

0058462



U.S. Department of Energy
Office of River Protection

P.O. Box 450
Richland, Washington 99352

DEC 19 2002

02-TPD -034

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

RECEIVED
DEC 31 2002
EDMC

Dear Mr. Wilson:

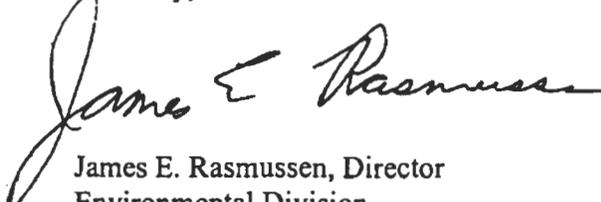
TRANSMITTAL OF MINUTES OF NOVEMBER 21, 2002, MEETING REGARDING
DELIVERABLE FOR MILESTONE M-45-05I-T01

The purpose of this letter is to transmit and obtain Washington State Department of Ecology (Ecology) concurrence on the minutes of the November 21, 2002 meeting between Mr. Jeffery Lyon and Mrs. Suzanne Dahl-Crumpler, Ecology, Mr. James Thompson, Office of River Protection (ORP), and Mr. Keith Carpenter, CH2M Hill Hanford Group, Incorporated (CHG).

The purpose of the meeting was to come to agreement with Ecology on the expectations and acceptance criteria of the deliverable for Milestone M-45-05I-T01. The information discussed and the agreements reached at the meeting are documented in the attached meeting minutes. Mr. Jeffery Lyon previously reviewed the draft meeting minutes on December 5, 2002. This letter formally transmits the meeting minutes for Ecology's approval and signature. Please return the signed minutes to me with a copy to the Hanford Federal Facility Agreement and Consent Order, Administrative Record.

If you have any questions, please contact me, or your staff may contact Jim Thompson, Tank Farms Programs and Projects Division (509) 373-9757.

Sincerely,


James E. Rasmussen, Director
Environmental Division

TPD:JFT

Attachment

cc: K. E. Carpenter, CHG
J. J. Lyon, Ecology

Meeting Minutes Transmittal

**Agreement on Deliverable for Hanford Federal Facility Agreement and Consent Order
(HFFACO) Milestone M-45-05I-T01, "CONDUCT C-106 WASTE RETIEVAL AND
CLOSURE DEMONSTRATION PROJECT 30% DESIGN CONSULTATION."**

**Ecology Offices
1314 West Fourth Avenue
Kennewick, Washington
November 21, 2002
10:00 a.m. to 12:00 p.m.**

The undersigned indicate by their signatures that these meeting minutes reflect the actual occurrences of the above dated HFFACO Milestone M-45-05i-T01 meeting.

James F. Thompson, Jr.
James F. Thompson, Jr., DOE/ORP

Date: 12/15/02

Jeffery Lyon, Washington State Department of Ecology

Date: _____

Suzanne Dahl, Washington State Department of Ecology

Date: _____

CHG Concurrence:

Keith E. Carpenter
Keith E. Carpenter, CHG

Date: 12/17/02

PURPOSE: Come to agreement with Washington State Department of Ecology (Ecology) on the content of the deliverable for HFFACO Milestone M-45-05I-T01.

**Summary of Discussion and Agreements on the
Deliverable for Hanford Federal Facility Agreement and Consent Order (HFFACO)
Milestone M-45-05I-T01, "CONDUCT C-106 WASTE RETIEVAL AND CLOSURE
DEMONSTRATION PROJECT 30% DESIGN CONSULTATION."**

**Ecology Offices
1314 West Fourth Avenue
Kennewick, Washington
November 21, 2002
10:00 a.m. to 12:00 p.m.**

Deliverable for HFFACO Milestone M-45-05I-T01.

The purpose of this meeting was to discuss and come to agreement with Washington State Department of Ecology (Ecology) on the content of the deliverable for HFFACO Milestone M-45-05I-T01. The deliverable for the milestone is due on January 31, 2003.

The full text of HFFACO Milestone M-45-05I-T01 reads:

**"CONDUCT C-106 WASTE RETIEVAL AND CLOSURE DEMONSTRATION PROJECT
30% DESIGN CONSULTATION."**

"THIS EFFORT INCLUDES THE REQUIREMENT TO DELIVER A PROJECT STATUS BRIEFING AT THE 30% DESIGN REVIEW STAGE TO ALLOW ECOLOGY CONSIDERATION. THE BRIEFING SHALL PROVIDE A PROJECT STATUS REPORT AND ENVIRONMENTAL AND HUMAN HEALTH RISK EVALUATION DATA / INFORMATION ASSOCIATED WITH ESTIMATED WASTE VOLUMES TO BE RETRIEVED, AND WITH THE ESTIMATED WASTE VOLUME OF RESIDUAL WASTE. TARGET LEAK DETECTION THRESHOLDS WILL ALSO BE PRESENTED. THE INFORMATION PROVIDED WILL PROVIDE ESTIMATED RADIONUCLIDE CONTAMINATION AND CONTAMINANT MIGRATION WITHIN THE VADOSE ZONE AS BASIS OF THE CALCULATION."

The milestone language was not clear on the full content of the status briefing and briefing materials. Keith Carpenter, CH2MHill Hanford Group, Inc. (CHG) and Jim Thompson, Office of River Protection (ORP), explained that there would be no problem in presenting the following information at the status briefing:

- Project Status,
- Estimate of volume of waste to be retrieved,
- Estimate of residual waste volume,
- Estimate of the curies to be removed by removing the supernatant from the tank,
- Leak detection logic, and
- Leak detection thresholds.

The milestone language that was unclear was the information associated with:

- "Environmental and human health risk evaluation data / information associated with estimated waste volume to be retrieved, and with the estimated waste volume of residual waste," and
- "Estimated radionuclide contamination and contaminant migration within the vadose zone as basis of the calculation."

In discussing the above language, Suzanne Dahl and Jeff Lyon, Ecology, explained that Ecology wanted ORP to present charts showing the risk reduction from removal of the waste from Tank C-106, and the risk associated with any residual waste left in the tank. Additionally, if a leak were to occur, what would be the migration of the material through the vadose zone.

Jeff Lyon, Ecology, also pointed out that it would be beneficial if Ecology could see the relationship between risk of leaks during the retrieval process and the actions to be taken by the retrieval process operators. This information will be documented in the process control plans for C-106 retrieval.

Based upon this discussion, and the available data from the Tank C-104 Retrieval Performance Evaluation (RPE), Ecology will consider presentation of the following information as meeting the requirements of HFFACO Milestone M-45-05I-T01:

- Project Status,
- Estimate of volume of waste to be retrieved,
- Estimate of residual waste volume,
- Estimate of the curies to be removed by removing the supernatant from the tank (Based upon concentration of Technetium 99),
- Leak detection logic, and
- Leak detection thresholds.

Additionally, using the Tank C-104 RPE as the basis of the analysis and Technetium 99 as the constituent of concern, a white paper will be developed to address the risks associated with Tank C-106 retrieval. The white paper will contain:

- Table of assumptions,
- Risk evaluation criteria, and a
- Table of results.

The results table shall include:

- Risk reduction resulting from removal of waste from Tank C-106,
- Risk and consequences of a leak during retrieval operations,
- Risk and consequences of residual waste left in the tank, and
- Table showing cross walk of risk to process control actions to be taken.

Jim Thompson, ORP, took the action to prepare and distribute the draft meeting minutes and to incorporate comments and input from the meeting participants prior to formally transmitting the minutes to Ecology and CHG.

Attendance List
Agreement on Deliverable for Hanford Federal Facility Agreement and Consent Order
(HFFACO) Milestone M-45-05I-T01, "CONDUCT C-106 WASTE RETIEVAL AND
CLOSURE DEMONSTRATION PROJECT 30% DESIGN CONSULTATION."

Ecology Offices
1314 West Fourth Avenue
Kennewick, Washington
November 21, 2002
10:00 a.m. to 12:00 p.m.

Meeting Title: Agreement on Deliverable for Hanford Federal Facility Agreement and
Consent Order (HFFACO) Milestone M-45-05I-T01.

Date: November 21, 2002.

Name	Company	Phone Number
Janet W. Badden	CHG	372-9698
Keith E. Carpenter	CHG	372-2452
Suzanne Dahl-Crumpler	Ecology	735-5705
Jeffery Lyon	Ecology	736-3098
John G. Propson	CHG	372-0455
Woody Russell	ORP-ED	373-5227
Andrew J. Stevens	ORP-TPD	376-8235
James F. Thompson	ORP-TPD	373-9757

Distribution:

ADMINISTRATIVE RECORD (two copies): A1-14
Debbie Isom (two copies): H6-08

Task Detail Report

12/19/2002 10:21 AM

Task #: ORP-TPD-2002-0025 - Closed (12/19/2002)

Parent Task #:

Subject: Concurrence 02-TPD-034 Transmittal of Minutes Milestone M-45-05I-T01

Category: None

Due Date:

Originator: Perez, Annez

Reference #: 02-TPD-034

Deliverable: None

Status: Closed

Priority: None

Originator Phone: (509)372-1382

Assigned By: Self

Assigned Role: Originator

Assigned Date: 12/16/2002

Assigned Due Date:

Routing Lists: **Route List - Inactive**

- Thompson, James F - Approve - Approve - 12/16/2002 08:18
- Clark, Diane L - Approve - Approve with comments - 12/18/2002 14:32 (By: Perez, Annez)
- Noyes, Delmar L - Approve - Approve - 12/18/2002 14:31 (By: Perez, Annez)
- Swailes, John H - Approve - Approve with comments - 12/18/2002 14:30 (By: Perez, Annez)
- Rasmussen, Jim E - Approve - Approve - 12/16/2002 14:14 (By: Gano, Becky)

Instructions:

bcc:
 TPD OFF FILE
 TPD RDG FILE
 MGR RDG FILE
 J. H. SWAILES, AMTF
 L. ERICKSON, DEPORP
 M. E. BURANDT, ED
 D. L. CLARK, TPD
 D. L. NOYES, TPD
 J. F. THOMPSON, TPD
 TPA, ADMINISTRATIVE RECORD

Correspondence is being routed for concurrence via hard copy instead of electronically. Once you receive the correspondence, please approve or disapprove electronically via E-STARS and route to the next person on the routing/concurrence list.

Attachments: No Attachments.

Comments

Response Comments

Poster / Date : Swailes, John H (Perez, Annez) - 2002-12-18 14:30:45

Subject : Perez, Annez -- Approve

Delmar signed for John he is acting. 12/18/2002

Poster / Date : Clark, Diane L (Perez, Annez) - 2002-12-18 14:32:12

Subject : Perez, Annez -- Approve

Phil LaMont approved for Diane Clark he is acting. 12/16/02

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DEC 19 2002

Task Due Date History:

DOE-ORP/ORPCC

Task Detail Report

12/16/2002 08:10 AM

Task #: ORP-TPD-2002-0025

Parent Task #:

Subject: Concurrence 02-TPD-034 Transmittal of Minutes Milestone M-45-051-T01

Category: None

Due Date:

Originator: Perez, Annez

Reference #: 02-TPD-034

Deliverable: None

Status: Open

Priority: None

Originator Phone: (509)372-1382

Assigned By: Self

Assigned Role: Originator

Assigned Date: 12/16/2002

Assigned Due Date:

Routing Lists: Route List - Active

- Thompson, James F - Approve - Awaiting Response *OK 12/16/02*
- Clark, Diane L - Approve - Awaiting Response *for Diane Clark 12/14/02*
- Noyes, Delmar L - Approve - Awaiting Response *12/18/02 ar*
- Swailes, John H - Approve - Awaiting Response *12/19/02 ar*
- Rasmussen, Jim E - Approve - Awaiting Response *12/19/02 JGR*

Instructions:

bcc:
 TPD OFF FILE
 TPD RDG FILE
 MGR RDG FILE
 J. H. SWAILES, AMTF
 L. ERICKSON, DEPORP
 M. E. BURANDT, ED
 D. L. CLARK, TPD
 D. L. NOYES, TPD
 J. F. THOMPSON, TPD
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Attachments: No Attachments.

Comments

Task Due Date History:

Date Modified	Task Due Date	Modified By
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-- End of Report --

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 DOE-ORP/ORPCC