



0065341

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

05-AMCP- 0287

MAY 31 2005

Mr. Michael A. Wilson, Program Manager
Nuclear Waste Program
State of Washington
Department of Ecology
3100 Port of Benton Boulevard
Richland, Washington 99354

RECEIVED
JUN 13 2005

EDMC

Dear Mr. Wilson:

TRANSMITTAL OF REVISED SCHEDULE OF THE REMEDIAL INVESTIGATION/
FEASIBILITY STUDY (RI/FS) WORK PLAN FOR TANKS/LINES/PITS/BOXES/SEPTIC
TANKS AND DRAIN FIELDS WASTE GROUP OPERABLE UNIT, 200-IS-1 AND 200-ST-1,
DOE/RL-2002-14, REVISION 1, DRAFT A

- References:
- (1) RL ltr. to M. A. Wilson, Ecology, from K. A. Klein, "Remedial Investigation Feasibility Study (RI/FS) Work Plan for Tanks/Lines/Pits/Boxes/Septic Tanks and Drain Fields Waste Group Operable Unit, 200-IS-1 and 200-ST-1," 05-AMCP-0248, dtd. May 3, 2005. 63323
 - (2) RL ltr. to J. B. Price, Ecology, from K. A. Klein, "Remedial Investigation/ Feasibility Study (RI/FS) Work Plan for Tanks/Lines/Pits/Boxes/Septic Tanks and Drain Fields Waste Group Operable Unit, 200-IS-1 and 200-ST-1," 05-AMCP-0200, dtd. March 16, 2005. 65112
 - (3) Ecology ltr. to M.S. McCormick, RL, from J. B. Price, "Remedial Investigation/Feasibility Study (RI/FS) Work Plan for Tanks/Lines/Pits/Boxes/Septic Tanks and Drain Fields Waste Group Operable Unit, 200-IS-1 and 200-ST-1," dtd. February 25, 2005. 64068
- 63880

On February 25, 2005, the State of Washington, Department of Ecology (Ecology) notified the U.S. Department of Energy, Richland Operations Office (RL) that they had major issues with the 200-IS-1 and 200-ST-1 RI/FS Work Plan that was submitted December 22, 2004, and suggested that resolution of these concerns would be done in accordance with the dispute resolution process described in the Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement) Legal Agreement, Article VIII. These discussions were initiated at the project manager level.

On May 3, 2005, RL committed to continued collaborative discussions with Ecology on the 200-IS-1 and 200-ST-1 RI/FS Work Plan. During these discussions, it was determined that the clarity of the document could be enhanced as well as a more detailed plan was needed to address project challenges.

MAY 31 2005

A recovery schedule was developed that includes the following assumptions:

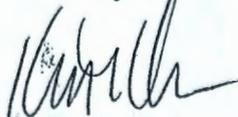
- Approval of the current Sampling and Analysis Plan within the limits of the Tri-Parties Agreement for the tanks and septic systems
- Sampling of tank contents is not necessary to characterize the tanks, based on sufficient process knowledge
- Pipeline investigation assumes six waste types include radiological components plus:
 - High Organic/Low pH waste
 - High Organic/near neutral pH waste
 - Very High Salt/High pH waste
 - Chelates/High Salts waste
 - Low Organic/Low pH waste
 - Low Organic/Low Salts/Near Neutral pH waste
- Phase II field work assumes direct pushes to 20 feet
- Phase II field work assumes field investigation of one pipeline per waste type
- Phase II field work assumes 7 samples per waste type to obtain 42 samples

The attached schedule mitigates any impact to follow-on Tri-Party Agreement workscope. Data collection and evaluation will be performed over the next several weeks, followed by a mid-July kick-off to revise the work plan. Our joint effort will support clarification of the work plan in parallel with phased field investigation that will support a decision document for tanks and septic systems by February 2007, and pipelines by October 2008. In addition, clear decision logic will be prepared describing how the 200-IS-1 waste sites will be investigated with potential "binning" logic for remedial actions.

As stated in my May 3, 2005, letter on this effort, RL will work with Ecology to define the characterization and remedial decision criteria; coordinate with the U.S. Department of Energy, Office of River Protection and the U Plant Pipeline Engineering Evaluation and Cost Analysis Project; incorporate lessons-learned for characterizing and remediating pipelines; and as appropriate, utilize the Data Quality Objective process to assist in evaluating sub-surface characterization technologies.

If there are any questions, please contact me, or your staff may contact Matt McCormick, Assistant Manager for the Central Plateau, on (509) 373-9971.

Sincerely,



Keith A. Klein
Manager

AMCP:KDL

Attachment

cc: See page 3

Mr. Michael A. Wilson
05-AMCP-0287

-3-

MAY 31 2005

cc w/attach:

G. Bohnee, NPT
C. E. Cameron, EPA
N. Ceto, EPA
L. J. Cusack, Ecology
S. Harris, CTUIR
M. N. Jaraysi, CH2M
R. Jim, YN
J. J. Lyon, Ecology
T. Martin, HAB
K. Niles, ODOE

Administrative Record (200-IS-1, 200-ST-1)
Environmental Portal

cc w/o attaches:

L. D. Crass, FHI
J. S. Hertzell, FHI
M. Hickey, FHI
M. E. Todd-Robertson, FHI
E. J. Murphy-Fitch, FHI

Activity ID	Activity Name	Original Duration	Start	Finish	2005		2006				2007				2008				2009			
					Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	
4-2 IS-1		867	15-Jun-05	09-Oct-08	[Gantt bar]																	
4-2.1 (New WBS)		867	15-Jun-05	09-Oct-08	[Gantt bar]																	
4-2.1.2 (New WBS)		867	15-Jun-05	09-Oct-08	[Gantt bar]																	
4-2.1.2.5 (New WBS)		867	15-Jun-05	09-Oct-08	[Gantt bar]																	
4-2.1.2.5.10 (New WBS)		867	15-Jun-05	09-Oct-08	[Gantt bar]																	
4-2.1.2.5.10.1 200 IS-1 TANKS, PITS AND PIPELINES		867	15-Jun-05	09-Oct-08	[Gantt bar]																	
4-2.1.2.5.10.1.01 Collect Existing Data		21	15-Jun-05	13-Jul-05	[Gantt bar]																	
A1040 Rad Data		10	15-Jun-05	28-Jun-05	[Gantt bar]																	
A1050 Characterization Data		10	29-Jun-05	13-Jul-05	[Gantt bar]																	
A1060 Process History		10	15-Jun-05	28-Jun-05	[Gantt bar]																	
4-2.1.2.5.10.1.02 Evaluate Existing Data		132	29-Jun-05	25-Dec-05	[Gantt bar]																	
A1070 Tanks		10	29-Jun-05	13-Jul-05	[Gantt bar]																	
A1080 Septic Systems		5	14-Jul-05	20-Jul-05	[Gantt bar]																	
A1090 Pipelines		5	14-Jul-05	20-Jul-05	[Gantt bar]																	
A1100 Submit Phase I Tanks & Septic SAP to Ecology(Tan...		5	21-Jul-05	27-Jul-05	[Gantt bar]																	
A1110 Ecology Review of Phase I SAP (45 Calendar Days)		32	28-Jul-05	12-Sep-05	[Gantt bar]																	
A1170 DOE Response to Tank & Septic SAP Comments (3...		22	13-Sep-05	12-Oct-05	[Gantt bar]																	
A1180 Submit Revised Tank & Septic SAP (45 Calendar Da...		31	13-Oct-05	28-Nov-05	[Gantt bar]																	
A1190 Ecology Review & Approve Tank & Septic SAP (30 ...		21	29-Nov-05	29-Dec-05	[Gantt bar]																	
4-2.1.2.5.10.1.03 Revise Work Plan		126	21-Jul-05	13-Jan-06	[Gantt bar]																	
A1120 Conduct Kickoff Meeting		1	21-Jul-05*	21-Jul-05	[Gantt bar]																	
A1130 Modify 200 IS-1 DQO		60	22-Jul-05	14-Oct-05	[Gantt bar]																	
A1140 Modify Tank Section		15	17-Oct-05	04-Nov-05	[Gantt bar]																	
A1150 Modify Septic System Section		5	07-Nov-05	11-Nov-05	[Gantt bar]																	
A1160 Prepare Revise Pipeline Section		40	14-Nov-05	13-Jan-06	[Gantt bar]																	
4-2.1.2.5.10.1.04 Treatability Investigation Pipelines		90	17-Oct-05	17-Feb-06	[Gantt bar]																	
A1220 Obtain Existing and to be Generated Data		20	17-Oct-05	11-Nov-05	[Gantt bar]																	
A1230 Evaluate Existing Data For Performance and Operati...		10	14-Nov-05	29-Nov-05	[Gantt bar]																	
A1240 Submit Treatability Study For Review		55	30-Nov-05	17-Feb-06	[Gantt bar]																	
4-2.1.2.5.10.1.05 Work Plan Review Cycle		271	15-Jan-06	25-Jan-07	[Gantt bar]																	
A1780 Prepare Decisional Draft WP		30	16-Jan-06	27-Feb-06	[Gantt bar]																	
A1790 Submit Decisional Draft WP to RL and ORP		10	28-Feb-06	13-Mar-06	[Gantt bar]																	
A1810 Prepare Draft A Work Plan		55	14-Mar-06	30-May-06	[Gantt bar]																	
A1820 Submit Draft A WP to RL for Transmittal to Ecology		10	31-May-06	13-Jun-06	[Gantt bar]																	
A1830 Ecology Review of Draft A WP (60 Calendar Days)		43	14-Jun-06	14-Aug-06	[Gantt bar]																	
A2200 DOE Respond to Draft A WP Comments (30 Calend...		21	15-Aug-06	13-Sep-06	[Gantt bar]																	
A2210 Ecology Review of Draft A RTC (30 Calendar Days)		22	14-Sep-06	13-Oct-06	[Gantt bar]																	
A2220 Prepare Revision 0 of WP (45 Calendar Days)		31	16-Oct-06	29-Nov-06	[Gantt bar]																	
A2420 Ecology Review & Approve WP (30 Calendar Days)		40	30-Nov-06	29-Jan-07	[Gantt bar]																	
A2510 Issue Approved WP		0		29-Jan-07	[Gantt bar]																	
4-2.1.2.5.10.1.06 Phase I Field Investigation		209	15-Jun-05	03-Apr-06	[Gantt bar]																	
4-2.1.2.5.10.1.06.1 Tank Investigation		200	15-Jun-05	21-Mar-06	[Gantt bar]																	
A1840 Tank Field Planning		40	15-Jun-05	10-Aug-05	[Gantt bar]																	
A1855 Authorization to Proceed From Ecology		0	13-Sep-05		[Gantt bar]																	
A1860 Hexone and CX Tanks Investigation		50	04-Oct-05	14-Dec-05	[Gantt bar]																	
A1900 Tank Sample Analysis		65	15-Dec-05	21-Mar-06	[Gantt bar]																	
4-2.1.2.5.10.1.06.2 Septic System Investigation		145	13-Sep-05	03-Apr-06	[Gantt bar]																	
A1930 Septic System Sampling		25	13-Sep-05	17-Oct-05	[Gantt bar]																	

█ Actual Work
 █ Critical Remaining Work
 ▬ Summary
█ Remaining Work
 ◆ Milestone

