

**National Pollutant Discharge
Elimination System (NPDES)
Stormwater Phase II Permit Program**



Stormwater Management Program

Prepared by

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We thank the City of Apache Junction for giving us the opportunity to be of service. We appreciate being able to explore ways to improve the service provided to its citizens and to serve as good stewards of the public trust.

We hope that our efforts will be beneficial, and the City finds the implementation of its Stormwater management program for purposes of NPDES Stormwater Phase II compliance to be reasonable and relatively straight forward thanks to our involvement.

Executive Summary

ES.1. Introduction

In December 1999, the U.S. Environmental Protection Agency (EPA) finalized a rule that requires certain small municipal separate storm sewer systems (MS4s) to participate in the National Pollutant Discharge Elimination System (NPDES) program and obtain a stormwater permit. The intent of the rule is to reduce pollutants in stormwater runoff through actions implemented by the operators of MS4s, such as the system operated by Apache Junction. The City of Apache Junction is one of a number of Arizona communities required to obtain a permit.

ES.2. NPDES Phase II Requirements

The Arizona Department of Environmental Quality (ADEQ) is the permitting authority for the State of Arizona through the Arizona Pollutant Discharge Elimination System (AZPDES). The ADEQ has created a General Permit that requires regulated communities to comply with six required Minimum Control Measures (MCMs):

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

Each MCM has mandatory components that Apache Junction must address and that will be satisfied by implementing a number of Best Management Practices (BMPs).

MCM 1: Public Education and Outreach

The City must:

- Implement a public education program to distribute educational materials to the community or conduct equivalent outreach activities about the impact of stormwater discharges on water bodies

MCM 2: Public Involvement/Participation

The City must:

- Develop and implement a plan to encourage public involvement and participation in developing and implementing the SWMP
- Comply with state and local public notice requirements

MCM 3: Illicit Discharge Detection and Elimination

The City must implement an illicit discharge program, including:

- A stormwater system map that shows outfalls and Waters of the U.S.

- An illicit discharge policy that prohibits non-stormwater discharges
- Inspections of stormwater outfalls to detect and eliminate illicit discharges
- A plan to educate the public and staff on illicit discharges

MCM 4: Construction Site Runoff Control

The City must develop a program for runoff from construction sites, including:

- A policy that requires site operators to control erosion and sediment
- Requirements to control other construction-related wastes
- Procedures for site plan review, regular site inspections, and enforcement of ordinance control measures
- Procedures for receiving and considering public information (i.e., complaint handling)

MCM 5: Post-Construction Stormwater Management

The City must develop and enforce a post-construction stormwater runoff program, including:

- A policy that requires new development and redevelopment to use site-appropriate BMPs to reduce pollutants in stormwater runoff to the maximum extent practicable
- Measures to ensure long-term operation and maintenance of the BMPs

MCM 6: Pollution Prevention/Good Housekeeping

The City must:

- Develop and implement an operation and maintenance program that includes a training component and that has the ultimate goal of preventing or reducing pollutant runoff from City operations.

The length of the permit period is five years, with full implementation of the permit activities occurring by December 19, 2007. At the end of this time, the City must apply for a new permit that will be effective for five years.

ES.3. Apache Junction's Stormwater Management Program (SWMP)

Apache Junction retained AMEC consultants, who are experienced in developing SWMPs, to create the City's SWMP. AMEC conducted numerous interviews with selected Apache Junction staff members and through these discussions created an SWMP, including a schedule and estimated program costs.

Costs for the program will be primarily for City staff, professional and outside services, and supplies. Some of the BMPs can be implemented through existing Apache Junction programs, while others will require new funding. Table ES.1 outlines estimated annual costs of the Apache Junction SWMP over the permit period.

Table ES.1
Estimated Costs of the Apache Junction SWMP, 2003-2008

Permit Year					Total
Year 1 (2003-2004)	Year 2 (2004-2005)	Year 3 (2005-2006)	Year 4 (2006-2007)	Year 5 (2007-2008)	
\$56,290	\$100,552	\$136,277	\$135,721	\$109,582	\$538,421

Note: Total may not add due to rounding.

Many SWMP activities will be conducted in later years of the program to enable the City to better control program funding. The costs in Table ES-1 do not represent costs for completely new activities; many SWMP activities can be accomplished by modifying established Apache Junction programs, ordinances, policies, and procedures.

Apache Junction’s SWMP will meet the requirements of the ADEQ General Permit through BMPs, which are actions that Apache Junction will take to fulfill requirements of the ADEQ General Permit. The Apache Junction SWMP will not require construction of stormwater infrastructure nor will it require treatment facilities to meet water quality standards. Instead, the primary focus of the Apache Junction SWMP will be to implement changes in such things as construction practices, disposal of wastes, and City operation and maintenance activities. These BMPs are actions that Apache Junction has identified as meeting the requirements of the ADEQ General Permit, and they are achievable. The SWMP was developed to be appropriate for Apache Junction’s residents, stormwater system, and existing resources.