



**U.S. Department of Energy  
Hanford Site**

March 17, 2021

21-TF-00779

Mr. David Bowen, Program Manager  
Nuclear Waste Program  
Washington State Department of Ecology  
3100 Port of Benton Boulevard  
Richland, Washington 99354

Dear Mr. Bowen:

**ADDING GROUNDWATER CONSTITUENTS TO THE GROUNDWATER MONITORING PLAN FOR THE SINGLE-SHELL TANK WASTE MANAGEMENT AREA C (GROUNDWATER MONITORING PLAN), DOE/RL-2019-58**

The U.S. Department of Energy (DOE) at Hanford received your letter dated October 5, 2020, (20-NWP-161) regarding adding additional monitoring constituents to the draft Rev. 9 final status Groundwater Monitoring Plan (GWMP) for the Single-Shell Tank Waste Management Area C (DOE/RL-2019-58) (WMA-C). The Washington State Department of Ecology (Ecology) requested DOE to add the following seven non-dangerous groundwater quality constituents to the GWMP/WMA-C:

- Aluminum
- Ammonium
- Fluoride
- Nitrate
- Nitrite
- Strontium
- Tributyl phosphate

Based on the meeting of January 25, 2021, DOE and Ecology agreed to add the seven constituents to the Hanford Atomic Energy Act Sitewide Groundwater Monitoring Plan, (DOE/RL-2015-56). The results will be reported in the annual groundwater report. DOE will take eight quarters of samples and then DOE will write an assessment evaluation report and determine if continued sampling of the seven constituents is warranted. It is DOE's understanding that these constituents are from the Single-Shell Tank Component Closure Data Quality Objectives document and represent primary tank waste constituents. DOE's basis is the agreed-to sampling and analysis plans for 200-BP-5 and 200-PO-1 Groundwater Operable Units (DOE/RL-2003-04 and DOE/RL-2014-33).

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-2-

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If you have any questions, please contact me, or your staff may contact Doug R. Hildebrand, Soil and Groundwater Division, Office of River Protection, on (509) 373-9626.

Sincerely,

**Delmar L.  
Noyes**  Digitally signed by  
Delmar L. Noyes  
Date: 2021.03.17  
09:24:03 -07'00'  
Delmar L. Noyes, Assistant Manager  
Tank Farms Project  
Office of River Protection

TF:KLH

cc: S. G. Austin, CPCCo  
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