



Type 3.02 General APP Process Water Discharges from Water Treatment Facilities

Permittee:		Inventory No.:	
Reviewer:		LTF:	
Project Manager:		NOI Received:	
Today's Date:		TSU Memo #:	
Checked By:			

A.A.C. R18-9-D302(A)	
A.	<p>A 3.02 General Permit allows filtration backwash and discharges obtained from sedimentation and coagulation in the water treatment process from facilities that treat water for industrial process or potable uses.</p> <p>An applicant shall:</p>
Y: yes, meets the requirement; N: no, does not meet the requirement (see comment below); NA: does not apply	
	<p>1. Liquid fraction. The discharge meets:</p>
	<p>a. All numeric Aquifer Water Quality Standards for inorganic chemicals, organic chemicals, and pesticides established in R18-11-406(B) through (D);</p>
Comment	
	<p>b. The discharge meets one of the following criteria for microbiological contaminants:</p>
	<p>i. Either the concentration of fecal coliform organisms is not more than 2/100 ml or the concentration of <i>E. coli</i> bacteria is not more than 1/100 ml, or;</p>
Comment	
	<p>ii. Either the concentration of fecal coliform organisms is less than 200/100 ml or the concentration of <i>E. coli</i> bacteria is less than 126/100 ml if the average daily flow processed by the water treatment facility is less than 250,000 gallons; and</p>
Comment	
	<p>2. Solid Fraction. The solid material in the discharge qualifies as inert material, as defined in A.R.S. § 49-201(19).</p>
Comment	

Notice of Intent to Discharge - A.A.C. R18-9-D302 (B)	
B.	<p>In addition to the requirements in R18-9-A301(B), an applicant shall submit:</p>
Y: yes, meets the requirement; N: no, does not meet the requirement (see comment below); NA: does not apply	
	<p>1. A characterization of the discharge, including a representative chemical and biological analysis of expected discharges and all source waters; and</p>
Comment	
	<p>2. The design capacity of any impoundment covered by this general permit.</p>
Comment	

Impoundment Design and Siting Requirements - A.A.C. R18-9-D302(C)

C.

An applicant shall:

Y: yes, meets the requirement; N: no, does not meet the requirement (see comment below); NA: does not apply

	1.	Ensure that the depth to the static groundwater table is greater than 20 feet;
Comment		
	2.	Not locate the area of discharge immediately above karstic or fractured bedrock, unless the discharge meets the microbial limits specified in subsection (A)(1)(b)(i);
Comment		
	3.	Maintain a minimum horizontal setback of 100 feet between the facility and any water supply well;
Comment		
	4.	Design and construct an impoundment to maintain, using design volume or mechanical systems, normal operating volumes and any inflow from the 100-year, 24-hour storm event. The applicant shall:
	a.	Divert any surface water run-on from the 100-year, 24-hour storm event around the facility if not intended for capture by facility design; and
Comment		
	b.	Design the facility to maintain 2 feet of freeboard or an alternative level of freeboard that the applicant demonstrates is reasonable, considering meteorological factors, the size of the impoundment, and other site-specific factors; or
Comment		
	c.	Discharge to surface water under the conditions of an AZPDES permit; and
Comment		
	5.	Manage off-site disposal of sludge according to A.R.S. Title 49, Chapter 4.
Comment		

Operational Requirements - A.A.C. R18-9-D302(D)

D.

An applicant shall:

Y: yes, meets the requirement; N: no, does not meet the requirement (see comment below); NA: does not apply

	1.	Inorganic chemical, organic chemical, and pesticide monitoring.
	a.	The permittee shall monitor any discharge annually to determine compliance with the requirements of subsection (A).
Comment		
	b.	If the concentration of any pollutant exceeds the numeric Aquifer Water Quality Standard, the permittee shall submit a report to the Department with a proposal for mitigation and shall increase monitoring frequency for that pollutant to quarterly.
Comment		
	c.	If, in the quarterly sampling, the condition in subsection (D)(1)(b) continues for two consecutive quarters, the permittee shall submit an application for an individual permit.
Comment		
	2.	Microbiological contaminant monitoring.

	a.	The permittee shall monitor any discharge annually to determine compliance with the requirements of subsection (A)(1)(b).
Comment		
	b.	If the concentration of any pollutant exceeds the limits established in subsection (A)(1)(b), the permittee shall submit a report to the Department with a proposal for mitigation and increase monitoring frequency for that pollutant to monthly.
Comment		
	c.	If, in the monthly sampling, the condition in subsection (D)(2)(b) continues for three consecutive months, the permittee shall submit an application for an individual permit.
Comment		

Recordkeeping - A.A.C. R18-9-D302(E)		
E.	A permittee shall maintain at the site, the following information, if applicable for the disposal method, for at least 10 years and make it available to the Department upon request:	
Y: yes, meets the requirement; N: no, does not meet the requirement (see comment below); NA: does not apply		
	1.	Construction drawings and as-built plans, if available;
Comment		
	2.	A log book or similar documentation to record inspection results, repair and maintenance activities, monitoring results, and facility closure;
Comment		
	3.	Water quality data collected under subsection (D);
Comment		
	4.	Standard operating procedures; and
Comment		
	5.	Records of any discharge other than those identified under subsection (B).
Comment		