



## Fact Sheet

Aquifer Protection Permit 106020  
Place ID 133768, LTF 47885  
Scottsdale Auto Wash

The Arizona Department of Environmental Quality (ADEQ) proposes to issue an Aquifer Protection Permit (APP) authorizing closure of two impoundments located at the subject facility pursuant to Arizona Administrative Code (A.A.C.) R18-9-A213. This document gives pertinent information concerning the issuance of the permit.

### I. FACILITY INFORMATION

#### Name and Location

Permittee's Name:	Scottsdale Auto Wash Impoundment Ponds
Mailing Address:	1920 S. Alma School Rd. Mesa, Arizona 85210
Facility name and location:	Scottsdale Auto Wash 8999 E. Via Linda Scottsdale, Arizona 85258

#### Regulatory Status

Scottsdale Auto Wash was issued a Notice of Violation, Case ID #93099, by ADEQ dated April 10, 2008, requiring submittal of an APP application for closure of the two impoundments that received rinse water from the pre-rinsing of vehicles, prior to the mechanical car wash. The facility immediately initiated cessation of all discharges to the impoundments. Removal and proper disposal of the liquid in the impoundments was performed, as well as soil excavation, disposal, and confirmation sampling.

#### Facility Description

Scottsdale Auto Wash is a retail vehicle washing facility. The two impoundments that previously received rinse water prior to the washing of vehicles are the subjects of this closure permit and have an estimated construction date of 1998, and a combined storage capacity of approximately 3,100 gallons. These two impoundments were about 10 feet and 15 feet in diameter, respectively, included liners, and were cleaned out approximately twice annually, according to onsite personnel.

The two impoundments have since undergone remediation and closure. Discharge to the impoundments ceased immediately upon receipt of the NOV and discharge is now routed to the sanitary sewer, via a lined collection trench, and passage through an oil/water separator. The estimated pre-rinse flow rate is 375 gallons per day.

### **Closure Investigation and Related Activities**

Soil samples were collected from two borings at 2 feet and 4.5 feet, from beneath each impoundment. The soil samples were analyzed for volatile organic compounds (VOCs) by EPA Method 8260B, hydrocarbons by EPA Method 8015AZ, and the eight Resource Conservation and Recovery Act (RCRA) metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver) by EPA Methods 6010 and 7471. A sample of the impoundment water was also collected and analyzed for VOCs, the RCRA eight metals, and polynuclear aromatic hydrocarbons (PAHs) by EPA Method 8270.

The soil sampling results all resulted in values below the corresponding groundwater protection level (GPL) and soil remediation level (SRL). The water sample had one constituent, selenium, above the corresponding Aquifer Water Quality Standard (AWQS) at a concentration of 0.77 milligrams per liter (mg/l); however, since the water was removed and the soils beneath the lined impoundments showed no indication of impact, the selenium in the water is not a concern or suspected threat to groundwater. Although the eight RCRA metals analyzed do not represent the full suite of metals for which a GPL is available, it is not considered necessary to sample for the other GPL metals (antimony, beryllium, cadmium, nickel, and thallium) or fluoride, as the RCRA suite serves as indicator parameters, and it is not anticipated other metals would have been present in the discharge.

The impoundments were excavated by hand to approximately 2 feet beyond the contour to remove visibly impacted soils. The final depth corresponded to the depth at which the initial soil samples were collected. The excavated soils were transported to a private landfill, Dirt 101 Operations, LLC, located in Litchfield Park, Arizona. Landfill receipts were provided in the application package. Each impoundment was backfilled with clean material and compacted.

The closure activities performed on the two impoundments, with the addition of the collection trench, remove any reasonable probability of further discharge from the facility, or of exceeding the AWQS at the POC. The depth to water beneath the facility is estimated to be approximately 370 feet.

### **Monitoring or Post-Closure Maintenance Requirements**

There is no post-closure monitoring or maintenance required by this permit.

## **II. BEST AVAILABLE DEMONSTRATED CONTROL TECHNOLOGY**

BADCT employed in closing this facility included removing the pollutant source.

## **III. COMPLIANCE WITH AQUIFER WATER QUALITY STANDARDS**

The closure investigation demonstrated that past discharges from the two impoundments have not degraded the aquifer or vadose zone underlying the

impoundments. The installation of the collection trench and removal of the impoundments will ensure no future discharges to the impoundments will occur, preventing future discharge to the aquifer.

**Point of Compliance**

The proposed POC is located southwest (downgradient) of the two impoundments at the edge of the pollutant management area:

<b>POC Location</b>	<b>Latitude</b>	<b>Longitude</b>
POC 1	33° 34' 6.80" N	111° 53' 15.46" W

**IV. COMPLIANCE SCHEDULE**

There is no compliance schedule required by this permit.

**V. OTHER REQUIREMENTS FOR ISSUING THIS PERMIT**

**Technical Capability**

Scottsdale Auto Wash (Permittee) has demonstrated the ability to maintain the technical competence necessary to carry out the terms and conditions of the APP in accordance with A.R.S. § 49-243(N) and A.A.C. R18-9-A202(B).

**Financial Capability**

The permittee has demonstrated financial capability under A.R.S. § 49-243(N) and A.A.C. R18-9-A203. The permittee shall maintain financial capability throughout the life of the facility. The estimated closure cost is \$8,561. The financial assurance mechanism was demonstrated through R18-9-A203(C)(1).

**Zoning Requirements**

Scottsdale Auto Wash has been properly zoned for the permitted use and the permittee has complied with all Maricopa County zoning ordinances in accordance with A.R.S. § 49-243(O) and A.A.C. R18-9-A201(B)(3).

**VI. ADMINISTRATIVE INFORMATION**

**Public Notice (A.A.C. R18-9-108(A))**

The public notice is the vehicle for informing all interested parties and members of the general public of the contents of a draft permit or other significant action with respect to a permit or application. The basic intent of this requirement is to ensure that all interested parties have an opportunity to comment on significant actions of the permitting agency with respect to a permit application or permit. This permit will be public noticed in a local newspaper after a pre-notice review by the applicant and other affected agencies.

**Public Comment Period (A.A.C. R18-9-109(A))**

The aquifer protection program rules require that permits be public noticed in a newspaper of general circulation within the area affected by the facility or activity and provide a minimum of 30 calendar days for interested parties to respond in writing to ADEQ. After the closing of the public comment period, ADEQ is required to respond to all significant comments at the time a final permit decision is reached or at the same time a final permit is actually issued.

**Public Hearing (A.A.C R18-9-109(B))**

A public hearing may be requested in writing by any interested party. The request should state the nature of the issues proposed to be raised during the hearing. A public hearing will be held if the Director determines there is a significant amount of interest expressed during the 30-day public comment period, or if significant new issues arise that were not considered during the permitting process.

**VIII. ADDITIONAL INFORMATION**

Additional information relating to this proposed permit may be obtained from:

Arizona Department of Environmental Quality  
Water Quality Division – APP & Drywell Unit  
Attn: Spencer York, Project Manager  
1110 W. Washington St., Mail Code: 5415B-3  
Phoenix, Arizona 85007  
Phone: (602) 771- 4509