

**Waste Incidental to Reprocessing Determination for Vitrified Low-Activity Waste
and Secondary Wastes at the Hanford Site, Washington**

For the reasons set forth in the attached "Final Waste Incidental to Reprocessing Evaluation for Vitrified Low-Activity Waste and Secondary Wastes at the Hanford Site, Washington" (Final WIR Evaluation), and based on consultation with the U.S. Nuclear Regulatory Commission and consideration of comments from states, Tribal Nations, stakeholders and the public, I have determined that the vitrified low activity waste and the secondary wastes generated by or derived from such vitrification as described in the Final WIR Evaluation:


- Have been processed, or will be processed, to remove key radionuclides to the maximum extent that is technically and economically practical,
- Will be managed to meet safety requirements comparable to the performance objectives set out in 10 CFR Part 61, Subpart C, *Performance Objectives*,
- Will be in a solid physical form at a concentration that does not exceed the applicable concentration limits for Class C low-level waste as set out in 10 CFR 61.55, *Waste Classification*, and
- Will be managed as low-level radioactive waste, pursuant to DOE's authority under the Atomic Energy Act of 1954, as amended, and in accordance with the provisions of Chapter IV of DOE Manual 435.1-1, *Radioactive Waste Management Manual*.

The pretreated low-activity waste described in the Final WIR Evaluation, from which key radionuclides have been removed to the maximum extent technically and economically practical, will be managed as low-level radioactive waste subject to the following conditions and commitments: 1) the waste will be incorporated in a solid physical form at a concentration that does not exceed the concentration limits for Class C low-level waste in 10 CFR 61.55; 2) the waste will be disposed of in accordance with safety requirements comparable to the performance objectives in 10 CFR Part 61, Subpart C; and 3) the waste will be properly characterized and classified, and will meet the waste acceptance criteria of the receiving facility.

Certain secondary wastes described in the Final WIR Evaluation, from which key radionuclides have been removed to the maximum extent technically and economically practical, will be managed as low-level radioactive waste, subject to the following conditions and commitments: 1) the wastes will be incorporated in a solid physical form at a concentration that does not exceed the concentration limits for Class C low-level waste in 10 CFR 61.55; 2) the wastes will be disposed of in accordance with safety requirements comparable to the performance objectives in 10 CFR Part 61, Subpart C; and 3) the wastes will be properly characterized and classified, and will meet the waste acceptance criteria of the receiving facility.

Accordingly, pursuant to Chapter II.B.(2)(a) of DOE Manual 435.1-1, *Radioactive Waste Management Manual*, the vitrified low-activity waste and secondary wastes described in the Final WIR Evaluation are wastes incidental to the reprocessing of spent nuclear fuel, are not high-level radioactive wastes and will be managed as low-level radioactive wastes.

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Date



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