



Department of Energy
Richland Operations Office
P.O. Box 550
Richland, Washington 99352

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070448

JUL 13 1999

Mr. Stanislaw Leja
Acting Perimeter Areas Section Manager
Nuclear Waste Program
State of Washington
Department of Ecology
1315 W. Fourth Avenue
Kennewick, Washington 99336-6018



Dear Mr. Leja:

100-NR-1 TREATMENT, STORAGE, AND DISPOSAL (TSD) UNITS ENGINEERING
STUDY, BHI-01092, REV. 1

Attached are two copies of the subject document. When Revision 0 was originally published in 1997, it used conservative estimates of radioactive contamination levels and dose rates derived from limited characterization data to evaluate various methods for excavation and disposal of wastes from the 116-N-1 and 116-N-3 TSD units. Revision 0 concluded that a significant amount of special handling of contaminated soil, including packaging of high activity material into sealed boxes, was necessary to safely allow disposal at the Environmental Restoration Disposal Facility (ERDF). The special handling requirements increased remediation costs to \$37.6 million which is the remediation cost currently presented in the draft Record of Decision for the 100-NR-1 Operable Unit TSD sites.

Revision 1 (Appendix E) provides a reevaluation of the conclusions of the 1997 study based on the results of new soil sampling data obtained during December 1998. The new data shows that the need for most of the special handling requirements prescribed in Revision 0 can be eliminated. Therefore, the estimated cost for remediation has been reduced to \$21.9 million.

The revised engineering study will be receiving concurrent review by the U.S. Department of Energy, Richland Operations Office, and the State of Washington Department of Ecology. Please provide written comments to me by August 9, 1999. If you want to discuss this matter further or require additional information, please contact me at 376-9552.

Sincerely,

Glenn I. Goldberg, Project Manager
Remedial Actions Project

RAP:GIG

Attachment

cc: See page 2

070448

Mr. Stanislaw Leja

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JUL 13 1999

cc w/attach:

R. Bond, Ecology

P. R. Staats, Ecology

cc w/o attach:

R. L Donahoe, BHI

C. W. Hedel, CHI

B. Mukherjee, BHI