U.S. Department of Energy
Hanford Site

21-PFD-003251 October 25, 2021

Mr. Craig E. Cameron, Project Manager
Superfund and Emergency Management Division
Site Cleanup Section 4
U.S. Environmental Protection Agency
825 Jadwin Avenue, Suite 210
Richland, Washington 99352

Dear Mr. Cameron:

REQUEST FOR APPROVAL TO USE THE PLUG-IN APPROACH FOR DISPOSAL OF MISCELLANEOUS ASPHALT, SOILS, AND DEBRIS FROM THE EFFLUENT TREATMENT FACILITY ACETONITRILE STEAM STRIPPER PROJECT IN THE ENVIRONMENTAL RESTORATION DISPOSAL FACILITY

This letter requests U.S. Environmental Protection Agency authorization for disposal of the Acetonitrile Steam Stripper Project construction waste at the Environmental Restoration Disposal Facility (ERDF) under the plug-in approach. This project will be located just north of the Effluent Treatment Facility process facility building number 2025E. The 345 cubic yards of waste will be dirt, asphalt, and excavation debris that will not be used as backfill for the excavation and building foundation.

In May 2007, the ERDF Record of Decision (ROD) was amended to facilitate disposal of wastes generated in support of Hanford's cleanup mission. The amended remedy provides that specific waste generated at the Hanford Site be disposed of at the ERDF. The selected remedy also identified a plug-in approach for disposal at the ERDF, additional similar Hanford waste generated in support of Resource Conservation and Recovery Act (RCRA) and Comprehensive Environmental, Response, Compensation, and Liability Act (CERCLA) cleanup actions.

This waste meets the following criteria, stipulated in the amended ROD for the ERDF issued in 2007, for disposal in the ERDF under the plug-in approach:

- Be similar to the wastes identified in Table 1 of the 2007 ROD Amendment
- Meet existing ERDF Waste Acceptance Criteria (WAC), or be capable of meeting the WAC with treatment
- Comply with Land Disposal Restriction (LDR) requirements

- Be generated at Hanford or derived directly from Hanford-generated waste in support of RCRA and CERCLA cleanup actions
- Be compatible for disposal at the ERDF
- Not addressed by an existing CERCLA decision document

In accordance with the established plug-in process, the ERDF ROD Amendment will serve as the decision document for these Hanford-only wastes. The following activities will be performed prior to waste disposal at the ERDF:

- Evaluation of the wastes will be performed prior to or during storage to ensure that the wastes will be compatible for disposal at the ERDF
- Evaluation of the wastes will be performed to ensure that the wastes will meet the ERDF waste acceptance criteria
- Treatment will be performed as appropriate to meet LDR standards and other requirements

If you have any questions, please contact me, or you may contact Mark French, Director, Project and Facilities Division, on (509) 373-9863.

Sincerely,

William F. Hamel

Digitally signed by William F. Hamel
Date: 2021.10.25 16:08:38 -07'00'

William F. Hamel, Assistant Manager
for the River and Plateau

PFD:BAS

cc: J. Bell, NPT
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