

MEETING MINUTES

Subject: Expedited Response Action Weekly Interface

TO: Distribution

BUILDING: 740 Stevens Building

FROM: W. L. Johnson

CHAIRMAN: G. C. Henckel

Dept-Operation-Component	Area	Shift	Meeting Dates	Number Attending
Environmental Engineering	3000	Day	April 12, 1993	9

Distribution

State of Washington Department of Ecology

J. Donnelly
 L. Goldstein
 D. Goswami
 R. L. Hibbard
 J. Phillips
 D. D. Teel
 N. Uziemblo
 J. Yokel
 T. Wooley*

U.S. Army Corps of Engineers

Walter Perro A3-61

U.S. Department of Energy, Richland Field Office

H. L. Chapman A5-19
 J. K. Erickson A5-19
 B. L. Foley* A5-19
 E. D. Goller* A5-19
 R. G. McLeod A5-19
 P. M. Pak* A5-19
 R. K. Stewart A5-19

U.S. Environmental Protection Agency

P. R. Beaver* B5-01
 D. R. Einan
 D. A. Faulk*
 L. E. Gadbois*
 P. S. Innis*
 D. R. Sherwood

Westinghouse Hanford Company

L. D. Arnold B2-35
 M. V. Berriochoa B3-30
 H. D. Downey H6-27
 W. F. Heine B2-35
 G. C. Henckel* H6-04
 W. L. Johnson H6-04
 J. K. Patterson H6-27
 D. L. Sickle H6-27
 T. M. Wintczak H6-27
 EDMC H6-08
 ERAG Route H6-04
 GCH File/LB



***** *Attendees

The weekly interface meetings on the expedited response actions (ERAs) was held to status the ERAs for the U.S. Department of Energy, Richland Field Office (RL), the U.S. Environmental Protection Agency, and the State of Washington Department of Ecology. The meeting was conducted in accordance with the attached agenda. Actions were formally reviewed and the attached action item list was updated.

Attachments:

1. Agenda
2. Action Item List
3. Decisions, Agreements & Commitments
4. Expedited Response Action Weekly Report, week ending 04/11/93

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WEEKLY ERA INTERFACE AGENDA

SUBJECT: STATUS OF THE EXPEDITED RESPONSE ACTIONS

DATE: April 12, 1993

- GENERAL ISSUES
 - ERA Interface Action Item review
- INDIVIDUAL PROJECT STATUS
 - Riverland
 - o Proposal being finalized
 - Sodium Dichromate
 - o Complete excavation this week
 - Pickling Acid Crib
 - o Developing ERA Proposal
 - N-Springs
 - o Revising draft proposal
 - North Slope
 - o Developing proposal
 - 200-W Carbon Tetrachloride
 - o Operations continuing
 - o Wellfield design
 - o Source term characterization
 - 618-11
 - o Draft characterization report is being revised
- OTHER ISSUE
- SUMMARY OF ACTION ITEMS
- SIGN-OFF ON ANY DECISIONS, AGREEMENTS, OR COMMITMENTS

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EXPEDITED RESPONSE ACTION INTERFACE MEETING

-ACTION ITEMS-
April 12, 1993

ORGANIZATION

ACTION ITEM

WHC

WHC will provide RL, EPA, and Ecology copies of the GPR reports for the Riverland ERA site when it becomes available. (open) Note: North Slope, Sodium Dichromate, and Pickling Acid reports have been provided.

RL

RL will contact EPA to status the 618-9 closure report. (closed)

EPA/Ecology

EPA and Ecology will examine available data for radiation background as it pertains to ERAs. (open)

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EXPEDITED RESPONSE ACTION INTERFACE MEETING

**-DECISIONS, AGREEMENTS, & COMMITMENTS-
April 12, 1993**

DECISIONS:

AGREEMENTS:

NO SIGNIFICANT DECISIONS, AGREEMENTS OR
COMMITMENTS

COMMITMENTS:

DOE Representative

EPA Representative

ECOLOGY Representative

[Signature] 4/12/93

WHC Representative

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Weekly Report, Week Ending April 11, 1993
EXPEDITED RESPONSE ACTIONS
Technical and Management Contact - Wayne L. Johnson, 376-1721
Environmental Division

North Slope Expedited Response Action - Preparation of the ERA Proposal continues. A plant forces work review has been drafted to determine if the possible landfill exhumation (the currently preferred alternative of the regulatory agencies) is covered work or not. The NEPA CX was also reviewed to ensure it covered this scope of work. Correspondence has been initiated with the U.S. Army Corps of Engineers to ensure the activities/processes for remediating the North Slope are consistent with those being utilized for release of the ALE reserve.

N-Springs Expedited Response Action - WHC comments on the draft ERA proposal have been dispositioned and are currently being incorporated into the revised document. It is anticipated that the document will be provided to RL for review the week of April 12, 1993.

618-11 Burial Ground Expedited Response Action -

Historical Characterization Report - Draft completed and circulated for comments.

USRADS - The survey write-up for 618-10 was also concluded and received by ERE. Like 618-11, no surface contamination or significantly elevated dose rates were detected.

Transportation & Packaging Assessment - Comments are being resolved. Assessment memo is expected next week.

EE/CA - Reviewed example EE/CAs and prepared first order outline.

Environmental Baseline Monitoring - Air monitoring is being established at 618-10 to initiate baseline radiological "facility" data allowing for a potential demonstration at the site.

KEH Site Mapping - Kaiser was contacted to discuss preparation of a quality topographic map of the 618-11 site. A written estimate has been received.

Cultural Resource Survey - PNL CR personnel were reminded of this project. They foresee no special concerns with the site, but have not yet received our formal request for review.

Riverland Expedited Response Action - The ERA proposal is being prepared for public review by RL and the regulators. Public comment is expected to begin on April 19, 1993.

White Bluffs Pickling Acid Crib Expedited Response Action - ERA proposal is in preparation.

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Sodium Dichromate Expedited Response Action - The Sodium Dichromate ERA Cleanup activities have sent 17 dump truck loads to the Central Landfill facility. The loads consisted of about 2100 crushed barrels (16 loads) and one load of homestead debris (fencing and general trash).

200 West Area Carbon Tetrachloride Expedited Response Action - The Environmental Field Service's Health and Pesticide Services Section is over committed. As a result, the ERA may lose the critical analytical support of the mobile laboratory operated by C. Martin. This will have a significant impact on both characterization and wellfield ERA operations. The priorities for the field support of this laboratory and alternative sources of equivalent field analytical support, if necessary, need to be established.

1. CCL₄ ERA

A. VES Operations

Operations at 216-Z-9 - Limited operations continued at the Z-9 vapor extraction site using primarily the 1500 cfm unit, one well at a time, to establish baseline concentrations of CCl₄ from each well. Several problems were experienced with the leased 500 cfm system operation. The flowmeters at the incoming well field manifold lines were wired incorrectly giving faulty readings. This resulted in the inability to determine soil gas flows from the well and subsequently concentrations of CCl₄ from the well could not be estimated. Also, large flow restrictions were experienced on the downstream side of the vacuum blowers that necessitated installing a bypass around the heat exchanger unit on the leased system trailer. Efforts were focused on fixing these and other miscellaneous problems with both units that surfaced once operations began on March 31, 1993.

216-Z-1A Upgrade to 1000 cfm - 24 hour/day operations continued this past week at the Z-1A vapor extraction site. A problem was experienced with one of the new compliance flowmeters installed on the upgraded 500 cfm portion of the system that caused intermittent system shut downs during the week. The position of the flowmeter was exchanged with another flowmeter on Wednesday, April 7, 1993, and the problem appears to have been eliminated. The system is now extracting at full capacity from eight wells in the Z-1A and Z-18 well fields.

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WEEKLY CCL ₄ EXTRACTION TABLE					
Operational Date	Extraction System	Amount of CCl ₄ Removed (lbs)	Conc. Range (high-low) (ppm)	Total Operational Time (hrs)	Flowrate Range (high-low) (scfm)
Week of 3/31 - 4/6	500 cfm	7	450	1.5	450
	1000 cfm	383	490-536	60	670-750
	1500 cfm	88	4,000-14,000	10	40-50
Total 1993		1964		679.37	
Total 91-92		2111			
TOTAL		4075			

B. Well Field Design

Wellfield Design - Completion of vapor extraction well 299-W15-218 on the north side of the 216-Z-9 trench began April 5, 1993. Two screened intervals, one above and one below the caliche, will be installed. In addition, three small stainless steel tubes will be installed on the outside of the casing to allow subsurface pressures to be monitored at the surface.

Cone penetrometer well installation is scheduled for May 3, 1993, through June 15, 1993, in the vicinity of the three disposal sites.

Data collection continued through April 6, 1993, at the four complete wellhead monitoring systems installed on wells 299-W15-216A, 299-W15-216B, 299-W15-9, and 299-W15-217. The monitoring systems on wells 299-W15-216 and W15-217 will be dismantled this week to allow access for vapor extraction. A complete monitoring system has been installed on well 299-W18-7 and data collection began April 2, 1993.

DOS testing of the HEPA filter on the puffer unit for soil gas characterization in wells has been completed, and the unit is ready for operation.

Baseline Monitoring - On April 2, 1993, and April 6, 1993, under conditions of moderate barometric pressure (29.1 in. Hg), minor wellhead (up to 7 ppm) detections were observed in the 216-Z-1A, Z-18, and Z-12 areas. At the 216-Z-9 area well 299-W15-84, now sealed, had cap-off readings of 113 and 715 ppm. Well 299-W15-82 is now part of the Z-9 vapor extraction wellfield and will not be monitored until it is again available.

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C. Site Characterization

Source Term Characterization - Engineering Surveillance and Testing provided a draft final report of the camera inspection of the effluent pipelines on March 26, 1993, for review and provided copies of the official videotapes on March 30, 1993. The sludge sample obtained February 23, 1993, from the retrieved camera was sent to the 325 Radiochemistry Laboratory for analysis.

The angle hole demonstration planned for the sonic drill rig will be drilled underneath the parking lot north of the 216-Z-9 trench instead of directly under the 216-Z-9 trench, as described in the workplan. The change will (1) provide access to the subsurface beneath the parking lot, which has been targeted for vapor extraction because shallow soil gas probes indicate relatively high concentrations of carbon tetrachloride there; (2) replace the need to drill a vertical well in the parking lot (staked as "VEX 6"); (3) be close to the well currently being completed (299-W15-218) and for which good geologic and contaminant information is available; (4) provide a margin of comfort during the demonstration test that drilling beneath a plutonium crib would not; and (5) reduce the number of areas that would require downsizing of the casing. After the successful demonstration, consideration should be given to proceeding with angled access to soils below the 216-Z-9 trench.

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