

START

MEETING MINUTES

Subject: Expedited Response Action Weekly Interface

TO: Distribution

BUILDING: 740 Stevens Center

FROM: W. L. Johnson

CHAIRMAN: W. L. Johnson *W.L.J.*

Dept-Operation-Component	Area	Shift	Meeting Dates	Number Attending
Environmental Engineering	RCHN	Day	June 14, 1993	15

Distribution

State of Washington Department of Ecology

J. Donnelly*
 G. Freedman*
 L. Goldstein
 D. Goswami
 R. L. Hibbard
 J. Phillips
 D. D. Teel
 N. Uziemblo
 J. Yokei
 T. Wooley*

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 B3-63
 G. C. Henckel H6-04
 W. L. Johnson* H6-04
 J. K. Patterson* H6-27
 T. M. Wintczak H6-27
 EDMC H6-08
 ERAG Route H6-04
 GCH File

U.S. Army Corps of Engineers

Walter Perro* A3-61

U.S. Department of Energy, Richland Field Office

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

Ebasco

R. Cameron*
 M. Dippre*

*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. Ecology requested RL/WHC establish an action item to identify the date the N-Springs EE/CA would be available for public review. Copies of the White Bluffs Pickling Acid Crib Data Validation Report were provided 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 06/11/93

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WEEKLY ERA INTERFACE AGENDA

SUBJECT: STATUS OF THE EXPEDITED RESPONSE ACTIONS

DATE: June 14, 1993

- GENERAL ISSUES
 - ERA Interface Action Item review
- INDIVIDUAL PROJECT STATUS
 - Riverland
 - o Proposal Status of Public Comments (EPA)
 - Sodium Dichromate
 - o Waste Disposal - No Action Yet
 - Pickling Acid Crib
 - o Developing ERA Proposal
 - N-Springs
 - o Draft Proposal Comments
 - North Slope
 - o Developing Proposal
 - 200-W Carbon Tetrachloride
 - o Operations continuing
 - o Wellfield design
 - o Source term characterization
 - 618-11
 - o Draft EE/CA
- 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-
June 14, 1993**

ORGANIZATION

ACTION ITEM

No Items

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EXPEDITED RESPONSE ACTION INTERFACE MEETING

-DECISIONS, AGREEMENTS, & COMMITMENTS-
June 14, 1993

DECISIONS:

AGREEMENTS:

Nothing of significance.

COMMITMENTS:

RL Representative

EPA Representative

Ecology Representative

WJH _____ *6/14/93*
MHC Representative

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Weekly Report, Period Ending June 11, 1993
EXPEDITED RESPONSE ACTIONS
Technical and Management Contact - Wayne L. Johnson, 376-1721
Environmental Division

North Slope Expedited Response Action - The draft of the ERA Proposal is being processed for concurrent RL, WHC review.

N-Springs Expedited Response Action - RL transmitted formal comments on the ERA proposal and has requested a new revised draft for review.

618-11 Burial Ground Expedited Response Action - Work on the rough draft for the 618-11 ERA Proposal is continuing. The Historical Characterization Report should be available in late July.

White Bluffs Pickling Acid Crib Expedited Response Action - The draft ERA proposal was issued for review. Public review is scheduled for early July.

Riverland Expedited Response Action - The public comment period for the proposal closed on June 9, 1993.

Sodium Dichromate Expedited Response Action - The final assessment report is being drafted. Solid Waste Engineering should dispose of the waste within the 90 day period allowed.

200 West Area Carbon Tetrachloride Expedited Response Action - All Vapor Extraction Systems at the 200 West Area CCl₄ ERA have been shut down as a result of the overheating of the primary granular activated carbon canister at the 1500 cfm unit that occurred on June 3, 1993. Carbon tetrachloride extraction will commence once an incident analysis and corrective actions are approved and implemented. A schedule for restart has been attached.

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WEEKLY CCL ₄ EXTRACTION TABLE					
Operational Date	Extraction System	Amount of CCl ₄ Removed	Conc. Range (high-low) (ppm)	Total Operational Time (hrs)	Flowrate Range (high-low) (scfm)
Week of 6/2 - 6/8	500 cfm*				
	1000 cfm	<1 lb	1.8-329	1.5	7-140
	1500 cfm	318 lb (144 kg)	28,500	2.0	237 avg.
Total 1993		7393 lb (3353 kg)			
Total 1992		2111 lb (958 kg)			
TOTAL		9504 lb (4311 kg)			

* - Data not available at time of reporting.

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June 11, 1993
Sean Driggers for Virginia Rohay

CC14 ERA and VOC-Arid ID

VES OPERATIONS/SITE CHARACTERIZATION/WELLFIELD DESIGN

ACCOMPLISHMENTS:

PROBLEMS: All Vapor Extraction Systems (VES) at the 200 West Area CC14 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 out of operation until the approval to proceed is received through a formal restart process.

INFORMATION:

1. CC14 ERA

A. Vapor Extraction System (VES) Operations (SAD)

A restart strategy has been developed for restarting vapor extraction activities following the overheating of the primary GAC canister at the 1500 cfm unit that occurred on June 3, 1993. The detailed plan with actions, dates of completion, and assignments is found below.

<u>ACTION</u>	<u>DATE</u>	<u>ASSIGNEE</u>
1. OFF NORMAL OCCURRENCE REPORTING		
o 24-hour initial occurrence	6/4/93	Hagood
o 10-day report	6/17/93	Hagood
o Final occurrence reporting	7/15/93	Hagood
2. INCIDENT ANALYSIS		Rohay/Cameron
o gather background information		
- interview lead engineer	6/8/93	John/Dip
- review procurement files	6/8/93	Dippre
- discuss. w/ vendors complete	6/10/93	Dippre
- SRS event	6/10/93	Dippre
- hydrocarbon/ketone charac.	6/9/93	Swett/Gale
- obtain fireman's report	6/8/93	Gale
- provide summary report(a)		
Rev. 0	6/11/93	Dippre
Rev. 1	6/18/93	Dippre
o occurrence cause analysis		
- Heat transfer scenarios	6/16/93	Ebasco
- Safety Analysis	6/16/93	Lehrscha11
- Shutdown analysis	6/16/93	Gale/Tuttle

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- Phosgene analysis 6/16/93 Ebasco
- Core analysis TBD Envirotrol
- Summary Analysis(b) 6/18/93 Dippre
- o PPG and "Root Cause" Analysis Process
 - Assign PPG classification 6/10/93 team
 - Combined "Root Cause" Analysis and USQ resolution(c) TBD
 (incorporates a and b)

3. INTERIM CORRECTIVE ACTIONS AND VES OPERATIONS

Rohay/Cameron

- o Deter. interim corr. actions based on 6/18 analysis (b) 6/21/93 Dippre/Driggers
- o Conduct "JCO" w/ Safety Analysis & Mgmt Driggers
 - deter. basis for justification 6/21/93
 - draft JCO 6/22/93
 - JCO approval 6/23/93
- o System design/eng. mod. (if necessary) 6/24/93** Eng.
- o Rev. to controlling doc. (if nec.) 6/24/93** Eng.
- o Procurement/delivery equip. (if nec.) 6/25/93** Eng./FTLs
- o Equip. Installation (if necessary) 6/26/93** Eng./FTLs
- o Safety Meeting 6/28/93** Tuttle
- o System(s) Startup 6/28/93** Gale

4. FULL CORRECTIVE ACTIONS AND VES OPERATIONS

Rohay/Cameron

- o Corr. Actions Deter. fr/ "root cause" and other Analyses 6/30/93 Diff/Lehr/Eng.
- o System design/eng. mod. 7/05/93 Eng.
- o Revision of controlling documents 7/05/93 Eng./FTLs
 - TI-10 (ECN)
 - Safety Analysis (ECN)
 - HWOP (ECN)
- o Procurement TBD Eng./FTLs
- o Equip. Installation TBD Eng./FTLs
- o Safety Meeting TBD Tuttle
- o Systems Startup TBD Gale

* During the restart process the VES systems will be temporarily operated to perform limited testing of the unit and facilitate waste handling of the impacted GAC canister. During this time there will be no extraction of carbon tetrachloride from the wellfield.

** Schedule assumes acceptance by management and other parties to proceed with certain engineering changes and procurement of VES equipment in parallel with the "incident analysis". Schedule may be impacted due to Safety Analysis results or management direction.

- (a) Will be incorporated into "root cause" analysis process
- (b) Will be incorporated into "root cause" analysis process.

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Will be used for evaluating interim corrective actions for interim operations of VES units.

- (c) Will be used to determine long-term corrective actions and full operations of the VES units.

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