



**NOI Supplement for Type 3.02
General Permit for Process Water Discharges
from Water Treatment Facilities
[A.A.C. R18-9-D302]**

OVERVIEW:

This General Permit allows for discharges to a surface impoundment of filtration backwash and discharges from sedimentation and coagulation processes that result from treatment of water to enable its use in an industrial process or as a potable water supply. It does not authorize the discharge of reverse osmosis (RO) reject water or any treatment residues not specifically authorized. If use of such treatment is proposed or project design and siting requirements do not conform to the rule, the owner or operator must obtain an individual APP.

SUPPLEMENTAL APPLICATION REQUIREMENTS:

1. Notice of Intent to Discharge (NOI) Form for a Type 3 General Permit

I have completed and attached this NOI Supplement form to the Type 3 General Permit NOI.

**2. Attach a narrative description of the facility to be addressed under this General Permit.
Please place a check in the following boxes indicating that you have provided all of the following details in the narrative:**

- The source and nature of the waters which are treated, and the use of the treated water.
- The treatment processes and the average daily flow processed by the treatment plant.
- The discharge area, including a description of the size and construction of surface impoundments (and outfall if applicable) for disposal of backwash or sedimentation waters.
- All discharges to be addressed under this permit by type and volume.
- A plan for operational monitoring consistent with R18-9-D302(D).
- Provisions for recordkeeping consistent with R18-9-D302(E).

3. Attach a characterization of the discharge which includes:

- A description of the sampling event (including collection and analyses methods) and the laboratory results for a representative sample of the source water for all inorganic and organic chemicals and pesticides that have numeric Aquifer Water Quality Standards (A.A.C. R18-9-D302(A)(1)(a) and (B)).
- A description of the sampling event (including collection and analyses methods) and the laboratory results for a representative sample of the liquid fraction of the discharge for all inorganic and organic chemicals and pesticides that have numeric Aquifer Water Quality Standards (A.A.C. R18-9-D302(A)(1)(a) and (B)).
- A description of the sampling event (including collection and analyses methods) and the analytical results for a representative sample of the liquid fraction of the discharge for microbiological contaminants. Indicate which of the following criteria are met (R18-9-D302(A)(1)(b)):
 - i. Either the concentration of fecal coliform organisms is not more than 2/100 ml or the concentration of E. coli bacteria is not more than 1/100 ml, Yes No
 - or
 - ii. Either the concentration of fecal coliform organisms is less than 200/100 ml or the concentration of E. coli 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 Yes No
- A description of the sampling event (including collection and analyses methods) and the analytical results for a representative sample of the solid fraction of the discharge indicating the solid fraction qualifies as inert material, as defined in A.R.S. § 49-201(20) (R18-9-D302(A)(2)).

4. Provide a description of the site conditions and design of the impoundment including supporting documentation for the following (A.A.C. R18-9-D302(C)):

- Documentation that the depth to the static groundwater table is greater than 20 feet.
- A description of the site geology to demonstrate the area of discharge is not immediately above fractured bedrock or Karst formations (unless the discharge meets the microbial limits specified in A.A.C. R18-9-D302(A)(1)(b)(i)).
- Documentation of a 100-foot horizontal setback between the discharge area and any water supply well.
- Provide a brief description of the construction, dimensions, depth, and calculated capacity for the impoundment. Provide design drawings and calculations.
- Indicate whether the impoundment is designed to accommodate or divert stormwater run-on from a 100-year, 24-hour event. Provide design drawings and calculations.
- Indicate whether the impoundment designed to maintain at least 2 feet of freeboard Yes No
If "no":
 - Provide justification, including calculations, for an alternative freeboard, or
 - Discharge to surface water under the conditions of an AZPDES permit (provide evidence that an AZPDES permit has been issued).