



Arizona Department of Transportation

INTERMODAL TRANSPORTATION DIVISION Construction Group

CONSTRUCTION BULLETIN 06-02

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From: Julio Alvarado, Assistant State
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Subject: Erosion Control and Pollutant
Discharge Reporting & Concrete Waste
Management

Erosion Control and Pollutant Discharge Reporting & Concrete Waste Management

Purpose

1. To ensure that the ADOT Office of Environmental Services receives copies of Notices of Intent (NOI), Stormwater Pollution Prevention Plans (SWPPPs), and dry and wet weather inspection reports for projects within ¼ mile of unique or impaired bodies of water.
2. To ensure all construction personnel are aware of recent changes (per Arizona Administrative Code R-18-9-B301.L.) to the Construction General Permit regarding concrete waste management requirements.

Background

The Department has many new procedures and requirements dealing with erosion control and pollutant discharge. Subsection 104.09 of the Construction Manual has been revised (July 2006) to reflect many of these federal, state and local water quality regulations and permit requirements. ADOT has also staffed, under the State Engineer, a new Office of Environmental Services to ensure compliance and monitoring activities are in place and followed.

Requirements Only For Projects Within ¼ Mile of Unique or Impaired Waters (Non-Tribal Land)

Copies of the NOI and SWPPP must be sent to the Office of Environmental Services, in addition to ADEQ. Revisions to the NOI as a result of a change in operator (ADOT Engineer and/or Contractor) must also be submitted. This generally occurs at the end of the project, where the contractor has completed work, filed its Notice of Termination (NOT), but final stabilization has not been established.

In addition, one dry weather inspection report and one wet weather (storm event of 0.50 inches or more) inspection report per project must be submitted to the Office of Environmental Services. The wet weather inspection must be completed within 24 hours after a storm event of 0.50 inches or more. (NOTE: no inspection is required if no storm event generates this much moisture during the project.) It will be the responsibility of the R.E. to schedule these inspections. Any ADOT Inspector designated by the R.E. who has successfully completed the “Erosion and Pollution Control for Construction” or the “AGC-ADOT Erosion Control Coordinator Training” course is qualified to perform these joint inspections. The attached log “Appendix F-2: Stormwater Monitoring Log” will serve as the basis for these inspection reports.

Portland Cement Concrete Waste Management Requirements

- The SWPPP must address concrete waste management activities;
- Areas of impoundment must be cleared, grubbed, and compacted to uniform density not less than 95 percent. If impoundments are located above grade, berms or dikes must be compacted to a uniform density not less than 95 percent;
- If groundwater is less than 20 feet below land surface, the impoundments must be lined with a synthetic liner at least 30 mils thick. We recommend the R.E. contact Materials at 7231 and request to speak with ADOT’s Geotechnical Section regarding groundwater elevations;
- Impoundments must be located at least 50 feet from any storm drain inlet, open drainage facility or watercourse, and 100 feet from any water supply well;
- Impoundments must be designed and operated to maintain adequate freeboard (12” for below grade; 4” for above grade) to prevent overflow or discharge of wastewater;
- Concrete wastewater from any source must be routed to the impoundment;
- Impoundments must receive only concrete wastewater;
- Before filing of the NOT, all liquids and solids remaining in the impoundment must be removed and properly disposed of. Also, the area must be graded to prevent ponding of water.