

Please consider the two recommendations below:

Recommended revisions to Appendix E of 47CSR 02, *Requirements Governing Water Quality Standards*.

1. **Lead:** The current Use category A standard for lead is 50 µg/l. I recommend this be revised down to, or below, 15 µg/l. This is consistent with the current 47 CSR 12 Ground Water Standard for lead (0.015 mg/l) and the Federal Action Level for drinking water of 15 µg/l.

2. **Beryllium:** The current Use Category A standard for Beryllium is 0.0077 µg/l. There is not a toxicological basis to support the standard as is. The current Oral Reference Dose for Beryllium in EPA's Integrated Risk Information System is 2E-3 mg/kg-day. At this time, studies are considered inadequate to develop or recommend an oral carcinogenic slope factor. Carcinogenicity via the inhalation pathway is well established, however, tumor development observed was primarily due to exposure to dust containing Beryllium and Beryllium compounds. Supporting documentation is available at:

<http://www.epa.gov/iris/subst/0012.htm>

Additional support for a revision to the Beryllium Standard:

1. EPA's Nation Recommended Water Quality for Human Health does not contain a criterion for Beryllium.
2. The EPA drinking Water standard for Beryllium is 4 µg/l.
3. The Drinking Water Standard in 47 CSR 12 I also 4 µg/l.

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