unnamed Wash Tributary to Skunk Creek	33.863664	-112.093893	OF
MCSW-ANTHEM-115	Unnamed Wash Tributary to Deadman Wash	33.863554	-112.102616	OF
MCSW-ANTHEM-116	Unnamed Wash Tributary to Deadman Wash	33.863519	-112.131404	OF
MCSW-ANTHEM-117	Unnamed Wash Tributary to Deadman Wash	33.863501	-112.115289	OF
MCSW-ANTHEM-118	Unnamed Wash Tributary to Deadman Wash	33.863373	-112.12621	OF
MCSW-ANTHEM-119	Unnamed Wash Tributary to Deadman Wash	33.863344	-112.133371	OF
MCSW-ANTHEM-120	Unnamed Wash Tributary to Deadman Wash	33.863332	-112.133473	OF
MCSW-ANTHEM-121	Unnamed Wash Tributary to Skunk Creek	33.863302	-112.084829	OF
MCSW-ANTHEM-122	Unnamed Wash Tributary to Deadman Wash	33.863203	-112.133608	OF
MCSW-ANTHEM-123	Deadman Wash	33.862916	-112.100326	OF
MCSW-ANTHEM-124	Unnamed Wash Tributary to Deadman Wash	33.862766	-112.126302	OF
MCSW-ANTHEM-125	Unnamed Wash Tributary to Deadman Wash	33.862437	-112.124006	OF
MCSW-ANTHEM-126	Unnamed Wash Tributary to Skunk Creek	33.862399	-112.09348	OF
MCSW-ANTHEM-127	Unnamed Wash Tributary to Deadman Wash	33.862324	-112.126583	OF
MCSW-ANTHEM-128	Unnamed Wash Tributary to Deadman Wash	33.862105	-112.142232	OF
MCSW-ANTHEM-129	Unnamed Wash Tributary to Deadman Wash	33.862005	-112.102904	OF
MCSW-ANTHEM-130	Unnamed Wash Tributary to Deadman Wash	33.86151	-112.103927	OF

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MCSW-ANTHEM-131	Unnamed Wash Tributary to Deadman Wash	33.861475	-112.116089	OF
MCSW-ANTHEM-132	Unnamed Wash Tributary to Deadman Wash	33.861087	-112.116391	OF
MCSW-ANTHEM-133	Unnamed Wash Tributary to Deadman Wash	33.860923	-112.128711	OF
MCSW-ANTHEM-134	Unnamed Wash Tributary to Deadman Wash	33.860841	-112.132747	OF
MCSW-ANTHEM-135	Unnamed Wash Tributary to Deadman Wash	33.860818	-112.125857	OF
MCSW-ANTHEM-136	Unnamed Wash Tributary to Deadman Wash	33.860794	-112.109389	OF
MCSW-ANTHEM-137	Unnamed Wash Tributary to Deadman Wash	33.860621	-112.126832	OF
MCSW-ANTHEM-138	Unnamed Wash Tributary to Deadman Wash	33.860544	-112.105421	OF
MCSW-ANTHEM-139	Unnamed Wash Tributary to Deadman Wash	33.860441	-112.108405	OF
MCSW-ANTHEM-140	Unnamed Wash Tributary to Deadman Wash	33.860221	-112.142538	OF
MCSW-ANTHEM-141	Unnamed Wash Tributary to Deadman Wash	33.860199	-112.105295	OF
MCSW-ANTHEM-142	Unnamed Wash Tributary to Deadman Wash	33.860048	-112.126721	OF
MCSW-ANTHEM-143	Unnamed Wash Tributary to Deadman Wash	33.85974	-112.128169	OF
MCSW-ANTHEM-144	Unnamed Wash Tributary to Deadman Wash	33.859581	-112.129358	OF
MCSW-ANTHEM-145	Unnamed Wash Tributary to Deadman Wash	33.85953	-112.109492	OF
MCSW-ANTHEM-146	Skunk Creek	33.85938	-112.08544	OF
MCSW-ANTHEM-147	Deadman Wash	33.859302	-112.103673	OF
MCSW-ANTHEM-148	Unnamed Wash Tributary to Deadman Wash	33.859275	-112.108935	OF
MCSW-ANTHEM-149	Unnamed Wash Tributary to Skunk Creek	33.859266	-112.090405	OF
MCSW-ANTHEM-150	Unnamed Wash Tributary to Skunk Creek	33.859145	-112.090662	OF
MCSW-ANTHEM-151	Unnamed Wash Tributary to Deadman Wash	33.859117	-112.10981	OF
MCSW-ANTHEM-152	Unnamed Wash Tributary to Skunk Creek	33.859094	-112.090327	OF
MCSW-ANTHEM-153	Unnamed Wash Tributary to Deadman Wash	33.858719	-112.110129	OF
MCSW-ANTHEM-154	Unnamed Wash Tributary to Deadman Wash	33.858661	-112.114468	OF
MCSW-ANTHEM-155	Unnamed Wash Tributary to Deadman Wash	33.858461	-112.117712	OF
MCSW-ANTHEM-156	Unnamed Wash Tributary to Deadman Wash	33.858347	-112.117822	OF
MCSW-ANTHEM-157	Unnamed Wash Tributary to Deadman Wash	33.858341	-112.10578	OF
MCSW-ANTHEM-158	Unnamed Wash Tributary to Skunk Creek	33.858252	-112.086949	OF
MCSW-ANTHEM-159	Unnamed Wash Tributary to Skunk Creek	33.858198	-112.086785	OF
MCSW-ANTHEM-160	Unnamed Wash Tributary to Deadman Wash	33.858007	-112.106049	OF
MCSW-ANTHEM-161	Unnamed Wash Tributary to Deadman Wash	33.857937	-112.118559	OF
MCSW-ANTHEM-162	Unnamed Wash Tributary to Deadman Wash	33.857216	-112.128128	OF
MCSW-ANTHEM-163	Unnamed Wash Tributary to Deadman Wash	33.857097	-112.115057	OF

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MCSW-ANTHEM-164	Unnamed Wash Tributary to Deadman Wash	33.857044	-112.109501	OF
MCSW-ANTHEM-165	Unnamed Wash Tributary to Deadman Wash	33.85701	-112.109501	OF
MCSW-ANTHEM-166	Unnamed Wash Tributary to Deadman Wash	33.856988	-112.128827	OF
MCSW-ANTHEM-167	Unnamed Wash Tributary to Deadman Wash	33.856986	-112.098375	OF
MCSW-ANTHEM-168	Unnamed Wash Tributary to Deadman Wash	33.856983	-112.134256	OF
MCSW-ANTHEM-169	Unnamed Wash Tributary to Deadman Wash	33.856963	-112.114705	OF
MCSW-ANTHEM-170	Unnamed Wash Tributary to Deadman Wash	33.856939	-112.11492	OF
MCSW-ANTHEM-171	Deadman Wash	33.85691	-112.106099	OF
MCSW-ANTHEM-172	Deadman Wash	33.856836	-112.106001	OF
MCSW-ANTHEM-173	Unnamed Wash Tributary to Deadman Wash	33.856816	-112.114924	OF
MCSW-ANTHEM-174	Unnamed Wash Tributary to Deadman Wash	33.85679	-112.13421	OF
MCSW-ANTHEM-175	Unnamed Wash Tributary to Deadman Wash	33.856642	-112.095431	OF
MCSW-ANTHEM-176	Unnamed Wash Tributary to Deadman Wash	33.856511	-112.141727	OF
MCSW-ANTHEM-177	Unnamed Wash Tributary to Deadman Wash	33.856464	-112.130151	OF
MCSW-ANTHEM-178	Unnamed Wash Tributary to Deadman Wash	33.856458	-112.130135	OF
MCSW-ANTHEM-179	Unnamed Wash Tributary to Deadman Wash	33.856309	-112.101647	OF
MCSW-ANTHEM-180	Unnamed Wash Tributary to Deadman Wash	33.856192	-112.120526	OF
MCSW-ANTHEM-181	Unnamed Wash Tributary to Deadman Wash	33.856101	-112.1416	OF
MCSW-ANTHEM-182	Unnamed Wash Tributary to Deadman Wash	33.856089	-112.095399	OF
MCSW-ANTHEM-183	Unnamed Wash Tributary to Deadman Wash	33.855955	-112.122728	OF
MCSW-ANTHEM-184	Unnamed Wash Tributary to Deadman Wash	33.855886	-112.137183	OF
MCSW-ANTHEM-185	Skunk Creek	33.855882	-112.086609	OF
MCSW-ANTHEM-186	Unnamed Wash Tributary to Deadman Wash	33.855857	-112.129593	OF
MCSW-ANTHEM-187	Unnamed Wash Tributary to Deadman Wash	33.855777	-112.122528	OF
MCSW-ANTHEM-188	Unnamed Wash Tributary to Deadman Wash	33.855558	-112.103677	OF
MCSW-ANTHEM-189	Unnamed Wash Tributary to Deadman Wash	33.855509	-112.111735	OF
MCSW-ANTHEM-190	Unnamed Wash Tributary to Deadman Wash	33.855447	-112.103856	OF
MCSW-ANTHEM-191	Unnamed Wash Tributary to Deadman Wash	33.855359	-112.134011	OF
MCSW-ANTHEM-192	Deadman Wash	33.855323	-112.108374	OF
MCSW-ANTHEM-193	Unnamed Wash Tributary to Deadman Wash	33.855133	-112.129868	OF
MCSW-ANTHEM-194	Unnamed Wash Tributary to Deadman Wash	33.854989	-112.096388	OF
MCSW-ANTHEM-195	Unnamed Wash Tributary to Deadman Wash	33.854975	-112.133537	OF
MCSW-ANTHEM-196	Unnamed Wash Tributary to Deadman Wash	33.85487	-112.098369	OF

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MCSW-ANTHEM-197	Deadman Wash	33.854671	-112.111017	OF
MCSW-ANTHEM-198	Unnamed Wash Tributary to Deadman Wash	33.854662	-112.105116	OF
MCSW-ANTHEM-199	Unnamed Wash Tributary to Deadman Wash	33.854578	-112.105307	OF
MCSW-ANTHEM-200	Unnamed Wash Tributary to Deadman Wash	33.854489	-112.135831	OF
MCSW-ANTHEM-201	Unnamed Wash Tributary to Deadman Wash	33.854483	-112.131021	OF
MCSW-ANTHEM-202	Unnamed Wash Tributary to Deadman Wash	33.85446	-112.096886	OF
MCSW-ANTHEM-203	Unnamed Wash Tributary to Deadman Wash	33.854362	-112.130631	OF
MCSW-ANTHEM-204	Unnamed Wash Tributary to Deadman Wash	33.854341	-112.123717	OF
MCSW-ANTHEM-205	Deadman Wash	33.854295	-112.108555	OF
MCSW-ANTHEM-206	Unnamed Wash Tributary to Deadman Wash	33.854271	-112.122758	OF
MCSW-ANTHEM-207	Unnamed Wash Tributary to Deadman Wash	33.853811	-112.136417	OF
MCSW-ANTHEM-208	Unnamed Wash Tributary to Deadman Wash	33.853775	-112.136694	OF
MCSW-ANTHEM-209	Unnamed Wash Tributary to Deadman Wash	33.85351	-112.136489	OF
MCSW-ANTHEM-210	Unnamed Wash Tributary to Deadman Wash	33.85346	-112.136166	OF
MCSW-ANTHEM-211	Skunk Creek	33.8534	-112.086889	OF
MCSW-ANTHEM-212	Unnamed Wash Tributary to Deadman Wash	33.8534	-112.135562	OF
MCSW-ANTHEM-213	Unnamed Wash Tributary to Deadman Wash	33.853368	-112.131855	OF
MCSW-ANTHEM-214	Deadman Wash	33.853324	-112.113902	OF
MCSW-ANTHEM-215	Unnamed Wash Tributary to Deadman Wash	33.85321	-112.131055	OF
MCSW-ANTHEM-216	Unnamed Wash Tributary to Deadman Wash	33.853062	-112.098067	OF
MCSW-ANTHEM-217	Unnamed Wash Tributary to Deadman Wash	33.852924	-112.136046	OF
MCSW-ANTHEM-218	Unnamed Wash Tributary to Deadman Wash	33.852921	-112.102571	OF
MCSW-ANTHEM-219	Unnamed Wash Tributary to Deadman Wash	33.852891	-112.100976	OF
MCSW-ANTHEM-220	Unnamed Wash Tributary to Deadman Wash	33.852313	-112.123706	OF
MCSW-ANTHEM-221	Unnamed Wash Tributary to Deadman Wash	33.852211	-112.132884	OF
MCSW-ANTHEM-222	Deadman Wash	33.852175	-112.115564	OF
MCSW-ANTHEM-223	Unnamed Wash Tributary to Deadman Wash	33.852157	-112.133297	OF
MCSW-ANTHEM-224	Skunk Creek	33.85208	-112.086569	OF
MCSW-ANTHEM-225	Unnamed Wash Tributary to Deadman Wash	33.852071	-112.136321	OF
MCSW-ANTHEM-226	Unnamed Wash Tributary to Deadman Wash	33.852067	-112.123217	OF
MCSW-ANTHEM-227	Unnamed Wash Tributary to Deadman Wash	33.85184	-112.133977	OF
MCSW-ANTHEM-228	Unnamed Wash Tributary to Deadman Wash	33.851636	-112.108637	OF
MCSW-ANTHEM-229	Unnamed Wash Tributary to Deadman Wash	33.851367	-112.136962	OF

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MCSW-ANTHEM-230	Unnamed Wash Tributary to Deadman Wash	33.851263	-112.13665	OF
MCSW-ANTHEM-231	Unnamed Wash Tributary to Deadman Wash	33.85108	-112.133852	OF
MCSW-ANTHEM-232	Deadman Wash	33.850788	-112.117003	OF
MCSW-ANTHEM-233	Unnamed Wash Tributary to Deadman Wash	33.850693	-112.125424	OF
MCSW-ANTHEM-234	Deadman Wash	33.850645	-112.118764	OF
MCSW-ANTHEM-235	Unnamed Wash Tributary to Deadman Wash	33.850609	-112.106309	OF
MCSW-ANTHEM-236	Unnamed Wash Tributary to Deadman Wash	33.850411	-112.135246	OF
MCSW-ANTHEM-237	Unnamed Wash Tributary to Deadman Wash	33.850366	-112.108901	OF
MCSW-ANTHEM-238	Unnamed Wash Tributary to Deadman Wash	33.850349	-112.134713	OF
MCSW-ANTHEM-239	Unnamed Wash Tributary to Deadman Wash	33.850165	-112.125382	OF
MCSW-ANTHEM-240	Unnamed Wash Tributary to Deadman Wash	33.849811	-112.106687	OF
MCSW-ANTHEM-241	Unnamed Wash Tributary to Deadman Wash	33.849592	-112.115553	OF
MCSW-ANTHEM-242	Deadman Wash	33.849559	-112.123425	OF
MCSW-ANTHEM-243	Unnamed Wash Tributary to Deadman Wash	33.849419	-112.134294	OF
MCSW-ANTHEM-244	Skunk Creek	33.8494	-112.089858	OF
MCSW-ANTHEM-245	Deadman Wash	33.84939	-112.121718	OF
MCSW-ANTHEM-246	Unnamed Wash Tributary to Deadman Wash	33.849369	-112.137579	OF
MCSW-ANTHEM-247	Deadman Wash	33.849287	-112.119191	OF
MCSW-ANTHEM-248	Unnamed Wash Tributary to Deadman Wash	33.849238	-112.126368	OF
MCSW-ANTHEM-249	Unnamed Wash Tributary to Deadman Wash	33.849119	-112.137178	OF
MCSW-ANTHEM-250	Unnamed Wash Tributary to Deadman Wash	33.848805	-112.137778	OF
MCSW-ANTHEM-251	Unnamed Wash Tributary to Deadman Wash	33.848688	-112.127039	OF
MCSW-ANTHEM-252	Unnamed Wash Tributary to Deadman Wash	33.848467	-112.109811	OF
MCSW-ANTHEM-253	Unnamed Wash Tributary to Deadman Wash	33.848393	-112.138117	OF
MCSW-ANTHEM-254	Unnamed Wash Tributary to Deadman Wash	33.848311	-112.137737	OF
MCSW-ANTHEM-255	Unnamed Wash Tributary to Deadman Wash	33.848253	-112.134863	OF
MCSW-ANTHEM-256	Unnamed Wash Tributary to Deadman Wash	33.848215	-112.138017	OF
MCSW-ANTHEM-257	Unnamed Wash Tributary to Deadman Wash	33.847988	-112.104597	OF
MCSW-ANTHEM-258	Deadman Wash	33.847914	-112.125386	OF
MCSW-ANTHEM-259	Unnamed Wash Tributary to Deadman Wash	33.84788	-112.116444	OF
MCSW-ANTHEM-260	Unnamed Wash Tributary to Deadman Wash	33.84775	-112.112548	OF
MCSW-ANTHEM-261	Unnamed Wash Tributary to Deadman Wash	33.847462	-112.112405	OF
MCSW-ANTHEM-262	Unnamed Wash Tributary to Deadman Wash	33.847373	-112.127949	OF

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MCSW-ANTHEM-263	Deadman Wash	33.847312	-112.122238	OF
MCSW-ANTHEM-264	Unnamed Wash Tributary to Deadman Wash	33.847157	-112.135483	OF
MCSW-ANTHEM-265	Unnamed Wash Tributary to Deadman Wash	33.84712	-112.108593	OF
MCSW-ANTHEM-266	Unnamed Wash Tributary to Deadman Wash	33.847018	-112.117818	OF
MCSW-ANTHEM-267	Unnamed Wash Tributary to Deadman Wash	33.846981	-112.106203	OF
MCSW-CAVCRK-001	Cave Creek	33.798913	-111.996521	OF
MCSW-CAVCRK-002	Cave Creek	33.798908	-111.995161	OF
MCSW-CAVCRK-003	Cave Creek	33.799283	-111.994939	OF
MCSW-CAVCRK-004	Cave Creek	33.799302	-111.996322	OF
MCSW-EAST-001	Salt River	33.450099	-111.857805	OF
MCSW-EAST-002	Salt River	33.448286	-111.85663	OF
MCSW-EAST-003	Salt River	33.448255	-111.856807	OF
MCSW-EAST-004	Salt River	33.447563	-111.856736	OF
MCSW-EAST-005	Unnamed Wash	33.436705	-111.588106	OF
MCSW-EAST-006	Unnamed Wash	33.436669	-111.586226	OF
MCSW-EAST-007	Unnamed Wash	33.429683	-111.585544	OF
MCSW-EAST-008	Unnamed Wash	33.429681	-111.586234	OF
MCSW-EAST-009	Unnamed Wash	33.429475	-111.593741	OF
MCSW-EAST-010	Unnamed Wash	33.426673	-111.597566	OF
MCSW-EAST-011	Central Arizona Project Canal	33.426087	-111.632751	OF
MCSW-EAST-012	Central Arizona Project Canal	33.425959	-111.632745	OF
MCSW-EAST-013	Central Arizona Project Canal	33.425959	-111.632539	OF
MCSW-EAST-014	Central Arizona Project Canal	33.425872	-111.632751	OF
MCSW-EAST-015	Unnamed Wash	33.424542	-111.601192	OF
MCSW-EAST-016	Unnamed Wash	33.422181	-111.605325	OF
MCSW-EAST-017	Unnamed Wash	33.421327	-111.589418	OF
MCSW-EAST-018	Unnamed Wash	33.420584	-111.607857	OF
MCSW-EAST-019	Unnamed Wash	33.418767	-111.611659	OF
MCSW-EAST-020	Central Arizona Project Canal	33.417009	-111.61545	OF
MCSW-EAST-021	Central Arizona Project Canal	33.416921	-111.615214	OF
MCSW-EAST-022	Unnamed Wash	33.414384	-111.632588	OF
MCSW-EAST-023	Unnamed Wash	33.414162	-111.632783	OF
MCSW-EAST-024	Unnamed Wash	33.411444	-111.590371	OF

Outfall List

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MCSW-EAST-025	Unnamed Wash	33.411382	-111.597761	OF
MCSW-EAST-026	Unnamed Wash	33.411377	-111.594773	OF
MCSW-EAST-027	Unnamed Wash	33.411368	-111.592251	OF
MCSW-EAST-028	Unnamed Wash	33.411368	-111.595658	OF
MCSW-EAST-029	Unnamed Wash	33.411353	-111.590483	OF
MCSW-EAST-030	Unnamed Wash	33.408967	-111.632894	OF
MCSW-EAST-031	Unnamed Wash	33.408856	-111.632894	OF
MCSW-EAST-032	Unnamed Wash	33.408856	-111.632894	Representative
MCSW-EAST-033	Unnamed Wash	33.408856	-111.632616	OF
MCSW-EAST-034	Unnamed Wash	33.400639	-111.639225	OF
MCSW-EAST-035	Unnamed Wash	33.400557	-111.63915	OF
MCSW-EAST-036	Unnamed Wash	33.393757	-111.586987	OF
MCSW-EAST-037	Unnamed Wash	33.393663	-111.585243	OF
MCSW-EAST-038	Unnamed Wash	33.393658	-111.585184	OF
MCSW-EAST-039	Unnamed Wash	33.393645	-111.585128	OF
MCSW-EAST-040	Unnamed Wash	33.364673	-111.687371	OF
MCSW-EAST-041	Unnamed Wash	33.364653	-111.687433	OF
MCSW-EAST-042	Unnamed Wash	33.364136	-111.687658	OF
MCSW-EAST-043	Roosevelt Canal-East	33.363154	-111.687642	OF
MCSW-EAST-044	Unnamed Wash	33.248534	-111.711688	OF
MCSW-EAST-045	Unnamed Wash	33.248502	-111.7073	OF
MCSW-EAST-046	Sonoqui Wash Channelization Phase III	33.219244	-111.648084	OF
MCSW-EAST-047	Sonoqui Wash Channelization Phase III	33.219177	-111.64795	OF
MCSW-EAST-048	Queen Creek	33.230079	-111.59405	OF
MCSW-EAST-049	Sonoqui Wash	33.219084	-111.647677	Representative
MCSW-SCITY-001	McMicken Wash	33.683697	-112.32567	OF
MCSW-SCITY-002	McMicken Wash	33.683021	-112.325676	OF
MCSW-SCITY-003	Unnamed Wash	33.682024	-112.331105	OF
MCSW-SCITY-004	McMicken Wash	33.673	-112.325323	OF
MCSW-SCITY-005	McMicken Wash	33.66474	-112.325384	Representative
MCSW-SCITY-006	McMicken Wash	33.663955	-112.32369	OF
MCSW-SCITY-007	McMicken Wash	33.663227	-112.323744	OF
MCSW-SCITY-008	Unnamed Wash	33.630164	-112.301844	OF

Outfall List

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MCSW-SCITY-009	Unnamed Wash	33.628728	-112.301743	OF
MCSW-SCITY-010	Unnamed Wash	33.628257	-112.301721	OF
MCSW-SCITY-011	Unnamed Wash	33.626464	-112.301563	OF
MCSW-SCITY-012	Unnamed Wash	33.624107	-112.30122	OF
MCSW-SCITY-013	Agua Fria River	33.622456	-112.301016	OF
MCSW-SCITY-014	Agua Fria River	33.62111	-112.300903	Representative
MCSW-SCITY-015	Agua Fria River	33.618497	-112.300769	OF
MCSW-SCITY-016	Agua Fria River	33.617536	-112.300714	OF
MCSW-SCITY-017	Agua Fria River	33.615696	-112.300721	OF
MCSW-SCITY-018	Agua Fria River	33.615696	-112.300721	OF
MCSW-SCITY-019	Agua Fria River	33.614029	-112.301365	OF
MCSW-SCITY-020	Agua Fria River	33.611086	-112.302078	OF
MCSW-SCITY-021	Agua Fria River	33.61058	-112.302223	OF
MCSW-SCITY-022	Agua Fria River	33.608177	-112.302818	OF
MCSW-SCITY-023	Agua Fria River	33.607426	-112.304073	OF
MCSW-SCITY-024	New River	33.598504	-112.263854	OF
MCSW-SCITY-025	New River	33.595637	-112.263832	OF
MCSW-SCITY-026	New River	33.588036	-112.264465	OF
MCSW-SCITY-027	Unnamed Wash	33.57079	-112.27393	OF
MCSW-SCITY-028	New River	33.568343	-112.272552	OF
MCSW-SCITY-029	Unnamed Wash	33.56538	-112.300725	OF
MCSW-SCITY-030	Unnamed Wash	33.565578	-112.300773	OF
MCSW-SCITY-031	Unnamed Wash	33.648499	-112.298523	OF
MCSW-WEST-001	Unnamed Wash	33.576323	-112.46147	OF
MCSW-WEST-002	Unnamed Wash	33.571798	-112.461465	OF
MCSW-WEST-003	Unnamed Wash	33.569187	-112.461465	OF
MCSW-WEST-004	Unnamed Wash	33.549626	-112.297956	OF
MCSW-WEST-005	Unnamed Wash	33.547929	-112.297958	OF
MCSW-WEST-006	Unnamed Wash	33.545061	-112.297943	OF
MCSW-WEST-007	Unnamed Wash	33.543703	-112.297765	OF
MCSW-WEST-008	Unnamed wash	33.525662	-112.353927	OF
MCSW-WEST-009	Unnamed Wash	33.525499	-112.353408	OF
MCSW-WEST-010	Unnamed Wash	33.52491	-112.353237	OF

Outfall List

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MCSW-WEST-011	Unnamed Wash	33.524696	-112.352743	OF
MCSW-WEST-012	Unnamed Wash	33.523912	-112.351957	OF
MCSW-WEST-013	Unnamed Wash	33.523858	-112.352206	OF
MCSW-WEST-014	Unnamed Wash	33.523159	-112.351605	OF
MCSW-WEST-015	Unnamed Wash	33.52267	-112.356298	OF
MCSW-WEST-016	Unnamed Wash	33.522384	-112.351136	OF
MCSW-WEST-017	Unnamed Wash	33.52138	-112.34937	OF
MCSW-WEST-018	Unnamed Wash	33.521054	-112.349124	OF
MCSW-WEST-019	Unnamed Wash	33.520787	-112.353568	OF
MCSW-WEST-020	Unnamed Wash	33.520531	-112.353681	OF
MCSW-WEST-021	Unnamed Wash	33.519981	-112.353551	OF
MCSW-WEST-022	Unnamed Wash	33.519841	-112.348918	OF
MCSW-WEST-023	Unnamed Wash	33.518252	-112.349145	OF
MCSW-WEST-024	Unnamed Wash	33.517639	-112.356115	OF
MCSW-WEST-025	Unnamed Wash	33.517612	-112.357265	OF
MCSW-WEST-026	Unnamed Wash	33.517495	-112.34857	OF
MCSW-WEST-027	Unnamed Wash	33.51653	-112.348989	OF
MCSW-WEST-028	Unnamed Wash	33.516507	-112.349011	OF
MCSW-WEST-029	Unnamed Wash	33.516423	-112.354156	OF
MCSW-WEST-030	Unnamed Wash	33.516404	-112.348683	OF
MCSW-WEST-031	Unnamed Wash	33.516205	-112.348758	OF
MCSW-WEST-032	Unnamed Wash	33.515527	-112.349674	OF
MCSW-WEST-033	Unnamed Wash	33.515498	-112.349059	OF
MCSW-WEST-034	Unnamed Wash	33.515498	-112.353223	OF
MCSW-WEST-035	Unnamed Wash	33.515498	-112.348876	OF
MCSW-WEST-036	Unnamed Wash	33.515235	-112.351275	OF
MCSW-WEST-037	Unnamed Wash	33.508327	-112.470624	OF
MCSW-WEST-038	Agua Fria River	33.507318	-112.315702	OF
MCSW-WEST-039	Unnamed Wash	33.485513	-112.470106	OF
MCSW-WEST-040	Former-Beardsley Canal	33.47905	-112.470102	OF
MCSW-WEST-041	Unnamed Wash	33.428423	-112.548487	OF
MCSW-WEST-042	Unnamed wash	33.515179	-112.349514	OF
MCSW-WEST-043	Unnamed Wash	33.519973	-112.348883	OF

Map Excerpt Detailing Stormwater Drainage into a Local Wash

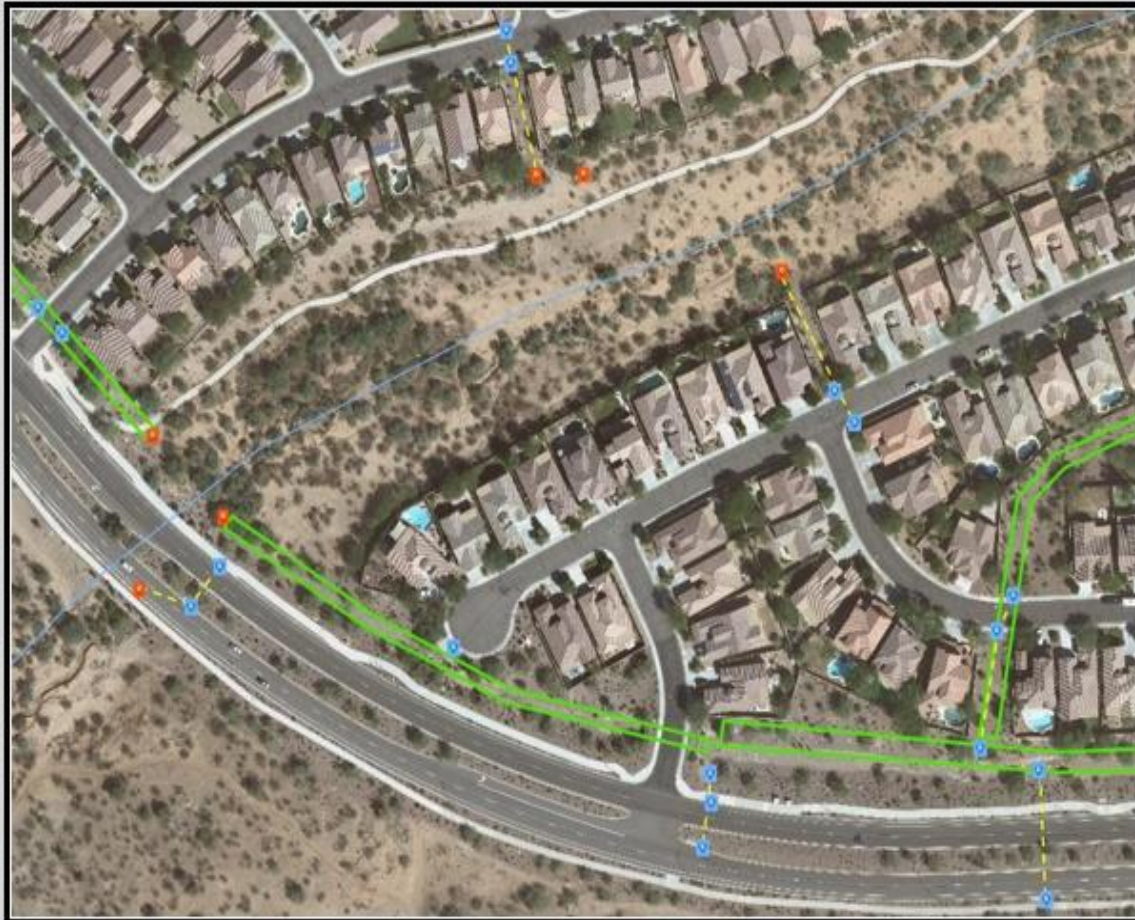


Image 1






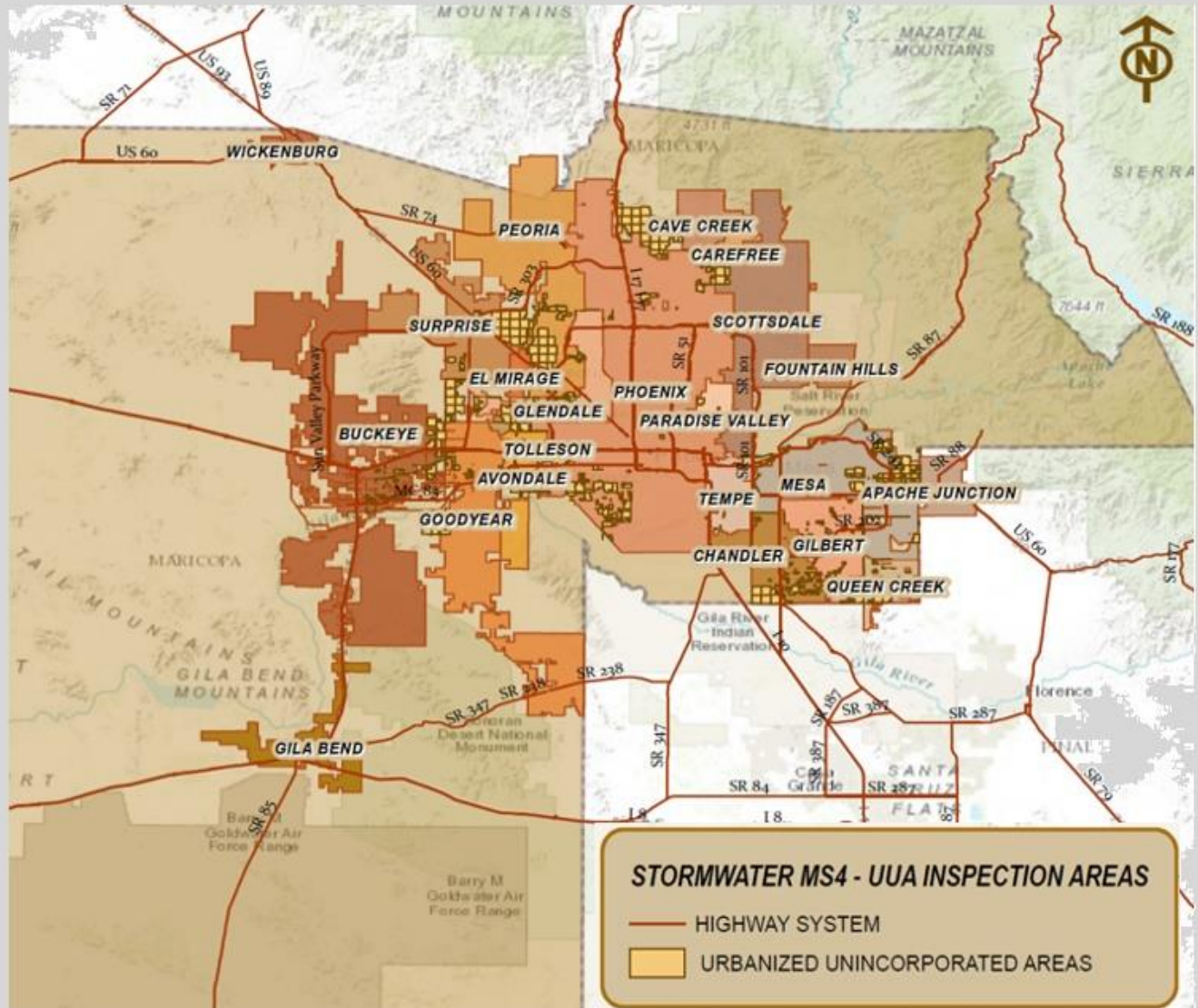
Icon	Description
	Earthen Channel
	Inlet Structure
	Underground Pipes
	Outfall
	Wash (Water of the United States)

Table 1

Map Excerpt Detailing the Urbanized Unincorporated Areas





Best Managing Practice Summary Table

1.0

BMP Category	BMP Description	Measurable Goals	Start Date
1.1 - Educational Materials	The Environmental Services Department will distribute print material, brochures, promotional items and other items to increase awareness of stormwater pollution prevention.	Ensure the distribution of 500 educational materials annually. The general public, commercial and residential activities are the targeted audience.	12/2006
1.2 - Webpage	The Environmental Services Department will maintain a website that provides useful information to the public on stormwater pollution prevention.	Ensure the website is maintained with current and useful information. The general public, commercial and residential activities are the targeted audience.	12/2006
1.3 - Multimedia Outreach	The Environmental Services Department will maintain multimedia activities that include but are not limited to newspapers articles and ads, Facebook outreach, movie advertisements and more.	The multimedia outreach activities will be provided for at least 4 weeks. The general public is the targeted audience.	12/2006
1.4 - Modification of Ineffective Messages	The Environmental Services Department will review, modify and record modifications of any ineffective messages	A report titled, Annual Summarization of Outreach Programs will be created and submitted to the program supervisor each year. A tool called the Efficiency Matrix has been developed and can be used as a tool to aid in creating the report. The report will be used to assess the effectiveness of outreach messages. All modifications of messages will be recorded and reported in the annual report	2/1/2017



Environmental Services
Department

Best Managing Practice Summary Table

1.5 – Outreach Events	The Environmental Services Department will maintain a student audience and general public outreach event program.	Manned educational booth events will be held each year. The name of the event, message and estimated number of people reached will be reported annually. The school outreach program is driven by school demand; therefore, no minimum number of educational programs can be set. The quantity of educational programs will be recorded and reported. The target audience for outreach events is the general public with a primary emphasis on school aged children.	12/2006
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2.0

BMP Category	BMP Description	Measurable Goals	Start Date
2.1 - Public Records Made Available	The Environmental Services Department will make available the SWMP, Annual Report and other records online.	The Stormwater Quality Website with information that includes the SWMP, NOI, Annual Report and other records will be maintained and updated. The number of website downloads will be reported annually.	12/2006
2.2 - Public Participation of the SWMP	The Environmental Services Department will host a stakeholder workshop annually.	The date of the stakeholder workshop and the number of attendees will be reported annually.	12/2006
2.3 - Public Participation Through Surveys	The Environmental Services Department will provide surveys to the general public. These surveys are used to help spread the message of stormwater pollution prevention and aids in providing feedback to the Maricopa County Stormwater Quality Program.	The amount of surveys provided and the amount of surveys received will be reported annually.	12/2009



Environmental Services
Department

Best Managing Practice Summary Table

2.4 - Public Participation Through a Stormwater Related Contest for School	The Environmental Services Department will organize at least 1 stormwater related contest annually.	The participation in the stormwater related contest will be recorded and reported annually, which will include the number of participants, submittals and other applicable data.	12/2009
2.5 - Public Involvement Activities	The Environmental Services Department and the Department of Transportation will encourage public involvement in activities such as participation in the stormwater contest for school children and local communities and participation in clean-up events.	Public involvement activities will be recorded and reported annually. Items to be reported annually will include the number of cleanup activities, number of private sponsors and the number of volunteer participants.	12/2011

3.0

BMP Category	BMP Description	Measurable Goals	Start Date
3.1 - Implement IDDE Program. Definitions and Prohibitions	The Environmental Services Department will develop an illicit discharge and improper disposal detection and elimination program.	The County will maintain and update the multifaceted Illicit Discharge and Improper Disposal Detection and Elimination Program through an inspection program. The County has defined what constitutes an illicit discharge in the Maricopa County Stormwater Quality Management and Discharge Control Regulation and the most recent Stormwater Management Plan.	12/2009



Environmental Services
Department

Best Managing Practice Summary Table

3.2 - Stormwater Sewer Mapping	The Environmental Services Department and the Flood Control District of Maricopa County will maintain a storm sewer system map with locations of outfalls and receiving WoUS.	Stormwater system mapping is in progress and will be completed before September 30, 2017. The entire jurisdictional area has received inspection activities and all Receiving Waters have been identified and mapped. The majority of all stormwater structures and outfalls have been identified and all remaining will be identified in the process of system mapping. To ensure map completion, the County has identified all areas remaining to be mapped and will track and record the amount of square miles mapped on a monthly basis.	12/2009
3.3 - Eliminating Illicit Discharges	The Environmental Services Department will enforce the Maricopa County Stormwater Quality Management and Discharge Control Regulation through enforcement actions as detailed in the regulation and through enforcement procedures enacted by the Environmental Services Enforcement Program.	The number of citations and legal actions issued will be reported annually.	12/2009
3.4 - Legal Authority	The Environmental Services Department will review and update if needed the Maricopa County Stormwater Quality Management and Discharge Control Regulation.	Any modifications will be recorded and reported annually.	12/2009
3.5 - Statement of Responsibilities	The Environmental Services Department will create and maintain a Statement of Responsibilities, which will be drafted and maintained.	A Statement of Responsibilities has been drafted and will be maintained over time. This document is called the Communication Plan Statement of IDDE Program Responsibilities.	11/2015



Environmental Services
Department

Best Managing Practice Summary Table

3.6 - Complaint Hotline	The Environmental Services Department and the Maricopa County Department of Transportation will maintain a complaint hotline.	All complaints will be investigated and responded to within 15 days of the complaint received date. The number and type of complaints will be recorded and reported annually.	12/2009
3.7 - Educational Materials	The Environmental Services Department will create and distribute educational materials and pamphlets.	At least 5,000 educational and stormwater pollution prevention pamphlets and brochures and other forms of outreach will be distributed annually. The type and number of educational materials distributed will be recorded and reported annually.	12/2009
3.8 - Visual Outfall Monitoring	The Environmental Services Department will maintain a visual outfall monitoring program.	A minimum of 20% of all outfalls will be inspected annually. The number of inspected outfalls, violations and re-inspections will be recorded and reported annually. Written outfall procedures and reports will be stored on the Stormwater Geographical data base.	12/2009
3.9 - Visual Wet Weather Outfall Monitoring	The Environmental Services Department will develop and implement a wet weather outfall monitoring program.	Five (5) representative outfalls will be identified for the visual wet weather monitoring program. Each representative outfall will be inspected twice (2) during each wet season. The number of outfalls inspected, violations and re-inspections will be recorded and reported annually. Written outfall procedures and reports will be stored on the Stormwater Geographical Information System Data Base. The visual wet weather monitoring program will be implemented by February 2017.	2/2017



Environmental Services
Department

Best Managing Practice Summary Table

3.10 - I Indicators of IDDE Program Progress	The Environmental Services Department will conduct a self-evaluation annually.	The self-evaluation will include tracking employee performance standards and managing for results standards. Other indicators, such as complaint response times, public survey responses and analyzing complaints may also be incorporated into the self-evaluation. The findings will be recorded and reported annually. The first report will be made available the next reporting year.	9/2017
3.11 - Training	The Environmental Services Department will incorporate IDDE training into existing pollution prevention and good housekeeping training in the county-wide employee education and training program.	The number of training and educational sessions conducted and the number of employees trained will be recorded and reported annually. The training program was initiated in 2009. This program will be evaluated and updated to ensure permit compliance.	12/2009
3.12 - Unpermitted (illicit) Discharges to the MS4	The Environmental Services Department will create and implement a program to find facilities and activities that discharge to the MS4 without AZPDES/NPDES permit coverage.	A list of AZPDES/NPDES permit holders will be created, mapped and stored on the stormwater GIS database. List will be subject to periodic review to verify the status of permit coverage using online audit tools. During routine inspections of the County owned MS4, commercial facilities that appear to need permit coverage will be flagged for further investigations. Facilities will be contacted in the form of a letter or email and a list of all facilities that are contacted will be sent to ADEQ on an annual basis. This program was initiated in June of 2016.	6/2016



Best Managing Practice Summary Table

4.0

BMP Category	BMP Description	Measurable Goals	Start Date
4.1 - Legal Authority for Construction Activity Compliance	The Environmental Services Department will maintain legal authority to enforce stormwater runoff during construction activities.	The Environmental Services Department has adopted the Maricopa County Stormwater Quality Management and Discharge Control Regulation. This regulation will be evaluated annually for compliance and any new rules or newly adopted legal authority will be reported annually.	12/2009
4.2 - Ordinance for Erosion Control Practices	The Environmental Services Department and the Flood Control District of Maricopa County will maintain an ordinance that requires the use of sediment and erosion control practices.	The Environmental Services Department has adopted the Maricopa County Stormwater Quality Management and Discharge Control Regulation and the Flood Control District of Maricopa County has adopted the Drainage Design Manual (Erosion Control). Ordinances will be reviewed and updated as needed for compliance. Any updates will be reported annually.	12/2009
4.3 - Inventory	The Environmental Services Department will create and maintain an inventory of construction activities.	An online inventory of all construction activities was developed in June of 2016. This online inventory will be maintained and updated annually. The online inventory is stored and maintained in the Stormwater Program's Geographical Information Systems Data Base.	6/2016



Environmental Services
Department

Best Managing Practice Summary Table

4.4 - Written Procedures for Site Inspection	The Environmental Services Department will formalize written procedures in the form of Standard Operating Procedures.	Site inspection procedures have been in place since 2009. Standard Operating Procedure SW-001 was created May 11, 2010 and updated November 3, 2015. SW-001 will be updated by February 2017 to incorporate a prioritization schedule.	12/2009
4.5 - Re-Inspection and enforcement Procedures	The Environmental Services Department will maintain re-inspection and enforcement procedures.	Re-inspection and enforcement procedures are outlined and detailed in SOP: SW-001 and in the Maricopa County Stormwater Quality Discharge and Control Regulation.	12/2009
4.6 - Site Plan Review Procedures	The Environmental Services Department will create and maintain site plan review procedures.	Site plan review procedures have been established since 2009 and updated in SOP:SW-001.	12/2009
4.7 - Site Plan Review	The Environmental Services Department will record the number of permit applications received and reviewed.	The number of applications received and reviewed will be recorded and reported annually.	12/2009
4.8 - Training	The Environmental Services Department will develop, implement and incorporate into the existing training program, education and training specifically on construction activity stormwater runoff for employees who conduct activities related to implementing the construction stormwater program.	At a minimum, 1 training event will be held annually. The number of trainings held and the number of staff trained will be reported annually. Training program will be developed and implemented by February 2017.	2/2017



Environmental Services
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Best Managing Practice Summary Table

4.9 - Education/ Public Involvement	The Environmental Services Department will make available educational materials for the development community.	An active webpage with educational material will be maintained. The number of webpage hits and the quantity and type of educational materials distributed will be tracked and reported annually.	12/2009
4.10 - Education/ Public Involvement	The Environmental Services Department will host a stake holder workshop annually.	At a minimum, 1 stake holder workshop will be held annually. The number of workshops and the number of participants will be recorded and reported annually.	12/2009
4.11 - Tracking and Recordkeeping	The Environmental Services Department will maintain a tracking and recordkeeping program for the construction program.	The number of construction inspections, re-inspections, and violations documented and the number of enforcement actions will be recorded and reported annually.	12/2009
4.12 - Complaint Response Program	The Environmental Services Department will maintain a complaint response (hotline) program.	The number of complaints received will be recorded and reported annually. The Environmental Services Department will respond and investigate all complaints within 15 days of the complaint received date.	12/2009



Best Managing Practice Summary Table

5.0

	BMP Description	Measurable Goals	Start Date
5.1 - Regulatory Mechanism for Post-Construction Stormwater Controls	Maricopa County Planning and Development, Flood Control District of Maricopa County and the Maricopa County Environmental Services Department will maintain and enforce programs to address post-construction stormwater runoff.	Maricopa County has developed and will enforce the following ordinances: Maricopa County Stormwater Quality Management and Discharge Control Regulation, Maricopa County Drainage Policies and Standards, Maricopa County Drainage Regulations, Maricopa County subdivision Regulations and Maricopa County Floodplain Regulations. Legal mechanisms and ordinances will be maintained and updated as needed.	12/2009
5.2 - Technical Guidance and Educational Materials.	The Environmental Services Department will develop and distribute technical guidance and educational materials for post construction stormwater management.	Guidance and educational materials will be made available on the Stormwater webpage. At least 500 guidance and educational materials will be distributed annually. The number of materials distributed and the number of webpage hits and downloads will be recorded and reported annually.	12/2009
5.3 - Site Plan Reviews	The Environmental Services Department will implement and maintain a site plan review process.	A staff of at least 1 will be assigned to conduct post construction plan reviews. The number of staff performing reviews and the number of applications received and reviewed will be recorded and reported annually.	12/2009



Environmental Services
Department

Best Managing Practice Summary Table

5.4 - Inspections	The Environmental Services Department will maintain the post construction inspection program.	Post-construction permits will be inspected annually. The number of post-construction inspections, the number of violations observed, number of corrective actions and any enforcement actions will be recorded and reported annually.	12/2009
5.5 - Inventory	The Environmental Services Department will maintain an up to date inventory of post- construction structural stormwater control measures.	An inventory of post-construction structural stormwater control measures has been developed and will be maintained. Inventory is stored both in paper application format and is also available on the Geographical Information System database.	6/2016

6.0

BMP Category	BMP Description	Measurable Goals	Start Date
6.1 - Street Sweeping	The Department of Transportation will maintain a regular street sweeping program	The number of miles swept will be recorded and reported annually. The Current frequency and schedule for street sweeping is as follows: 16 weeks for arterial streets 8 weeks for residential streets 2 weeks for special cycle streets	12/2009
6.2 - Inventory	The Environmental Services Department, Risk Management and Equipment Services will keep an inventory of all county owned or leased facilities.	The inventory will be maintained and updated annually.	12/2011



Environmental Services
Department

Best Managing Practice Summary Table

6.3 - Facility Prioritization	The Environmental Services Department will prioritize facilities through an internal evaluation based on their associated risk of potential pollutant discharge	The priority facility inventory was created in June of 2016. This inventory will be maintained and updated annually.	6/2016
6.4 - Inspections	The Environmental Services Department and the Equipment Services Department will maintain an inspection program for County owned or leased facilities.	A minimum of 20% of all facilities will be inspected annually by the Environmental Services Department. The Equipment Services Department will maintain a regular inspection program of 4 facilities that receive inspections daily, quarterly and annually.	12/2011
6.5 - Priority Inspections	The Environmental Services Department will maintain an inspection program for Priority Facilities.	100% of all priority facilities will be inspected annually by the Environmental Services Department.	6/2016
6.6 - Training	The Environmental Services Department, Risk Management, Department of Transportation and Flood Control will provide training materials to staff involved in the implementation of a SWPPP, the Maricopa County SWMP or a practice that is related to Stormwater Pollution Prevention.	A minimum of 2 educational workshops will be provided. The number of workshops provided and the number of attendees will be recorded and reported annually.	12/2009
6.7 - Maintenance and Inspection	The Department of Transportation and the Flood Control District will maintain a maintenance program of County owned infrastructure. The Environmental Services Department will Maintain the proactive inspection program of the entire MS4 to identify potential sources of pollution.	The Department of Transportation will maintain a fully staffed roadway operation division and the Flood Control District will maintain a fully staffed operation and maintenance division. The Environmental Services Department will maintain staff to preserve the proactive MS4 inspection program.	9/2016