



Department of Energy
Richland Operations Office
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0052521

00-ORL-021

FEB 02 2000

Mr. Michael A. Wilson, Program Manager
Nuclear Waste Program
State of Washington
Department of Ecology
P. O. Box 47600
Olympia, Washington 98504

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FEB 07 2000

EDMC

Dear Mr. Wilson:

PLUTONIUM FINISHING PLANT BASIS FOR DESIGNATION OF THE SAND, SLAG
AND CRUCIBLE PLUTONIUM CONTAINING (SS&C) RESIDUE

The attached package requested by Laura Ruud provides the basis for designation of the sand, slag and crucible (SS&C) plutonium containing residue at the Plutonium Finishing Plant. The information provided will support regulatory decisions that the State of Washington Department of Ecology (Ecology) will be making regarding the permitting of the cementation treatment unit.

Attachment 1 provides a schematic and written description of the plutonium conversion to metal process. The SS&C with plutonium content less than thirty percent is considered a waste by product from the plutonium conversion process.

Attachment 2 provides a written analysis of the basis for the designation of the waste. As described in the designation package, adequate, well-documented process knowledge has allowed the U.S. Department of Energy to determine that the Ignitability-D001, and Reactivity-D003 codes apply to this waste. Because these federal codes are assigned, Underlying Hazardous Constituent codes for lead (Pb), and chromium (Cr) also apply.

If you have any questions, please contact me on (509) 376-6888, or Larry D. Romine, Director, Materials Disposition Division, on (509) 376-4747.

Sincerely,

George H. Sanders, Program Manager
Office of Regulatory Liaison

ORL:JKY

Attachments:
As stated

cc: See page 2

Mr. Michael A. Wilson
00-ORL-021

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cc w/attachs:

L. J. Cusak, Ecology
S. Mohan, Ecology
E. R. Skinnarland, Ecology
R. F. Stanley, Ecology
L. E. Ruud, Ecology
J. W. Yokel, Ecology
O. S. Wang, Ecology
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A. M. Hopkins, FHI
G. W. Jackson, FHI

cc w/o attachs:

J. R. Wilkinson, CTUIR
J. E. Bramson, FHI
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J. S. Hertzell, FHI
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