



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 10**

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OFFICE OF  
Laboratory Science AND  
Applied Science Division

December 5, 2022

Reply to  
Attn of: **LSASD-14-D12**

**MEMORANDUM**

**SUBJECT:** A Review of the Kenai River Water Quality (WQ) Monitoring QAPP (v4), prepared by the Kenai Watershed Forum, for the State of Alaska Department of Environmental Conservation (ADEC) Division of Water, August 2022.

**FROM:** Raymond Wu, QA Chemist  
Environmental Characterization Branch, Office of Laboratory Services & Applied Sciences Division (LSASD)  
USEPA Region 10

**TO:** Katherine Brown, EPA Tribal Project Officer  
Tribal Trust & Assistance Branch, Office of Regional Administrator's Division (RAD)  
USEPA Region 10

The review of the above referenced document has been completed. The QAPP was prepared by the Kenai Watershed Forum, in Soldotna, Alaska. It followed the content and format requirements of the EPA QA-R5 document, Final March 2001. The approval of the QAPP will be recommended upon receipt of the explanation or revision of the following:

- EPA Region 10 project manager and quality assurance manager signature lines missing,
- No action limits specified for the parameters of interest,
- Explanation on how two sampling events can be representative of the entire year,
- Uncertain whether there will be 25 or 22 sampling sites,
- SGS lab certificates will be required and included,
- Re-check & revise the following MDLs & PQLs in table 4 (Hardness, calcium, iron, magnesium),
- Intended usage of qualifiers missing.

If you have any questions regarding my review, please feel free to email me at [wu.raymond@epa.gov](mailto:wu.raymond@epa.gov) or call me (x1413). Thanks.