**Section 611.276 Recycle Provisions**

a) Applicability. A Subpart B system supplier employing conventional filtration or direct filtration treatment that recycles spent filter backwash water, thickener supernatant, or liquids from dewatering processes must comply with subsections (b) through (d).

b) Reporting. A supplier must notify the Agency in writing if the supplier recycles spent filter backwash water, thickener supernatant, or liquids from dewatering processes. This notification must minimally include the information subsections (b)(1) and (b)(2) specify:

1) A plant schematic showing the origin of all recycled flows (including spent filter backwash water, thickener supernatant, and liquids from dewatering processes), the hydraulic conveyance used to transport these fluids, and the location where the supplier reintroduces these fluids back into the treatment plant.

2) The typical recycle flow in gallons per minute (gpm), the highest plant flow the supplier observed in the previous year (gpm), design flow for the treatment plant (gpm), and the Agency-approved operating capacity for the plant if the Agency makes this determination.

c) Treatment Technique Requirement. Any supplier recycling spent filter backwash water, thickener supernatant, or liquids from dewatering processes must return these flows through the processes of the supplier's existing conventional filtration or direct filtration system, as defined in Section 611.101, or at an alternative location approved by a permit issued by the Agency.

d) Recordkeeping. The supplier must collect and retain on file the recycle flow information subsections (d)(1) through (d)(6) specify for review and evaluation by the Agency:

1) A copy of the recycle notification and information the supplier submitted to the Agency under subsection (b).

2) A list of all recycle flows and the frequency with which the supplier returns them.

3) The average and maximum backwash flow rate through the filters and the average and maximum filter backwash process duration in minutes.

4) The typical filter run length and a written summary of how the filter run length is determined.

5) The type of treatment the supplier provides for the recycle flow.

6) Data on the physical dimensions of the equalization or treatment units, typical and maximum hydraulic loading rates, type of treatment chemicals used and average dose and frequency of use, and the frequency at which the supplier removes solids if applicable.

BOARD NOTE: This Section derives from 40 CFR 141.76.

(Source: Amended at 47 Ill. Reg. 16486, effective November 2, 2023)