

START

0030398

MEETING MINUTES

Subject: Expedited Response Action Weekly Interface

TO: Distribution

BUILDING: 740 Stevens Center

FROM: W. L. Johnson

CHAIRMAN: G. C. Henckel
GC

Dept-Operation-Component	Area	Shift	Meeting Dates	Number Attending
Environmental Engineering	RCHN	Day	August 16, 1993	10

Distribution

State of Washington Department of Ecology

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

U.S. Army Corps of Engineers

Walter Perro* A3-61

U.S. Department of Energy

H. L. Chapman A5-19
 J. K. Erickson A5-19
 B. L. Foley A5-19
 D. Olson*
 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

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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. RL provided copies of WHC-SD-EN-TI-124, Ground-Penetrating Radar Investigation for North Slope ERA, H-83-C to the regulators.



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Attachments:

1. Agenda
2. Action Item List
3. Decisions, Agreements & Commitments
4. Expedited Response Action Weekly Reports, week ending 08/13/93
5. 216-Z1A/Z18 Vapor Extraction Operations Restart Readiness Activities

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WEEKLY ERA INTERFACE AGENDA

SUBJECT: STATUS OF THE EXPEDITED RESPONSE ACTIONS

DATE: August 16, 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 ERA proposal status
 - 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 16, 1993

ORGANIZATION

ACTION ITEM

WHC

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

RL

Provide a briefing on N-Springs. (*closed*)

RL

Clarify North Slope document distribution. Ecology is receiving telephone calls and written comments prior to public review. (*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 16, 1993**

DECISIONS:

AGREEMENTS:

No SIGNIFICANT ISSUES

COMMITMENTS:

RL Representative

EPA Representative

Ecology Representative

[Signature]

WRC Representative

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Weekly Report, Period Ending August 13, 1993
EXPEDITED RESPONSE ACTIONS
Technical and Management Contact - Wayne L. Johnson, 376-1721
Environmental Division

North Slope Expedited Response Action - Regulatory and DOE comments on the ERA Proposal continue to be dispositioned. Cultural clearance has been obtained to perform cleanup activities at all but five of the sites identified for remediation.

N-Springs Expedited Response Action - The ERA Proposal was provided to RL.

White Bluffs Pickling Acid Crib Expedited Response Action - Waiting for additional comments from regulators from public review.

618-11 Burial Ground Expedited Response Action - The proposal was provided to RL.

Sodium Dichromate Expedited Response Action - Working to complete the final assessment report.

Riverland Expedited Response Action - The TCLP data has arrived, the only contaminant identified was diesel. To date we have recovered two 55-gallon drums with crushed pesticide containers, twenty-five 55-gallon drums of pesticide contaminated soil, and removed twenty-two dump truck loads of debris.

200 West Area Carbon Tetrachloride Expedited Response Action

A. CCl₄ ERA - A. Vapor Extraction System (VES) Operations

Status of Operations: The three vapor extraction systems 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. The systems are 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 tentatively scheduled to begin by August 31, 1993. Restart of operations at Z-9 is anticipated by the end of September.

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 Final Occurrence Report is on schedule for completion by August 13, 1993.

Revision to WHC-SD-EN-TI-010, the design, operation, and monitoring document, is on schedule for release the week of August 23, 1993.

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A pilot scale GAC adsorption test is being conducted by ERA project team at Washington State University laboratory this week. The test will monitor temperatures and concentrations in a 4-5 ft GAC bed during carbon tetrachloride adsorption.

B. Well Field Design

Baseline Monitoring

Low barometric pressure (29.0 in. of Hg) on 8/6 yielded many VOC detections. There were 33 wellhead detections of VOCs with the high being 320 ppm at 299-W15-217. Eight soil-gas probes had VOC detections with the high being 40 ppm at SG 94-02.

On August 10, 1993, with barometric pressure at 29.1 in. of Hg there were few VOC detections. There were three wellhead detections with the high 72 ppm at 299-W15-84. Nine soil-gas probes had VOC detections with the high being 3.8 ppm.

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.

Drilling of vapor extraction well 299-W18-252, midway between 216-Z-1A and 216-Z-12, began May 3, 1993. Completion began on July 20, 1993, and was finished August 6, 1993. The completed well has two screened intervals.

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.

A draft of the wellfield evaluation report was completed August 10, 1993.

C. Site Characterization (with VOC-Arid ID)

Source Term Characterization

The final report on the video camera inspection of the effluent pipelines to Z-9 is expected to be released the week of August 16, 1993.

Soil Gas Surveys

Passive soil gas sampling using Quadrel Service's EMFLUX technology began July 21, 1993. Retrieval of the second group of sample collectors was completed on July 31, 1993, and shipped to Quadrel on August 3, 1993. The first group of sample analytical data has been received from Quadrel; the second data set should be received by August 27, 1993.

216-Z1A/Z18 VAPOR EXTRACTION OPERATIONS RESTART
READINESS ACTIVITIES
July 30, 1993

- 9313025.0475
- WORKING COPY**
- Restart Justification Letter MC Hagood_____
 - WHC Management Briefing MC Hagood_____
 - DOE Briefing MC Hagood_____
 - Revise Design, Operation, and Monitoring Document (root cause analysis report - procedure consideration) SA Driggers_____
 - WHC-SD-EN-TI-010
 - heat of adsorption in GAC
 - design controls (temperature and concentration limits)
 - implementation of field operating procedures
 - ensure proper technical review
 - Revise Safety Assessment Document RR Lehrschall_____
 - (root cause analysis report - safety consideration)
 - WHC-SD-EN-SAD-004
 - hazard of heat of adsorption in GAC
 - use of thermocouples
 - limit of CC14 inlet concentrations
 - ensure proper technical review
 - Revise HWOP BJ Tuttle_____
 - hazards of GAC overheating incident
 - Develop Field Operating Procedures SA Driggers_____
 - (root cause analysis report - procedure consideration)
 - operation of 216-Z1A/Z18 vapor extraction system
 - emergency shutdown procedure for overheated GAC
 - ensure procedures in agreement with SD documents
 - Radiation Work Permits SJ Gale_____
 - NEPA Documentation SJ Gale_____
 - Cultural Resources Review SJ Gale_____
 - Environmental Protection SJ Gale_____
 - Regulatory Documentation SJ Gale_____
 - notifications to DOH
 - Verify training records SJ Gale_____
 - "Classroom" Training Session for Project Team VJ Rohay_____
 - (root cause report - training consideration)
 - roles and responsibilities

- vapor extraction process knowledge
- GAC adsorption process
- changes to operating documents

- Install Primary GAC Thermocouples at Inlets and Outlets. JN Fisler _____
(root cause report - design consideration)
 - procure thermocouples
 - fabricate and install spoolpiece GAC connection
 - connect thermocouples to process controller
 - program process controller for 20 degree delta alarm
 - perform functional testing

- Install Cooling Fans SJ Gale _____
 - fabricate mounting bases
 - fabricate stand for electrical box
 - fabricate guards for cooling fans
 - assemble

- Site Preparation SJ Gale _____
 - control zones established
 - exclusion zones roped and posted
 - radiation zones roped and posted
 - waste control plan
 - designated waste accumulation area
 - PPE supplies
 - portable toilet
 - wash water, soap, towels
 - portable radio
 - respiratory equipment
 - spill control equipment
 - potable water
 - emergency equipment (fire extinguisher, first aid kit)
 - emergency numbers posted in trailer
 - fire plan filed with fire department
 - MSDSs on site
 - field logbook
 - ambient air monitoring
 - supporting documents, procedures, HWOP, RWPs on site

- Wellfield Preparation VJ Rohay _____
 - extraction wells identified and connected

- Safety Assessment Prudent Actions SJ Gale _____
 - monitor for ccl4
 - monitor for radioactive particles
 - monitor for radon
 - survey program (radon)
 - site cleanup
 - generator location
 - replace in-line heaters
 - capping of canister ports
 - establish safety equipment list
 - notify fire department

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COPY**

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- training requirements for drivers
- exclusion zone
- personnel exposure to heaters
- spill containment for carbon
- inventory control of liquid ccl4
- emergency notification

- Site House Cleaning
- ALARA Checklist
- Pre-job Safety Meeting

SA Driggers_____

SJ Gale_____

BJ Tuttle_____

APPROVALS: Print/Sign Name and Date

V. J. Rohay, Project Manager

M. C. Hagood, Manager, 200 Areas Remediation

W. L. Johnson, Manager, Environmental Remedial Action

M. R. Adams, Environmental Restoration Engineering

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