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Department of Energy

Idaho Operations Office
850 Energy Drive
Idaho Falls, Idaho 83401-1563

July 16, 2003

Mr. Wayne Pierre, Team Leader
Environmental Cleanup Office
U.S. Environmental Protection Agency
Region X
1200 Sixth Avenue
Seattle, Washington 98101

Mr. Dean Nygard, Site Remediation Manager
Idaho Department of Environmental Quality
1410 N. Hilton
Boise, Idaho 83706

Subject: Transmittal of the Final Laboratory Study Work Plan for Chemical Oxidation and Stabilization of V-Tanks' Contents, TSF-09/18, and Final Cold Bench-Scale Test Plan for Chemical Oxidation/Stabilization of Surrogate V-Tank Waste (TSF-09/18), at Waste Area Group 1, Operable Unit 1-10, Test Area North - (EM-ER-03-179)

Dear Mr. Pierre and Mr. Nygard:

The enclosed *Laboratory Study Work Plan for Chemical Oxidation and Stabilization of V-Tanks' Contents, TSF-09/18, at Waste Areas Group 1, Operable Unit 1-10, (DOE/ID-11083)*, describes study objectives, and test methods and materials needed to determine key preliminary design and operating parameters for treating and disposing of the contents of the V-tanks. The tests addressed in the work plan will use both waste surrogates (cold bench-scale testing) and actual V-Tank waste samples (hot bench-scale testing). The studies are structured to allow enough flexibility so that results of initial tests will guide the direction of subsequent tests.

The *Cold Bench-Scale Test Plan for Chemical Oxidation/Stabilization of Surrogate V-Tank Waste (TSF-09/18) at Waste Areas Group 1, Operable Unit 1-10, (INEEL/EXT-03-00860)*, describes specific test objectives, and test methods and materials for bench-scale testing with surrogate V-Tank waste. The bench-scale testing will determine preliminary stoichiometry and kinetics, bulk off-gas generation rates, and general conditions for effective chemical oxidation, to be used to support the preliminary (30%) design.

The final laboratory study work plan has incorporated the agreed upon Agency comment resolutions to the draft document as identified in the comment resolution forms contained in Appendix A to the document. The final cold bench-scale test plan is provided for information.

Pierre, Nygard

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Please contact me at (208) 526-4392 or Mark Shaw at (208) 526-6442 with any questions.

Sincerely,

Handwritten signature in black ink that reads "KESHain for".

Kathleen E. Hain, Manager
Environmental Restoration Program

Enclosures

cc: C. Cody, DEQ, 1410 N. Hilton, Boise, ID 83706
M. Wilkening, EPA Region X, Idaho Ops Office, 1435 N. Orchard St., Boise, ID 83706