

## 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 30, 1993	10

### Distribution

#### State of Washington Department of Ecology

J. Donnelly  
 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

W. D. Perro\*      A3-61  
 M. D. Mahoney\*    A5-19

#### U.S. Department of Energy

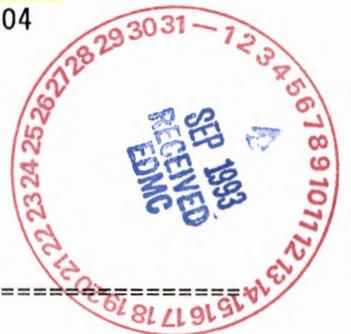
H. L. Chapman      A5-19  
 J. K. Erickson      A5-19  
 B. L. Foley\*        A5-19  
 G. I. Goldberg\*    A5-19  
 E. D. Goller        A5-19  
 R. G. McLeod        A5-19  
 P. M. Pak            A5-19  
 R. K. Stewart        A5-19

#### U.S. Environmental Protection Agency

P. R. Beaver        B5-01  
 D. R. Einan  
 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



### ===== \*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 representatives from the regulatory agencies expressed concern with the wording in the CCL<sub>4</sub> off normal occurrence final report. The regulators also inquired about the report being placed in the Administrative

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Record. An additional concern was expressed concerning potential expenditures for a condenser for the CCL<sub>4</sub> vapor extraction system. The issue on holding a public meeting on the North Slope ERA was discussed at some length, with no specific resolution at this time. The EPA requested that the agenda be eliminated from the weekly meetings as the weekly report could be used in lieu of the agenda.

Attachments:

1. Agenda
2. Action Item List
3. Decisions, Agreements & Commitments
4. Expedited Response Action Weekly Reports, week ending 08/27/93

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## WEEKLY ERA INTERFACE AGENDA

SUBJECT: STATUS OF THE EXPEDITED RESPONSE ACTIONS

DATE: August 30, 1993

- GENERAL ISSUES
  - ERA Interface Action Item Review
- INDIVIDUAL PROJECT STATUS
  - Riverland
    - o Status of field activities
  - Sodium Dichromate
    - o Assessment report
  - Pickling Acid Crib
    - o Status of 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 30, 1993

ORGANIZATION

ACTION ITEM

WHC

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

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 30, 1993**

DECISIONS:

AGREEMENTS:

*No significant items*

COMMITMENTS:

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

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

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

*Carlton [Signature]* 8/30/93  
\_\_\_\_\_  
WRC 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 (SAD)

**Status of Operations:** The vapor extraction systems at the 200 West Area carbon tetrachloride ERA remain 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.

Contingent upon completion of activities identified in the readiness checklist, restart of one 500 cfm train on the 1,000 cfm VES at the Z-1A/Z-18 ERA site is scheduled to begin by September 3, 1993. Restart

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of the second train on the 1000 cfm system will follow shortly thereafter (awaiting procurement/installation of additional thermocouples). Restart of operations at Z-9 is anticipated by the end of September.

The design document of the 200 West Area Vapor Extraction Systems, WHC-SC-EN-TI-010, Rev. 2, was routed for review on August 25, 1993. The document has been extensively revised to address new safe operating limits. The scope of the document has also been revised to address operation of all soil vapor extraction systems located in the 200 West Area.

Operating procedures for the 1,000 cfm vapor extraction system at the 216-Z-1A title field are being developed. These procedures will address appropriate conduct of operations for the system. An emergency response guide is being developed to direct operating personnel to the appropriate response actions during site emergencies.

The pilot scale GAC adsorption test at WSU was completed. Initial results indicate that adsorption of a 1000 ppm carbon tetrachloride air stream results in a GAC temperature rise of 3 oC while a 10,000 ppm carbon tetrachloride air stream results in a 30 oC temperature rise.

A report on the thermogravimetric analysis of GAC and carbon tetrachloride was completed August 8, 1993. Significant conclusions from the testing include:

- significant oxidation of virgin GAC starts at 250 oC (480 oF);
- the presence of adsorbed carbon tetrachloride appears to increase the temperature at which GAC oxidation occurs;
- there are indications that an unknown exothermic reaction begins at 150 oC (300 oF) when carbon tetrachloride is present;
- carbon tetrachloride heat of adsorption decreases as GAC saturation increases.

A report reviewing results of soil gas samples from well 299-W15-82 and GAC canister organic analyses performed by HEHF was completed on August 23, 1993. The results indicated that the second sample taken from well W15-82 (2000+ ppmv of carbon tetrachloride) also contained hydrochloric and acetic acids in the low ppb range. The potential source for these acids is unclear. As expected, the samples from the GAC canisters contained primarily carbon tetrachloride with trace quantities (ppb) of various hydrocarbons and chlorinated VOCs.

Sonic drilling at the carbon tetrachloride site is now scheduled to begin September 13 at the angled vapor extraction well, 299-W15-223, under the parking lot north of the 216-Z-9 trench.

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