

MEETING MINUTES

Subject: Expedited Response Action Weekly Interface

TO: Distribution

BUILDING: 740 Stevens Building

FROM: W. L. Johnson

CHAIRMAN: G. C. Henckel *W. L. Johnson*

Dept-Operation-Component	Area	Shift	Meeting Dates	Number Attending
Environmental Engineering	3000	Day	February 8, 1993	19

DistributionState 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

J. T. Stewart A5-20

U.S. Department of Energy, Richland Field Office

H. L. Chapman A5-19
 J. K. Erickson 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
 M. C. Hagood* H6-04
 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

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*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 and the regulators. The meeting was conducted in accordance with the attached agenda. Actions were formally reviewed and the attached action item list was updated. The weekly report is also attached.

All eight ERAs were discussed and their status summarized. Ecology provided draft results for split sampling at the Riverland ERA site. The action item concerning the M-14 settlement wording was closed as the parties agreed that the project plan for the N-Springs meets the intent of the settlement. EPA and Ecology visited the Riverland site Friday, February 12, 1993, to look at the trench discharge area.

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START

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Attachments:

1. Agenda
2. Action Item List
3. Decisions, Agreements & Commitments
4. Expedited Response Action Weekly Report, week ending 02/07/93
5. Ecology sample results from Homestead by Riverland Rail Wash Pits

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WEEKLY ERA INTERFACE AGENDA

SUBJECT: STATUS OF THE EXPEDITED RESPONSE ACTIONS

DATE: February 8, 1993

- GENERAL ISSUES
 - ERA Interface Action Item review
- INDIVIDUAL PROJECT STATUS
 - 200-W Carbon Tetrachloride
 - o 24-hour operation 2/3/93
 - o Wellfield enhancement workplan released 2/1/93
 - o GAC release letter being revised
 - o Drilling initiated 2/3/93 by 2/9/93
 - N-Springs
 - o EE/CA on schedule
 - o Model status
 - Sodium Dichromate
 - o Tentative start 3/1/93
 - North Slope
 - o Sampling of "underground" structure
 - o Acid neutralization field change
 - Pickling Acid Crib
 - o Data beginning to arrive
 - Riverland
 - o Rad data due this week
 - o Need to discuss results of regulator sampling
 - 618-11
 - o 325 data from PNL
 - 316-5 & 618-9
 - o Status of closure reports
- 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-
February 8, 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) North Slope, Sodium Dichromate, and Pickling Acid reports have been provided. (open)
EPA	Provide information on passive emissions for CCl ₄ . (open)
EPA	Develop procedure for inclusion in TPA handbook for transmittal of field information and sample data obtained by regulators during split sampling activities. (open)
EPA/Ecology	EPA & Ecology will provide clarification of the wording on the M-14 settlement. (closed)
WHC	WHC will provide a briefing on data from the Anti-Aircraft sites. (open)
DOE-HQ	DOE-HQ will provide information regarding sanitary landfill Record of Decisions and risk assessment screening related to federal activities. (open)

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EXPEDITED RESPONSE ACTION INTERFACE MEETING

-DECISIONS, AGREEMENTS, & COMMITMENTS-
February 8, 1993

DECISIONS:

AGREEMENTS: The M-14 settlement wording concerning the N-Springs ERA is consistent with the direction for the ERA as described in the N-springs Project Plan, 1992.

COMMITMENTS:

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Paul M. Duke for EDC

DOE Representative

[Signature] 2-8-93

ERA Representative

[Signature] 2/8/93

ECOLOGY Representative

[Signature] 2/8/93

WHC Representative

Weekly Report, Week Ending February 7, 1993
EXPEDITED RESPONSE ACTIONS
Technical and Management Contact - Wayne L. Johnson, 376-1721
Environmental Division

North Slope Expedited Response Action - Preliminary results from the geophysical survey conducted at Nike Missile Launch site H-83-L are complete. The original grid will be extended to include additional disturbed areas not in the original survey area. A field change to the sampling plan was drafted to relocate sampling at the H-06-L acid neutralization pit to the pit located at H-12-L. This change was a result of not being able to locate the pit at position H-06-L.

Samples were taken from the underground structure located at PSN-04. The sampling grid has been established at the 2,4-D burial ground. The auger rig will be used in obtaining samples as a result of information obtained from a Bureau of Reclamation employee present when the 2,4-D was disposed of. Preparation of the ERA Proposal continues. Data continues to arrive from the analytical labs. Initial review of the data indicated no elevated levels of contaminants.

N-Springs Expedited Response Action - Preparation of the ERA proposal continues and is on schedule. RL has indicated that they do not want to see the Pore-Flow modeling results of N-Springs alternatives used in the Engineering Evaluation/Cost Assessment (EE/CA). The consultants preparing the EE/CA feel that the modeling results are a necessary tool in selecting the preferred alternative. A meeting will be set up to further discuss the application of the modeling results to the EE/CA.

618-11 Burial Ground Expedited Response Action - The principal investigator for PNL indicated there were plenty of containers sent to the burial ground that are not in the volume record data received from WHC.

Field survey with the USRADS has been initiated.

Sodium Dichromate Expedited Response Action - Sodium Dichromate ERA project may be delayed due to the lack of an Action Memorandum from the regulators. March 1, 1993, is being set as tentative cleanup start date. Plant Forces Review and the Hazardous Waste Operations Permit have been initiated.

Riverland Expedited Response Action - Riverland characterization sampling radiation data is due February 8, 1993. The Riverland EE/CA is on hold until the regulators meet to discuss the characterization sample data. This issue may be settled at the next weekly regulator meeting.

Mr. C. R. Pasternak (RL) has been contacted about a cattle herd (about 100 head) grazing at the Riverland Railroad site.

White Bluffs Pickling Acid Crib Expedited Response Action - Characterization data for some of the samples has arrived from the laboratory. This data will be sent for validation.

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200 West Carbon Tetrachloride Expedited Response Action -

ERA Operations

The installation of the process control system is complete. 24-hour operations began February 3, 1993.

The Fiscal Year (FY) 93 Wellfield Enhancement Workplan for the Carbon Tetrachloride ERA, WHC-SD-EN-AP-114, Rev. 0, by R. J. Cameron (Ebasco) and V. J. Rohay (WHC) was released on February 1, 1993.

GAC Release and Regeneration - The letter requesting a waiver for shipping the saturated granular activated carbon (GAC) canisters off-site for regeneration was submitted to RL on January 27, 1993. Comments are currently being received from RL and the letter is being edited prior to submittal to DOE-HQ.

Characterization of 216-Z-9 Operations - Stabilization of the Z-9 operations area was completed last week and most of the equipment, which includes the two support trailers, generator and propane tank, and the water separators, have been placed according to the site map developed by the Field Team Leader. Procurement of additional equipment needed to begin operations is still ongoing, and includes material for connecting the fuel line from the propane tank to the generator, the back-up vacuum blower frame and motor starter, and material for continuous air monitor (CAM) and instrument installation. Crafts have been identified and work packages are being prepared to initiate these work items as soon as the materials are delivered, which is anticipated to be the week starting February 15, 1993.

The order for the blower receptacle for the leased unit at 216-Z-9 has been placed and is scheduled to be received by February 15, 1993. Upon receipt of the part, fabrication of the blower will be completed. This activity has also become a critical path item for start-up of the unit at 216-Z-9. Fabrication of the unit is anticipated to be completed by February 19, 1993. Following fabrication, installation of the blower to the leased trailers and connection of power to blower is the last item needed prior to start-up.

Well Field Design

Drilling began February 3, 1993, on the first of five vapor extraction wells to enhance the existing wellfield. Well 299-W15-218 is being drilled on the north side of the 216-Z-9 Trench. The Waste Control Plan was signed on February 2, 1993, by RL and EPA.

Baseline Monitoring

On January 22, 1993, during a period of moderate pressure (29.2 in Hg) no s were detectable in wellheads, and only the deeper soil gas probe (SG 15-6) had detectable s (3991 ppm). On January 26, 1993, with slightly higher pressure (29.3 in Hg) there were some wellhead detections of s. s were detectable in the upper interval of all multi-screened wells and in many 216-Z-9 area wells. On January 29, 1993, during a period of high pressure (29.6 in Hg) only two stations (a soil-gas probe and a well at 216-Z-12) had detectable s. On February 2, 1993, with pressure at 29.6 in Hg, the same well at 216-Z-12, three soil gas probes at 216-Z-9 and one well at 216-Z-18 had detectables.

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Eighteen new wells and seven soil-gas points have been added to the baseline monitoring network. The soil-gas points are in the 216-Z-9 area and most of the wells are near the T tank farms area. Some of the new stations are in underground radioactive zones. Discussions have begun with health physics to write a routine radiation work procedure to cover monitoring in these zones.

Source Term Characterization

Evaluation of Effluent Pipelines: On February 2, 1993, the in-pipe camera was pushed approximately 300 feet into line 840, which connected the Recuplex facility with the 216-Z-9 Trench. The pipeline inspection of lines 840 and 840D may be completed as early as February 5, 1993. The video is being reviewed by staff from Engineering Surveillance & Testing, the ERA, and a corrosion engineer. The decision on whether to proceed with inspection of the Z-1A and Z-18 lines will be based on the results of the Z-9 inspection.

Existing Well Evaluations

Well 299-W15-6 has been cleaned out to 360 ft depth. A piece of concrete which was blocking the well has been removed.

New Well Investigations:

Crib Boreholes - Deepening of 299-W18-96 within 216-Z-18 is scheduled to begin February 4, 1993. Deepening of 299-W18-174 within 216-Z-1A is scheduled to begin March 15, 1993. These wells will be converted to extraction wells.

Stabilization of the 216-Z-1A Tile Field began February 3, 1993.

CCL₄ in Groundwater

Work on the ERA Project Plan (WHC-SD-EN-AP-117 Rev. 0) is continuing. A draft for internal review is scheduled to be completed by March 1, 1993.

A meeting has been scheduled to discuss UVB groundwater circulation well design with IEG Technologies Corp. (U.S. Vendors of UVB). The IEG Technologies Corporation have indicated that they will work with WHC in designing the UVB groundwater circulation well system for the ERA treatability test.

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Samples from Homestead by Riverland Rail Wash Pits splits

The following data is unvalidated.

<u>Contaminant</u>		<i>Munitions</i>		<i>Pesticide container site</i>	
		<u>H92077</u>	<u>Q</u>	<u>H92078</u>	<u>Q</u>
Aldrin	ug/Kg	2.6	P	27000*	D
Dieldrin	ug/Kg	--		38000*	D
Endrin Ketone	ug/Kg	--		3500	D
Chloride	mg/Kg	0.2 (at MDL)		0.6	
Fluoride	mg/Kg	0.2 (at MDL)		--	
% Total Solids	%	95		93	
Aluminum	mg/Kg	11000		6290	
Arsenic	mg/Kg	11.0	SN	7.2	SN
Barium	mg/Kg	155		101	
Beryllium	mg/Kg	0.60	B	0.34	B
Calcium	mg/Kg	19300		10800	
Chromium	mg/Kg	16.1		9.8	
Cobalt	mg/Kg	11.3		9.0	B
Copper	mg/Kg	24.0		14.0	
Iron	mg/Kg	20700		14100	
Lead	mg/Kg	16.1		15.7	
Magnesium	mg/Kg	8870		4760	
Manganese	mg/Kg	589		381	
Nickel	mg/Kg	13.3		9.6	
Potassium	mg/Kg	2250		1810	
Sodium	mg/Kg	470	B	77.1	B
Thallium	mg/Kg	---		1.6	B
Vanadium	mg/Kg	33.2		25.5	
Zinc	mg/Kg	57.8		38.8	

Analysis did not detect any CLP Volatiles, CLP Semivolatiles, Chlorinated Herbicides, Nitrite, Nitrate, Phosphate, TPH - gas, or TPH - diesel above the method detection levels (MDLs).

* Also detected on Semivolatile Organics Analysis

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