



U.S. Department of Energy
Office of River Protection

0058165

P.O. Box 450
Richland, Washington 99352

OCT 09 2002

02-TOD-073

Mr. Michael A. Wilson, Program Manager
Nuclear Waste Program
State of Washington
Department of Ecology
1315 W. Fourth Avenue
Kennewick, Washington 99336

RECEIVED
OCT 15 2002

EDMC

Dear Mr. Wilson:

SUBMITTAL OF FUNCTIONS AND REQUIREMENTS (F&R) DOCUMENTS FOR MILESTONE M045-05-T16 THE STATE OF WASHINGTON DEPARTMENT OF ECOLOGY (ECOLOGY) FOR FORMAL REVIEW AND COMMENT AS DESCRIBED IN SECTION 9 OF THE HANFORD FEDERAL FACILITY AGREEMENT AND CONSENT ORDER (HFFACO) FOR AGREEMENT PRIMARY DOCUMENTS.

The U.S. Department of Energy, Office of River Protection (ORP) is pleased to transmit the "Hanford Federal Facility Agreement and Consent Order Milestone M-45-05-T16: S-102 Initial Waste Retrieval Functions and Requirements RPP-10901, Revision 0." This document is being submitted as the primary document in support of Milestone M-45-05-T16 entitled, "Submit S-102 Initial Waste Retrieval Functions and Requirements Document". Approval of this document, by Ecology, is required prior to initiating final design of Tank 241-S-102 (S-102) Waste Retrieval System. This document is being submitted early so the project critical path is not affected and to allow adequate time for Ecology review, and comment resolution.

Please review the draft F&R document per Section 9.2.1 of the HFFACO. ORP would appreciate receiving a single set of Review Comment Record (RCR) forms that are free of duplicate or conflicting comments within 45 days. Comments should be provided with adequate specificity, including references when appropriate, to enable a timely and cost-effective revision and approval process. Once ORP has received Ecology's comments, ORP proposes that ORP and Ecology meet and come to agreement on the disposition of Ecology comments.

The F&R document contains the retrieval system performance requirements, inclusive of Leak Detection, Mitigation, and Monitoring (LDMM). The supporting scoping level Retrieval Performance Evaluation (RPE) is included as required. The scoping level RPE provides:

Mr. Michael A. Wilson
02-TOD-073

-2-

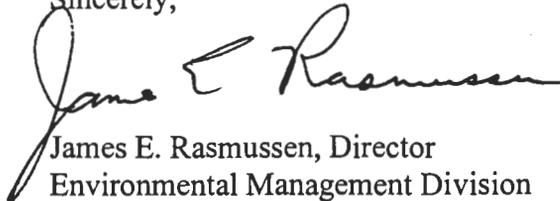
OCT 09 2002

- Environmental and human health risk evaluation and data associated with the estimated volumes to be retrieved.
- Environmental and human health risk evaluation and data associated with the estimated maximum volume that could leak during retrieval and from residual wastes.
- Known and estimated radionuclide contamination and contaminant migration within the vadose zone as a basis of calculation.

The F&R address lessons learned, including LDMM, retrieval, instrumentation, and operational experience from previous ORP and industry related retrieval projects and develop the demonstration LDMM and retrieval strategies.

If you have any questions, please contact Robert Lober, ORP, (509) 373-7949, or Andy Stevens, ORP, (509) 373-8235, or James Thompson (509) 373-9757.

Sincerely,



James E. Rasmussen, Director
Environmental Management Division

TOD:JFT

cc: See page 3

Michael A. Wilson
02-TOD-073

-3-

OCT 09 2002

cc: w/attachments

S. L. Dahl-Crumpler, Ecology
R. V. Heggen, Ecology
J. J. Lyon, Ecology
R. Stanley, Ecology
D. B. Bartus, EPA c/o Ecology
N. Ceto, EPA
J. S. Hertzell, FHI
O. S. Kramer, FHI
T. Martin, HAB
P. Sobotta, NPT
R. Jim, YN
K. Niles, OR Dept. of Energy
TPA Administrative Record

cc: w/o attachments

R. E. Bauer, CHG
K. E. Carpenter, CHG
W. T. Dixon, CHG
S. G. Fowler, CHG
M. H. Sturges, CHG
R. C. Wilson, CHG