



Fact Sheet

Aquifer Protection Permit No. 106062
 Place ID 128182, LTF 48916
 West States Recycling, Inc.

The Arizona Department of Environmental Quality (ADEQ) proposes to issue an aquifer protection permit for the subject facility that covers the life of the facility, including operational, closure, and post closure periods unless suspended or revoked pursuant to Arizona Administrative Code (A.A.C.) R18-9-A213. This document gives pertinent information concerning the issuance of the permit. The requirements contained in this permit will allow the permittee to comply with the two key requirements of the Aquifer Protection Program: 1) meet Aquifer Water Quality Standards at the Point of Compliance; and 2) demonstrate Best Available Demonstrated Control Technology (BADCT). BADCT's purpose is to employ engineering controls, processes, operating methods or other alternatives, including site-specific characteristics (i.e., the local subsurface geology), to reduce discharge of pollutants to the greatest degree achievable before they reach the aquifer or to prevent pollutants from reaching the aquifer.

I. FACILITY INFORMATION

Name and Location

Permittee's Name:	Newco Axle & Tire, LLC
Mailing Address:	2235 North 29 th Avenue Phoenix, Arizona 85009
Facility Name and Location:	West States Recycling, Inc. 2235 North 29 th Avenue Phoenix, Arizona 85009

Regulatory Status

West States Recycling, Inc. was the subject of a Notice of Violation (NOV), issued by the Water Quality Division, Compliance Section in August 2008, initiated as a result of a compliance inspection performed on May 22, 2008. The subject of the NOV is a stormwater collection pit and was never permitted by ADEQ. The facility submitted an Aquifer Protection Permit (APP) application on December 12, 2008 in response to the NOV.

The stormwater collection pit was noted during the inspection as being impacted by frame paint as a result of activity at a paint booth located immediately to the west of the pit. The Material Safety Data Sheet (MSDS) for the product indicated the presence of ammonium hydroxide and organic components, with no metals identified.

Facility Description

West States Recycling, Inc. is a mobile home tire and axle recycling company. The facility supplies the manufactured housing industry with recycled tires and certified axles. West States Recycling, Inc. is a subsidiary of Newco Axle & Tire, LLC and began operation in 1996. The stormwater collection pit was constructed in 2000 to collect stormwater that runs into the workshop area. This runoff substantially arises from rainwater runoff from the roof of a nearby business located directly to the north, and partially from the slope of a paved area on the west side of the property.

The permittee shall complete closure of the stormwater retention pit. The closure activities shall be conducted according to the *Clean Closure Application and Investigation Report*, prepared by GPI Engineers, Inc., received on 10/31/08. Submission of a completion report for the backfilling and closure activities of the stormwater retention pit is a compliance schedule item in the permit.

This site is located in western Phoenix, over alluvial deposits, in the Salt River Basin. It is located within the Phoenix Active Management Area. The depth to groundwater is estimated to be 95-126 feet below ground surface, with an estimated flow direction of west/northwest.

Closure Description

An initial composite sample was taken from the native soil beneath the pit, and analyzed for volatile organic compounds (VOCs) using EPA Method 8260B, and TCLP metals for the eight RCRA metals.

The sampling results for this first sampling effort all resulted in non-detection of the contaminants analyzed, except for a TCLP result of 0.67 mg/L for barium, a constituent for which the aquifer water quality standard (AWQS) is 2 mg/L, and a result of 0.11 mg/kg for trichlorofluoromethane, for which there is no groundwater protection level (GPL), and for which the residential soil remediation level (SRL) is 390 mg/kg.

A subsequent sampling effort was conducted by sampling the native soil beneath the pit at the one, two, and five foot levels, and a background sample of the native soil on the property, not in an area directly impacted by operations. The native soil beneath the pit was analyzed for total metals for the eight RCRA metals, polynuclear aromatic hydrocarbons (PAHs)(EPA Method 8310), and VOCs (EPA Method 8260B). The background sample was analyzed for total metals for the eight RCRA metals.

This second sampling effort resulted in non-detection of the analytes sampled, except as noted below:

Contaminant	GPLs (9mg/kg)	Sample results (mg/kg)			
		Pit-A-1	Pit-A-2	Pit-A-5	Background
Arsenic	290	8.2	9.2	11.0	12.0
Barium	12,000	120	110	120	140
Chromium	590	31	28	22	27

Based upon the sample results, the level of contamination beneath the site does not appear to vary significantly from background levels, and the planned paving of the pit should be adequate to remove any reasonable probability of further discharge from the facility, or of exceeding the AWQS at the point of compliance. The depth to water beneath the facility is estimated to be 95-126 feet.

Although the eight RCRA metals analyzed (arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver) 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 will serve as indicator parameters, and the frame paint MSDS does not indicate the use of metals in the product. In addition, no PAHs or VOCs were detected in samples collected during the second sampling effort.

The applicant plans to decommission the pit by backfilling the pit with an aggregate/base engineered fill material, and paving the facility flush with the floor of the shop. Per the applicant, the stormwater runoff into the pit area has been redirected.

II. BEST AVAILABLE DEMONSTRATED CONTROL TECHNOLOGY

BADCT is not a condition of this permit.

III. COMPLIANCE WITH AQUIFER WATER QUALITY STANDARDS

Monitoring and Reporting Requirements

Due to the depth to groundwater and the very low levels of detected contaminants, ground water monitoring will not be necessary.

Monitoring, alert levels, contingency plans, record keeping, and post-closure plans are not required for the closure of the stormwater retention pit.

Point of Compliance (P.O.C)

The Point of Compliance is located on the west/northwest edge of the pollutant management area, which is the area of the stormwater collection impoundment.

P.O.C. Locations	Latitude	Longitude
POC 1	33° 28' 22"North	112° 07' 16"West

IV. STORM WATER AND SURFACE WATER CONSIDERATIONS

The source of the inflows to the unpermitted stormwater collection pit was predominantly from the roof of a nearby business directly to the north, and partially from the paved area on the west side of the property. Upon attaining the final closure configuration, the pit will be paved flush with the pavement on the surrounding shop area floor. The applicant has redirected stormwater away from the pit area.

Stormwater run-on should therefore not be an issue upon completion of closure activities.

V. COMPLIANCE SCHEDULE

West States Recycling, Inc. shall submit a completion report for the backfilling and closure activities of the stormwater retention pit. The backfilling and closure activities for the pit shall be implemented according to the *Clean Closure Application and Investigation Report*, prepared by GPI Engineers, Inc., received on 10/31/08 within 6 months of the authorized signature date of permit

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: Gwen Rice
1110 W. Washington St., Mail Code: 5415B-3
Phoenix, Arizona 85007
Phone: (602) 771-4697