START

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	March 22, 1993	14

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
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

University of California/San Diego
J. F. Asmus*

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
D. J. Flesher* L4-73
W. F. Heine B2-35
G. C. Henckel* H6-04
W. L. Johnson* H6-04
J. K. Patterson* H6-27
R. J. Puigh* L5-60
D. L. Sickle* H6-27
P. J. Valcich* H6-04
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, the U.S. Environmental Protection Agency, and the State of Washington Department of Ecology. The meeting was conducted in accordance with the attached agenda. Mr. Dann Flesher, WHC provided a brief presentation on the potential application of flash and laser technology for the Riverland ERA. A brief presentation on an in-situ stabilization technology considered in the N-Springs ERA Engineering Evaluation/Cost Analysis was given to attendees. The asbestos issue at the Sodium Dichromate ERA was briefly discussed. An

agreement (Attachment 3) to allow clearing of a concrete pad at the Riverland site for evaluation of field screening technology was approve. EPA indicated that the ATSDR wants to be more involved with the ERAs. 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 03/21/93

WEEKLY ERA INTERFACE AGENDA

SUBJECT: STATUS OF THE EXPEDITED RESPONSE ACTIONS

DATE: March 22, 1993

- GENERAL ISSUES
  - ERA Interface Action Item review
- INDIVIDUAL PROJECT STATUS
  - Riverland
    - o Technology presentation
    - o EE/CA parallel review
  - Sodium Dichromate
    - o Work stopped/asbestos
  - Pickling Acid Crib
    - o EE/CA - no action potential
  - N-Springs
    - o Potential technology - Insitu vertical barrier
  - North Slope
    - o RL position on landfills in EE/CA
  - 200-W Carbon Tetrachloride
  - 618-11
- OTHER ISSUE
- SUMMARY OF ACTION ITEMS
- SIGN-OFF ON ANY DECISIONS, AGREEMENTS, OR COMMITMENTS

EXPEDITED RESPONSE ACTION INTERFACE MEETING

-ACTION ITEMS-
March 22, 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. (open)
EPA/Ecology	EPA and Ecology will examine available data for radiation background as it pertains to ERAs. (open)

EXPEDITED RESPONSE ACTION INTERFACE MEETING

-DECISIONS, AGREEMENTS, & COMMITMENTS-
March 22, 1993

DECISIONS:

AGREEMENTS: DOE/WHC may proceed to clear the concrete pad at the Richland Site to evaluate field screening techniques

COMMITMENTS:

Paul M. Mark 3-22-93
DOE Representative

3-22-93
EPA Representative

3/21/93
ECOLOGY Representative

3/22/93
WHC Representative

Weekly Report, Week Ending March 22, 1993
EXPEDITED RESPONSE ACTIONS
Technical and Management Contact - Wayne L. Johnson, 376-1721
Environmental Division

Sodium Dichromate Expedited Response Action - The removal activity was initiated on Wednesday March 17, 1993.

North Slope Expedited Response Action - Preparation of the ERA Proposal continues on schedule. Data continues to arrive from the analytical labs. Initial review of the data indicates no elevated levels of contaminants. Awaiting response from the Army Corp of Engineers concerning appropriate ordinance survey techniques necessary for releasing the North Slope area.

N-Springs Expedited Response Action - The ERA proposal has been drafted and distributed for internal WHC review. The NEPA categorical exclusion (discussing the impacts of implementing the preferred alternative described in the proposal) has been drafted and is also undergoing WHC review. A Davis Bacon review is being prepared for the preferred alternative.

618-11 Burial Ground Expedited Response Action - The historical characterization report is progressing slowly but the draft should be completed by the end of March.

Riverland Expedited Response Action - The EE/CA is being revised and should be completed by the end of March.

White Bluffs Pickling Acid Crib Expedited Response Action - A review of groundwater data concluded that the TCE detected in 100-F Area wells was most likely not originating from the pickling cribs.

200 West Area Carbon Tetrachloride Expedited Response Action -

1. CCL_4 ERA

   A. VES Operations

   Z-A & Z-18 VES Operations - 24 hour operations at the Z-1A site continued at full capacity this past week.

   Leased 500 cfm Vapor Extraction System (VES) - The leased diesel generator arrived on site and was delivered to the Z-9 operations area on Thursday, March 11, 1993. The system was powered up on Friday and the motor and blower were checked for proper rotation. The rotation of the motor was backwards and the problem was fixed. Additional problems that were discovered included a factory defective breaker and malfunctioning data logger. Efforts were focused during the latter part of the week to correct these problems. Operations with the leased unit are expected to begin on Friday, March 19, 1993.

   1500 cfm Unit at 216-Z-9 - The unit was delivered to Hanford on March 8, 1993. Fleet Management completed their inspection and the system was delivered to the 216-Z-9 site on March 13, 1993. Temporary power was connected to the system on March 14, 1993.

During receiving of the system, a QA inspection resulted in two noncompliance findings:

- a source inspection was not performed as required at the seller's shop
- excessive weight on the front of the vacuum blower trailer has damaged the landing gear.

These findings are currently being dispositioned in a joint effort with Environmental Quality Assurance (EQA).

The design/construct contractor (Barnebey and Sutcliffe) is on-site preparing the system for operation and performing system checks. The schedule for their visit includes:

- the Acceptance Test Procedure (ATP) (performed by Barnebey and Sutcliffe) for the system is scheduled to be completed by March 19, 1993.
- the Operational Test Procedure (OTP) (performed by Westinghouse Hanford) will be performed the week of March 22, 1993. The OTP is currently being formalized in the Westinghouse Document Control System.

Several walk-through inspections have been performed by Westinghouse Hanford Safety to verify that the system is operationally safe. As a result, several safety items have been identified that may need to be resolved prior to system start-up. These items are currently being documented and will be discussed with the prime contractor.

A meeting has been scheduled with Westinghouse Procurement on March 22, 1993, to discuss resolution of nonacceptable items that originate from the ATP, the QA inspection, and the Safety inspection. Until resolution of these items, WHC cannot formally accept the system.

216-Z-1A Upgrade to 1000 cfm - The 200 East Area pipe fabrication shop is making excellent progress on the fabrications required for the upgrade. The items are scheduled to be completed and delivered to the site by Friday, March 19, 1993. Work will begin immediately to tie the extra 500 cfm portion of the upgrade into the existing system.

Operational Date	Source	Amount of CCl_4 Removed (lb)	Average CCl_4 Conc. (ppm)	Total Operational Time (hr)	Average Flowrate (SCFM)
2/08 - 2/11	216-Z-1A	98	200	46.15	450
2/16 - 2/23	216-Z-1A	284	300	88.27	330
2/24 - 3/2	216-Z-1A	181	320	77.12	300
3/3 - 3/9	" "	203	250	123.08	430
3/10 - 3/16	" "	322	370	133.25	450
Totals 1993		1088	290	344.77	390
Total pre-1993		2111.4			

B. 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, being drilled on the north side of the 216-Z-9 Trench, was at 191 ft depth on March 16, 1993.

The locations for the next set of vapor extraction wells have been staked. Wells 299-W15-219 and W15-220 are planned for the 216-Z-9 area; well 299-W18-252 is planned for the 216-Z-1A/216-Z-18 area. Preparations are under way to drill at least two of these wells using a cable tool rig.

C. Site Characterization (with VOC-Arid ID)

Source Term Characterization - Engineering Surveillance and Testing (ES&T) staff is pursuing analysis of the sludge sample removed from line 840. ES&T is preparing their final report on this task (75% complete).

Data Evaluation - The final draft of the conceptual model report has been reviewed and is undergoing final editing this week. The document will be provided in time to meet the milestone transmittal to DOE. The report is entitled "Refined Conceptual Model for the Volatile Organic Compounds - Arid Integrated Demonstration and 200 West Carbon Tetrachloride Expedited Response Action", PNL-8597.

2. CCL_4 in Groundwater

Work on the ERA Project Plan (WHC-SD-EN-AP-117 Revision 0) is continuing. Design criteria from IEG (Vendors of the UVB technology) has yet to be received. This continues to hamper completion of the Project Plan.

Design criteria for the Stanford in-well sparging system has been received. These design criteria are currently being reviewed, modified, and incorporated into the in-well sparging test plan.

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