



## ***ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY***

### **CLEAN CLOSURE GUIDANCE AND APPLICATION FOR QUALIFYING DISCHARGING FACILITIES AND DRYWELLS**

December 2004

This document serves both as a guidance document and an application form for clean closure approval for qualifying discharging facilities and drywells. Please read the eligibility requirements for clean closure approval on page 3. Page 4 explains why a facility would be ineligible for clean closure.

The application is self explanatory and guides the applicant through the information pertinent to achieve a clean closure approval. Complete all requested information concerning the discharging facility(s) or drywell(s) for which clean closure is desired. The information required includes a description of the discharge history, locations, maps and facility design plans, wastestream characterization, a description of the treatment processes used, discharge flow rates, and a point of compliance.

ADEQ will not declare any clean closure application administratively complete until you submit the results of your sampling plan. We strongly recommend you seek ADEQ approval prior to initiating the plan to minimize the need for additional sampling.

When administratively complete, the closure plan can move forward. The required information is described on pages 11 through 14. If sampling identifies soil contamination above ADEQ's Soil Remediation Levels (SRLs) or Groundwater Protection Levels (GPLs), clean closure can still be achieved, if the completed closure plan demonstrates cleanup to those levels.

The applicant may wish to schedule a pre-application meeting to discuss the details of any previously completed site assessment work, or to review a proposed sampling and closure plan.

ADEQ will review every clean closure application to verify the following:

- The application is complete and the discharging facility(s) is eligible for clean closure approval.
- The discharging facility(s) is accurately located.
- The appropriate maps and facility design plans are provided; the chemical character of the wastestream is adequately defined; and the flow rates, volumes, and frequencies are provided.
- The point(s) of compliance are adequate to ensure compliance with Aquifer Water Quality Standards down gradient from the facility to be closed.
- Any soil clean-up, if necessary, meets the appropriate SRLs and GPLs.
- The proposed closure plan and final closure report ensure that the facility meets the requirements of clean closure according to A.R.S. § 49-252(D) and the conditions defined under A.R.S. § 49-201(5).

After verifying these items, ADEQ will draft a closure summary and clean closure approval letter based on all information submitted. Upon receipt of payment for ADEQ's services, the clean closure approval letter and closure summary will be sent to the Director for signature. A signed copy will then be sent to the applicant.

The entire clean closure process for wastewater and industrial facilities may take six to nine months, or longer depending on mitigating circumstances, such as incomplete application materials, an inadequate closure investigation, sampling results and site specific conditions that merit further investigation and the number of applications in process. Some industrial sectors, such as mines, may take significantly longer owing to the large quantities of data that must be collected.



## CLEAN CLOSURE APPLICATION

**(AN INITIAL APPLICATION FEE OF \$1000 IS REQUIRED)**

Applies to all eligible types of discharging facilities  
and drywells  
for which clean closure approval is requested.

**December 2004**

### Arizona Department of Environmental Quality

1110 W. Washington Street  
Phoenix, Arizona 85007  
(602) 771-2300 or 1-800-234-5677 in Arizona  
TDD Number (602) 771-4829  
Visit ADEQ Online at: <http://www.azdeq.gov>

Director: Stephen A. Owens  
Deputy Director: Patrick J. Cunningham  
Water Quality Division Director: Karen L. Smith

*for more information on this document, contact:*  
**WATER QUALITY DIVISION - WATER PERMITS SECTION**  
(602) 771-4687 or toll free in Arizona (800) 234-5677

Arizona Department of Environmental Quality  
Publications Number: TB 98-8  
This document is printed on recycled paper.

# Aquifer Protection Program Clean Closure Application

<b>Table of Contents</b>	<b>Page</b>
A. Introduction	3
B. Facilities Eligible for Clean Closure	3
1. Discharging Facilities	3
2. Drywells	3
C. Facilities Not Eligible for Clean Closure	4
D. Determination of Eligibility for Clean Closure	4
E. Clean Closure Plan Information	5
1. Owner, Operator, and Facility Information	5
2. Existing Environmental Permits	6
3. Maps and Facility Design Plans	7
4. Discharge History for all Facilities (Except Drywells)	8
5. Discharge / Operational History for Drywells	9
F. Closure Plan	11
1. Initial Site Assessment	11
2. Sampling Plan Guidance	11
3. Closure Plan	13
G. Compliance with Aquifer Water Quality Standards	14
1. Point of Compliance	14
H. Geology/Hydrology	15
1. Hydrogeologic Study	15
I. Certification	16
 Tables	
1. Discharging Facilities Undergoing Clean Closure	6
2. Points of Compliance	14

## **A. INTRODUCTION**

Arizona Senate Bill 1401, effective July 20, 1996, amended the Arizona Revised Statutes to allow an owner or operator of a discharging facility subject to the Aquifer Protection Program to request a clean closure approval without obtaining an individual Aquifer Protection Permit. A clean closure approval can be issued for a former discharging facility if the following conditions are met (A.R.S. § 49-201(5)):

1. The closure complies with all the terms of an existing Groundwater Quality Protection Permit or Aquifer Protection Permit, if one was issued for the discharging facility;
2. The closure eliminates all discharges from the facility to the greatest degree practical;
3. There is no reasonable probability that the facility will exceed Aquifer Water Quality Standards (AWQS) at the applicable point(s) of compliance due to a discharge; and,
4. As closed, the facility does not require post-closure monitoring or maintenance.

## **B. FACILITIES ELIGIBLE FOR CLEAN CLOSURE**

### **1. Discharging Facilities**

A discharging facility is eligible for clean closure if one or more of the following has been obtained or was filed for its operation (A.R.S. § 49-252(A)):

- a. Either an Individual or General Aquifer Protection Permit (APP),
- b. Groundwater Quality Protection Permit (GWQPP), or
- c. Notice of Disposal (NOD).

### **2. Drywells**

Drywells undergoing closure that drain areas where hazardous substances are used, stored, loaded, or treated are eligible for clean closure without having previously obtained an APP or GWQPP (A.R. S. § 49-252(A)). Closure of such drywells can be achieved by either:

- a. Decommissioning the drywell, or
- b. Permanently altering the facility's waste/chemical management operations through the implementation of a Best Management Practices Plan (BMPP) so

that the potential for the drywell to receive unauthorized discharge is eliminated (See ADEQ guidance document entitled: “*Best Management Practices Plan (BMPP) for Drywells Draining Areas Associated with Industrial Activities that Use, Store, Load, or Treat Hazardous Substances*”).

If the facility undergoing closure fits any of the categories listed above and the owner or operator wishes to pursue a clean closure approval, a closure plan must be submitted within ninety days after notification of this intent has been given to the Aquifer Protection Program (A.R.S. § 49-252(B)).

### **C. FACILITIES NOT ELIGIBLE FOR CLEAN CLOSURE**

Any discharging facility, except a drywell, that was operated without an NOD, GWQPP or APP permit must first apply for an APP prior to closure of the facility.

### **D. DETERMINATION OF ELIGIBILITY FOR CLEAN CLOSURE**

The Aquifer Protection Program will determine, within sixty days upon receipt of a complete closure plan, whether the facility closure can meet the definition of clean closure (A.R.S. § 49-252(C)). One of the following conclusions will result from the review:

1. If the closure plan meets clean closure criteria, ADEQ will issue a letter of approval to the owner or operator and an Aquifer Protection Permit will not be required (A.R. S. § 49-252(D)). Subsequent to approval, the owner or operator must implement the approved closure plan to qualify for clean closure status.
2. If clean closure cannot be achieved, ADEQ will request submittal of an application for an Aquifer Protection Permit (A.R.S. § 49-252(E)).
3. If clean closure cannot be achieved and the facility has an existing Aquifer Protection Permit, ADEQ will request the submittal of an application for permit amendment to address the closure activities, post-closure monitoring, and maintenance (A.R.S. § 49-252(E)).

If an APP is required, a permit application or a request to amend a permit must be submitted within ninety days from the notification date. If required, an extension to this time frame is provided under A.R.S. § 49-252(E).

## E. CLEAN CLOSURE PLAN INFORMATION

For your discharging facility to be considered for clean closure approval through the Aquifer Protection Program, please submit the following information. Please attach additional pages as necessary and provide an explanation for any questions unanswered.

### 1. Owner, Operator, and Facility Information

#### a. Applicant

The person(s) responsible for compliance with the terms and conditions of this clean closure are:

1) Name of owner: \_\_\_\_\_  
Mailing address: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

Telephone Number: \_\_\_\_\_

2) Name of operator: \_\_\_\_\_  
Mailing address: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

Telephone Number: \_\_\_\_\_

#### b. Contact person

1) Name: \_\_\_\_\_  
Mailing address: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

Telephone Number: \_\_\_\_\_

#### c. Site information

1) Business name: \_\_\_\_\_  
Address: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

2) Legal description:

a) Parcel Number: \_\_\_\_\_

b) Township and Range

1. Township: \_\_\_\_\_

2. Range: \_\_\_\_\_

3. Section: \_\_\_\_\_

4. Quarters: \_\_\_\_\_

3) County: \_\_\_\_\_

4) Discharging Facilities Undergoing Clean Closure

The facilities undergoing clean closure, identified as the discharge locations, have the following coordinates:

**Table 1: Discharging Facilities Undergoing Clean Closure**

Discharging Facility <sup>1</sup>	Latitude	Longitude
	° ' "N	° ' "W
	° ' "N	° ' "W
	° ' "N	° ' "W
	° ' "N	° ' "W
	° ' "N	° ' "W

<sup>1</sup> If the discharging facility is a drywell (injection well) provide the drywell registration number.

**2. Existing Environmental Permits**

a. GWQPP Number(s): \_\_\_\_\_  
 \_\_\_\_\_

b. APP Number(s): \_\_\_\_\_  
 \_\_\_\_\_

c. NPDES permit number(s): \_\_\_\_\_  
 \_\_\_\_\_

- d. Reuse permit number(s): \_\_\_\_\_  
\_\_\_\_\_
- e. RCRA permit number(s): \_\_\_\_\_  
\_\_\_\_\_
- f. Air Quality permit number(s): \_\_\_\_\_  
\_\_\_\_\_
- g. Solid Waste permit number(s): \_\_\_\_\_  
\_\_\_\_\_

### 3. Maps and Facility Design Plans

a. Location Map

Provide a topographic or other appropriate map that identifies the following:

- 1) The facility location and contiguous land area,
- 2) An area of at least 3 miles surrounding the site boundary,
- 3) The location of all wells within ½ mile of the site boundary (provide details of well uses and construction as an attachment to this application), and
- 4) Land ownership and use of properties adjacent to the site.

b. Site Plan Map

Provide a facility site plan that illustrates the following:

- 1) The property lines;
- 2) Buildings and structures;
- 3) The location of water wells, monitor wells, injection wells, or drywells (provide details of well uses and construction, and a description of any borings or sampling points as an attachment);
- 4) The location(s) of any engineered design element(s) that affects the discharge(s) (provide a description of these structures as an attachment

















