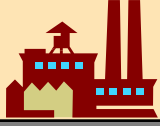


# Asphalt Paving, Roofing Materials, and Lubricant Manufacturing Fact Sheet #2 -- Storm Water Pollution Prevention



Pima County Department of  
Environmental Quality  
September 2008

## Storm Water Pollution Prevention Requirements

The Arizona Department of Environmental Quality (ADEQ) has established requirements for controlling storm water discharges from industrial facilities — including those engaged in the manufacturing of asphalt paving, roofing materials, and lubricants. These requirements are intended to protect all rivers, dry washes, and other water bodies in Arizona, and are part of the Arizona Pollutant Discharge Elimination System (AZPDES) permitting program.

Facilities must prepare and implement Storm Water Pollution Prevention Plans (SWPPP). The SWPPP identifies structural and non-structural controls or work practices designed to minimize impacts caused by offsite storm water discharges. SWPPP contents should include the following information.

1. *Pollution Prevention Team* — identify members and their responsibilities.
2. *Facility/Site Description* —
  - Facility activities
  - Estimation of onsite impervious surface areas
  - Historical precipitation information
  - Location map
  - Site map, including any storm water drainages
3. *Potential Pollutant Sources* —
  - Activities in specific onsite areas
  - Pollutants
  - Spills and leaks
  - Elimination of unauthorized discharges
  - Allowable non-storm water discharges
  - Storm water discharge monitoring data
4. *Effective Storm Water Management Measures* —
  - Good Housekeeping
  - Elimination and minimization of exposure of business activities to storm water



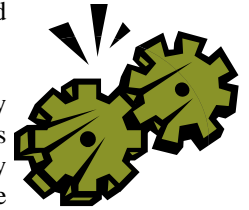
- Preventive maintenance
- Spill prevention and response procedures
- Routine facility inspections
- Employee training
- Erosion and sedimentation controls
- Storm water runoff management
- Best Management Practices (BMPs)

5. *Inspections* — Inspect the following areas at least once per month:

- Material storage and handling areas;
- Liquid storage tanks, hoppers, and silos;
- Vehicle and equipment maintenance, cleaning, and fueling areas; and
- Material handling vehicles, equipment, and processing areas.

## Best Management Practices

Best management practices (BMPs) are an integral part of a SWPPP. Storm water can become contaminated when rain mixes with oil, fuel, grease, antifreeze, and many other asphalt, roofing, or lubricant-related chemicals. BMPs are developed to reduce the chance that storm water will become contaminated and released offsite.



Locate areas on a map of the facility where chemicals and other materials are stored or used. Identify any materials or waste products that are exposed to rain or water flow. Review records to learn of past spills; conduct inspections to identify current leaks and spills.

### ***MATERIAL STORAGE AREAS***

Storing containers indoors is a BMP that will reduce the potential for storm water pollution. In order to prevent storm water from mixing with pollutants, build a cover over areas where spills are likely. Use dry cleanup methods rather than hosing down any spilt materials.

### ***VEHICLE OR EQUIPMENT WASHING AND MAINTENANCE AREAS***

Areas should be curbed or bermed to prevent run-off of wash water. Contain and recycle used wash water. Place catch pans under leaking vehicles. Transfer used fluids to a proper container. Use absorbent materials to clean up small spills. Sweep up and properly dispose of used absorbent materials. Do not pour liquid waste down floor drains, sinks, or outdoor storm drain inlets.

### ***TRAINING***

Training employees to use best management practices can reduce storm water pollution and save money that might otherwise be spent on expensive cleanup activities.

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## Other Important Information

Pima County DEQ recently published one other fact sheet relating to storm water requirements for businesses engaged in the manufacturing of asphalt paving, roofing materials, and lubricants —

*Asphalt Paving, Roofing Materials, and Lubricant Manufacturing / Fact Sheet #1 — Storm Water Notice of Intent.* This fact sheet identifies business categories that are subject to the storm water program and explains the steps necessary for obtaining permit coverage.

Fact sheets #1 and #2 are intended to provide an introduction to the industrial storm water program requirements in Arizona.

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### Vehicle & Equipment Wash Water

Discharge of wash water (including tank cleaning operations) is **NOT** authorized by the industrial storm water discharge permit discussed in this fact sheet.

Facility operators must obtain a separate permit for non-storm water discharges (as an example, wash water).

Please refer to the following Pima County website (“*What is a Storm Water Pollution Prevention Plan?*”) for more details:

[http://www.deq.pima.gov/pdf/Water/What\\_is\\_a\\_SWPPP.PDF](http://www.deq.pima.gov/pdf/Water/What_is_a_SWPPP.PDF)

### For More Information

**Pima County Department of  
Environmental Quality  
520-740-3340**

*Storm Water Program*  
<http://www.deq.pima.gov/water/stwmgmprog.html>

**Arizona Department of  
Environmental Quality  
602-771-4501**  
Dennis Turner

<http://www.azdeq.gov/environ/water/permits/stormwater.html#multi>