

## MEETING MINUTES

Subject: Expedited Response Action Weekly Interface

TO: Distribution

BUILDING: 740 Stevens Center

FROM: W. L. Johnson

CHAIRMAN: G. C. Henckel

Dept-Operation-Component	Area	Shift	Meeting Dates	Number Attending
Environmental Engineering	RCHN	Day	August 23, 1993	10

### Distribution

#### State of Washington Department of Ecology

J. Donnelly  
 G. Freedman\*  
 L. Goldstein  
 D. Goswami  
 R. L. Hibbard  
 D. Holland  
 J. Phillips  
 P. Staats\*  
 D. D. Teel  
 N. Uziemblo  
 J. Yokel  
 T. Wooley\*

#### U.S. Army Corps of Engineers

Walter Perro\* A3-61  
 T. R. Parkhill\* B5-24  
 J. A. Gardner-Clayson\*  
 A5-20

#### U.S. Department of Energy

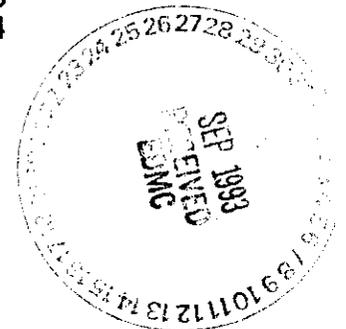
H. L. Chapman A5-19  
 J. K. Erickson A5-19  
 B. L. Foley\* A5-19  
 G. I. Goldberg\* A5-19  
 E. D. Goller A5-19  
 R. G. McLeod A5-19  
 P. M. Pak A5-19  
 R. K. Stewart A5-19

#### U.S. Environmental Protection Agency

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

#### Westinghouse Hanford Company

M. L. Adams H6-01  
 L. D. Arnold B2-35  
 M. V. Berriochoa B3-30  
 H. D. Downey H6-27  
 W. F. Heine B3-63  
 G. C. Henckel\* H6-04  
 W. L. Johnson H6-04  
 J. K. Patterson H6-27  
 T. M. Wintczak H6-27  
 EPIC H6-08  
 ERAG Route H6-04  
 GCH File



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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 Operations Office, the U.S. Environmental Protection Agency, and the State of Washington Department of Ecology. The meeting was conducted in accordance with the attached agenda. The Regulatory Agency representatives discussed the time needed to review EPA proposals (TPA primary documents).

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Distribution  
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Attachments:

1. Agenda
2. Action Item List
3. Decisions, Agreements & Commitments
4. Expedited Response Action Weekly Reports, week ending 08/20/93

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## WEEKLY ERA INTERFACE AGENDA

SUBJECT: STATUS OF THE EXPEDITED RESPONSE ACTIONS

DATE: August 23, 1993

- GENERAL ISSUES
  - ERA Interface Action Item Review
- INDIVIDUAL PROJECT STATUS
  - Riverland
    - o Status of field activities
  - Sodium Dichromate
    - o Draft assessment report in clearance
  - Pickling Acid Crib
    - o Public comment
  - N-Springs
    - o Proposal status
  - North Slope
    - o Proposal status
  - 200-W Carbon Tetrachloride
    - o Restart status
  - 618-11
    - o Proposal status
- OTHER ISSUES
- SUMMARY OF ACTION ITEMS
- SIGN-OFF ON ANY DECISIONS, AGREEMENTS, OR COMMITMENTS

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EXPEDITED RESPONSE ACTION INTERFACE MEETING

-ACTION ITEMS-  
August 23, 1993

ORGANIZATION

ACTION ITEM

WHC

Provide copy summary analysis report and ten-day report. (open)

Ecology

Provide information related to the Vernita Bridge Rest Area posting of water as contaminated. (open)

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EXPEDITED RESPONSE ACTION INTERFACE MEETING

-DECISIONS, AGREEMENTS, & COMMITMENTS-  
August 23, 1993

DECISIONS:

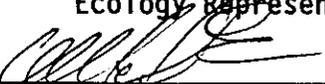
AGREEMENTS: No significant Action/Items

COMMITMENTS:

\_\_\_\_\_  
RL Representative

\_\_\_\_\_  
EPA Representative

\_\_\_\_\_  
Ecology Representative

  
\_\_\_\_\_  
WHC Representative

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Weekly Report, Period Ending August 20, 1993  
EXPEDITED RESPONSE ACTIONS  
Technical and Management Contact - Wayne L. Johnson, 376-1721  
Environmental Division

North Slope Expedited Response Action - Incorporating comments from RL and regulatory agencies as dispositioned. The ecological survey of the remediation areas has been completed.

N-Springs Expedited Response Action - Awaiting comments on the ERA proposal from EPA and Ecology.

100/200 Area Groundwater Treatability Testing - Refurbishing activities for the Met-Pro Unit are 95% complete. Once complete, the unit will be transported to "Pit 6" for systems testing. Refurbishing activities on the Physical/Chemical treatment unit (The Blue Magoo) are scheduled. The unit has been moved to the 306 East Building in the 300 area.

White Bluffs Pickling Acid Crib Expedited Response Action - Document completed public review August 9, 1993, waiting for action from the regulators.

618-11 Burial Ground Expedited Response Action - RL and DOE-HQ comments were reviewed by WHC and reflected in modifications to the working draft.

Riverland Expedited Response Action - The toxicity characteristic leaching procedure data has been supplied for waste designation purposes. This is required so that hauling trucks can be scheduled to haul the diesel contaminated concrete and soil to Arlington.

A brief letter/report summarizing field-screening results was issued this past week. The field-screening samples were collected to characterize concrete and sub-surface soil samples collected around the 6718 Maintenance Building. The samples were screened for volatile organic compounds using aqueous headspace analysis.

Sodium Dichromate Expedited Response Action - Continuing to revise the final assessment report.

200 West Area Carbon Tetrachloride Expedited Response Action

A. Vapor Extraction System (VES) Operations

**Status of Operations:** All three vapor extraction systems at the 200 West Area carbon tetrachloride ERA have been shut down as a result of the overheating of the primary granular activated carbon (GAC) canister at the 1500 cfm unit that occurred on June 3, 1993. The systems have been locked and tagged to prevent extraction operations until the approval to proceed is received through the restart process.

Contingent upon completion of activities identified in the readiness checklist, restart of the 1,000 cfm VES at the Z-1A/Z-18 ERA site is scheduled to begin by August 31, 1993. Restart of operations at Z-9 is anticipated by the end of September.

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A draft safety assessment was completed August 12, 1993, that adds a third operational safety limit to control heat buildup in a GAC canister due to heat of adsorption. The document is being reviewed this week and is expected to be released by August 27, 1993.

Revision to WHC-SD-EN-TI-010, the design, operation, and monitoring document, is on schedule for release by August 27, 1993.

A pilot scale GAC adsorption test was conducted by ERA project team at Washington State University laboratory. Temperatures within a 6 ft deep pilot scale GAC bed were monitored at various carbon tetrachloride concentrations and flow rates. Preliminary analysis of the data indicates that at 1000 ppm carbon tetrachloride and 500 cfm-equivalent flow, the temperature increase was a maximum of 3 degrees C. Tests using 1000 ppm carbon tetrachloride and 200 ppm MEK under the same conditions also caused only a 3-degree C temperature rise. Additional tests were conducted at concentrations up to 30,000 ppm CCl<sub>4</sub>.

Thermocouples are being installed to monitor the GAC inlet and outlet temperatures at the 1000 cfm system at the Z-1A/Z-18 site. The process controller is being re-programmed to address the new safety requirements.

The preliminary copy of the Evaluation of Carbon Tetrachloride Condensing Alternatives was provided to the ERA team on August 17, 1993, and is being reviewed.

**Site Cleanup:** Cleanup of the Z-1A/Z-18 and Z-9 ERA sites began Monday, August 9, 1993, utilizing project team members and a crew from KEH. All Letters of Instruction have been transmitted to KEH. Construction of the fenced laydown areas is expected to begin September 6, 1993.

## B. Well Field Design

### Baseline Monitoring

Baseline monitoring continues with low barometric pressure (29.0 in. of Hg) on August 13, 1993, yielding many VOC detections. There were 18 well head detections with the highest being 57 ppm at 299-W15-218. Sixteen soil-gas probes had detectable VOCs with the high of 24 ppm at SG 94-04.

Baseline monitoring on August 17, 1993, during a period of high barometric pressure (29.2 in. of Hg) yielded few VOC detections. There were three well head detections with the highest being 37 ppm at 299-W18-246. Three soil-gas probes had detectable VOCs with the high of 23 ppm at SG 94-04.

### Wellfield Design

Drilling of vapor extraction well 299-W15-220 east of 216-Z-9 began June 2, 1993 and reached total depth July 21, 1993. Completion of this well began August 9, 1993. Well completion is expected to be finished by August 25, 1993.

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Sonic drilling at the carbon tetrachloride site is now scheduled to begin late August/early September at the angled vapor extraction well, 299-W15-223, under the parking lot north of the 216-Z-9 trench. Temperature measurements are being collected from various sizes and types of samplers during sonic drilling at the drilling test site. Suggestions are being made regarding types of samplers to be employed to collect the different types of samples.

A small building has been located for use by WSU personnel for operating their gas chromatograph and other equipment during the tracer gas testing. The specialty gases (helium, nitrogen, and air) have been ordered per their request.

A small radial flow canister for the passive wellhead monitoring systems has been designed; efforts are underway to have it fabricated by the end of the month.

### C. Site Characterization (with VOC-Arid ID)

#### Soil Gas Surveys

Water levels were measured continuously in two wells (299-W15-4 and 299-W15-6) during the EMFLUX testing period. Preliminary review of the data suggest that the water levels varied by as much as 0.5 ft, apparently in response to barometric pressure changes. Analysis of the signals has not yet been conducted.

#### Groundwater Sampling

Vertical profiling of groundwater in well 299-W15-6 will be conducted September 10, 1993. This profiling will be conducted in accordance with WHC-SD-EN-AP-129, which describes the vertical profiling to be conducted for the 200-UP-1 groundwater operable unit. The perforated interval in 299-W15-6 extends approximately 170 ft below the water table, nearly to the lower mud unit in the Ringold Formation.

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