



STATE OF IDAHO
DEPARTMENT OF
ENVIRONMENTAL QUALITY

1410 N Hilton Street, Boise, ID 83706
(208) 373-0502

Brad Little, Governor
Jess Byrne, Director

July 19, 2021

Nicole Hernandez
U.S. Department of Energy
Idaho Operations Office
1955 Fremont Avenue
Idaho Falls, Idaho 83415

Subject: Request for Extension of Idaho National Laboratory Site Treatment Plan (STP) Sodium-Bearing Waste Table 5-1 and 5-6b Milestones

Ms. Hernandez:

The Idaho Department of Environmental Quality has considered and conditionally approves the June 28, 2021, request from the U.S. Department of Energy to extend the STP Table 5-1 and 5-6b milestones for treatment of sodium-bearing waste (SBW) pursuant to STP Sections 2.6.2 and 2.6.4.

The new Table 5-1, P-5 milestone for Commence Operations and Fill One Canister will be completed by September 30, 2022 (4Q FY 2022). The Table 5-6b milestone completion dates will also be revised as follows:

- Complete 100th Canister – December 31, 2022 (CY 2022)
- Complete 15% treatment annually (FY2023, FY2024)

Additionally, DEQ has the following comments:

- Revise Table 5-6b to include the footnote, "The volume to be treated is based on the FY 2021 tank volume of 3,232.01 m³."
- Revise volumetric value for FY 2024 from 411.79 m³ to 484.80 m³ to reflect consistent treatment milestone representing 15% of the original volume of SBW. This value should be included in each subsequent fiscal year until completion of SBW treatment.
- Revise Table 4-3 to include a new footnote clarifying that Current Storage Volume of SBW is subject to minor gauge fluctuations.

As specified in Section 2.5 of the STP, the requested revision will be subject to a 30-day public notice of availability prior to final approval. If you have any further questions, please contact Rensay Owen at (208)528-2650 or Rensay.Owen@deq.idaho.gov.

Sincerely,

Natalie Walker
Hazardous Waste Bureau Chief
Waste Management and Remediation Division

NW/GB

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ec: Scott Reno, Fluor
Hannah Young, Deputy Attorney General
Rensay Owen, DEQ IFRO
Garrett Bright, DEQ STO
Jessica Brock, DEQ STO
Mark Clough, DEQ STO
Brian English, DEQ STO