**Section 611.280 Point-of-Entry Devices**

a) A supplier may use point-of-entry devices to comply with an MCL only while complying with this Section.

b) The supplier is responsible to operate and maintain the point-of entry treatment system.

c) The supplier must develop a monitoring plan before installing point-of-entry devices to comply.

1) Point-of-entry devices must protect human health equivalently to central water treatment. "Equivalently" means that the water would meet all NPDWRs and be of acceptable quality similar to water distributed by a well-operated central treatment plant.

2) In addition to the VOCs, the supplier's monitoring must include physical measurements and observations such as total flow treated and mechanical condition of the treatment equipment.

3) The Agency must approve any use of point-of-entry devices in a SEP.

d) The supplier must properly apply effective technology under an Agency-approved plan, and the supplier must maintain the microbiological safety of the water.

1) The Agency must require adequate performance certification, field testing, and rigorous engineering design review of the point-of-entry devices (if not included in the certification process).

2) The design and application of the point-of-entry devices must consider the tendency for increased heterotrophic bacteria concentrations in water treated with activated carbon. The Agency may issue a SEP requiring frequent backwashing, post-contactor disinfection, and HPC monitoring to ensure that nothing compromises the microbiological safety of the water.

e) The point-of-entry devices must protect all consumers. Every building connected to the system must have a point-of-entry device installed, maintained, and adequately monitored. The supplier must assure the Agency that every building is subject to treatment and monitoring, and that the rights and responsibilities of the PWS customer convey with title upon sale of the property.

f) Using any point-of-entry device must not cause increased corrosion of lead- and copper-bearing materials between the device and the tap that could increase contaminant levels at the tap.

BOARD NOTE: This Section derives from 40 CFR 141.100 and 142.62(h)(7).

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