Phase II MS4s

Audits: Not so scary
- Town of Marana - Phase II Municipal Separate Storm Sewer System (MS4)
  - Does not meet the population threshold for a Phase II MS4, but proximity to Tucson created the need for permit coverage.
- Became regulated by the NPDES/AZPDES program in March 2003
- Phase II jurisdictions submitted SWMPs to ADEQ in March 2003, but were given until the end of the permit term (12/2007) to meet the stated goals (BMPs)
Town participated in EPA audit in 2006 under permit AZG 2002-002

- Marana was the only Phase II in the area that was audited
- Even though ADEQ had approved the Town’s SWMP in 2005, they were not required to be in full compliance with the permit until 12/2007 when the new permit was issued
- Audit served as a compliance assistance tool for the Town during the first permit term
EPA Audit

- Tetra Tech Inc., with assistance from the U.S. EPA and accompanied by ADEQ conducted the program evaluation

- Prior to the on-site evaluations:
  - Reviewed Marana’s 04-05 Annual Report
  - Reviewed SWMP
  - Reviewed Marana’s web site
The audit involved an office visit and a field visit

- **Office visit**
  - Review SWMP
  - Verify acceptable record keeping/tracking processes
  - Talk to staff regarding review and inspection procedures

- **Field visit**
  - Town Operations Facility
  - 1-2 Major outfall locations
  - Accompany Town inspectors on inspections of public and private construction sites
Exit interview with the jurisdictions to outline the preliminary findings
Audit Goals

- Evaluate jurisdictional compliance with their appropriate permit
  - Provide written report of findings
- Gather information to help guide the re-issuance of new permits
- Gather data for nationwide evaluation of communities’ compliance with stormwater program
Three categories of the audit report

- Potential Permit Violations
  - Items in each jurisdictions SWMPs that were not getting done
- Deficiencies
  - SWMP items that were getting done, but not up to the expected level
  - Deficiencies listed for Phase II were more like recommendations or opportunities to comply
- Positive elements
  - SWMP implementation that deserved special mention
• Report was received by the Town in October 2006

• Response to the report
  – Due December 15, 2006
  – Must propose specific corrective action for each potential permit violation
  – Corrective actions must be implemented by February 15, 2007
Report Findings

- **Potential permit violations**
  - Add enforcement procedures for IDDE and Construction programs to Stormwater Ordinance

- **Significant deficiencies**
  - Develop a plan to document the long-term effectiveness of the stormwater program
  - Update the Stormwater Web Site
  - Stormwater Ordinance should address construction projects that disturb less than 1 acre but are part of a common plan of development
Report Findings

- **Positive elements:**
  - Town was implementing the SWMP Construction Program more than one year before the required deadline
  - Town is implementing many program activities outside of the Phase II boundary
  - Town is reaching out to younger audiences through creative activities
Long-term effectiveness is reviewed when the annual reports are compiled.

- Underperforming BMPs are modified
- Maintenance of post-construction BMPs is done through Town’s Cartograph system

The Town amended the SWMP to address the suggested changes/deficiencies brought up by the audit.

- Amended SWMP was adopted by Town Council in March 2007
- Included IDDE procedures and projects that disturb less than an acre