MEETING MINUTES

Subject: Expedited Response Action Weekly Interface

TO: Distribution BUILDING: 450 Hills

FROM: W. L. Johnson CHAIRMAN: W. L. Johnson

Dept-Operation-Component	Area	Shift	Meeting Date	Number Attending
Environmental Engineering	3000	Day	June 29, 1992	10

Distribution:

M. R. Adams	H4-55	P. S. Innis*	B5-01
P. Beaver	B5-01	R. E. Lerch	B2-35
M. V. Berriochoa	B3-30	R. G. McLeod	A5-19
P. T. Day	B5-01	P. M. Pak*	A5-19
H. D. Downey*	L4-92	D. R. Sherwood	B5-01
D. R. Einan	B5-01	R. K. Stewart*	A5-19
J. K. Erickson	A5-19	D. D. Teel*	fax
D. A. Faulk*	B5-01	T. M. Wintczak*	L4-92
L. Gadbois*	B5-01	EDMC	H4-22
D. Goswami	fax	ERAG Route	
L. Goldstein	fax	WLJ File/LB	
W. F. Heine	B2-35		

*Attendees

The weekly interface meeting on the Expedited Response Actions (ERAs) was held to status the ERAs for the U.S. Department of Energy Field Office, Richland and the regulators. The meeting was conducted in accordance with the attached agenda. Actions were formally reviewed and the attached action item list was updated.

All projects were discussed and their status summarized. EPA and Ecology provided approval to remove surface debris and the concrete grease rack on the north slope. A draft copy of the proposed VES weekly data summary report was provided and is attached. There will be no interface meeting next week due to the holiday. Weekly interface meetings will resume on July 13, 1992.

Attachments:
1. Agenda
2. Action Item List
3. Decisions, Agreements & Commitments
4. Expedited Response Action Weekly Report
5. Draft VES Data Summary

WEEKLY ERA INTERFACE AGENDA

SUBJECT: STATUS OF THE EXPEDITED RESPONSE ACTIONS

DATE: June 29, 1992

- GENERAL ISSUES
  - ERA Interface Action Item review
- INDIVIDUAL PROJECT STATUS
  - 618-9 Burial Ground
    - o Waste dispositioning activities
      - Debris being handled, paperwork is in progress
      - Canister issue (procedure being drafted)
  - 316-5 Process Trenches
    - o Final report review, other comments?
  - 200-W Carbon Tetrachloride
    - o Site characterization status
    - o Operations status
    - o Procurement & design activities for next two units
    - o Integrated demonstration activities
  - North Slope
    - o Project plan (SAP) WHC first draft 6/16/92, safety analysis ongoing, NEPA under development
    - o Removal of physical hazards (preparing paperwork)
    - o Grand initiative
  - Sodium Dichromate
    - o Project plan (SAP), safety analysis ongoing, NEPA under development
    - o GPR preps and initial runs
    - o Removal of debris to be initiated July 13, 1992
  - Riverland
    - o CAP and schedule under development
  - Pickling Acid Crib
    - o CAP and schedule under development
- OTHER ISSUES
  - Letter on new ERAs?
  - Subcontract for ER services
- SUMMARY OF ACTION ITEMS
- SIGN-OFF ON ANY DECISIONS, AGREEMENTS, OR COMMITMENTS

EXPEDITED RESPONSE ACTION INTERFACE MEETING

-ACTION ITEMS-
June 29, 1992

ORGANIZATION	ACTION ITEM
WHC	WHC will issue a press release on the 618-9 Burial Ground ERA within 30 days after the decision is made on how the waste will be dispositioned. (open) *Draft is in preparation.*
WHC	WHC/RL will prepare a letter to EPA and Ecology describing the approach to be taken for the gas cylinder. This letter will be provided the week of July 6, 1992. (open) *Draft procedure is in review.*

EXPEDITED RESPONSE ACTION INTERFACE MEETING

-DECISIONS, AGREEMENTS, & COMMITMENTS-
June 29, 1992

COMPLETING PHYSICAL HAZARD REMOVAL ACTIVITIES AT HANFORD'S NORTH SLOPE ERA SITE

The current approach for performing an expedited response action at the North Slope Waste Sites calls for the removal and/or mitigation of physical hazards associated with each of the sites. These hazards include open pits, underground structures, scattered surface debris and open cisterns. Abatement of these hazards is necessary to ensure public safety since many of these areas are open or accessible to the public.

The initial investigations to be performed in attempt to determine the presence of environmental hazards at the sites will require a significant mobilization effort which will include the relocation of support facilities and a backhoe. Rather than remobilizing the same equipment into the area after approval of the ERA Proposal, significant cost and schedule may be gained if the physical hazards are mitigated or removed during the same time period as the site characterization activities. All removal/demolition activities will be documented in the ERA's field logbook.

More specifically, the proposed activities include:

- Removal of surface debris including exposed rebar, communication wire and general trash,
- Removal of a large concrete grease rack from position H-82, the rack will be moved away from its present location prior to demolition (the sediments below the rack will be sampled during implementation of the ERA's characterization phase), and
- Notification to the U.S. Fish and Wildlife Service and Washington Department of Wildlife prior to initiation of ERA activities (They will also have the opportunity to review and comment on the project plan and ERA proposal documents).

The State of Washington Department of Ecology, as lead regulatory agency, is requested to concur with the proposed approach prior to initiation of these activities. In addition, DOE and EPA concurrence is also desired. By concurring below all parties agree with this approach allowing the physical hazards to be corrected.

Dave Teel 6/29/92
ECOLOGY REPRESENTATIVE

6-29-92
EPA REPRESENTATIVE

Robert K. Stewart
DOE-RL REPRESENTATIVE
6/29/92

6/29/92
WHC REPRESENTATIVE

Weekly Report, Week Ending June 26, 1992
EXPEDITED RESPONSE ACTIONS
Technical and Management Contact - Wayne L. Johnson, 376-1721
Environmental Division

618-9 Burial Ground Expedited Response Action - The uranium contaminated solvent was shipped off-site for treatment on June 12, 1992. The remaining waste on-site (contaminated debris, and personal protective equipment) will be disposed of on-site pending completion and approval of required paperwork.

316-5 Process Trench Expedited Response Action - EPA and Ecology have provided informal comments on the Draft A final report. These comments will be incorporated as soon as Ecology and RL provide their comments. The document will be completed by July 31, 1992, meeting the TPA milestone.

200 West Area Carbon Tetrachloride Expedited Response Action and Arid Site - Cable-tool drilling of Integrated Demonstration (ID) borehole 299-W15-217 (southwest corner of 216-Z-9 Trench) reached 81 feet on June 19, 1992.

Cable tool drilling of the third ERA characterization well, 299-W15-216 (southeast of 216-Z-9 Trench), reached 207 feet (2 feet short of total depth) on June 24, 1992. Completion began on June 26, 1992.

Based on ground penetrating radar data, the new location of the third ID borehole was moved 12 feet west and 5 feet north. Drilling and completion are expected to be finished by the end of July.

Phase I of the Volatile Organic Compound-Arid Integrated Demonstration (VOC-Arid ID) portion of the soil gas survey was completed on June 23, 1992, with the installation of the sampling points inside the PFP double fence.

An anemometer was installed in well 299-W18-6 on June 22, 1992, to measure air flow through the well. This work is part of Task 8 of the Phase II Site Characterization Workplan. Initial observations June 22, 1992, indicated air flow in the range of 13 cfm with the well cap off and approximately half that with the well cap on.

Baseline monitoring continues with moderate pressure (29.1) yielding very low readings (0-1 ppm). The only exception was the cone penetrometer soil gas probe (65 feet deep) which had Organic Vapor Monitor readings up to 359 ppm. During the last report period this reading was up to 764 ppm.

The Vacuum Extraction System (VES) was in operation five days of this report period (June 17, 1992, through June 23, 1992) extracting from well W 18-10 and production data is shown in Table 1. The 7.8 ppm CCl_4 emission shown in the table is higher than normal. It was initially thought that the Odyssey CCl_4 instrument monitoring the stack emissions had a weak sampling pump, after testing/calibrating the instrument it was found to be working properly. Readings still appeared to be higher than normal (e.g. 17.0 ppm CCl_4), so a Dreager tube was used to verify them to be in the 15 to 20 ppm range. It is thought that increased temperatures may be causing the anomoly.

Increased blower outlet temperatures (275°F) could be stripping or vaporizing some of the carbon tetrachloride from the activated carbon. High temperatures are causing a restriction in flow throughput. The amount of work to create 100" W.G. vacuum, higher ambient temperatures and the heat of adsorption have an accumulative effect that really shows at these higher ambient temperatures. The exhaust stack temperature is registering 122°F and CCl_4 exhaust concentrations have reached 20 ppm. Rather than stripping or vaporizing the CCl_4, these temperatures may be interfering with adsorption efficiency. In any case, several adjustments are being made to help control the temperatures, for example air will be bled into the vacuum pump inlet for cooling and to increase velocity through the system to minimize heat pick-up, and the vacuum pump pressure will be lowered to help reduce the work energy input to the system. Ebasco had been requested to provide a cooler for the blower outlet, but a schedule for its installation is not yet available.

FIGURE 1 - VES DATA
(THROUGH JUNE 23, 1992)

Well Field (Well Nos.)	Carbon- Tet Concentration (average)	CCl_4 Removed Lbs/week	Cumulative CCl_4 Pounds	Effluent CCl_4 Emissions, ppm	Flow SCFM	Vacuum inches W.G.	Run Time hrs/wk	Hours Scheduled
W 18-97	NA	NA	6.6	NA	NA	NA	NA	NA
W 18-10	200	6.9	16.4	7.8	78	100	18.5	30
	Totals	6.9	498.6*					

*Includes pilot test run May 91 and operations since February 25, 1992.

Preparation for 24-Hour Operations of the VES - In anticipation of receiving large quantities of Granulated Activated Canisters a "mini-readiness review" meeting was held to identify activities that must be completed to support 24-hour operations of the VES. Minutes of the meeting will be formally issued along with a check list of items identified as being critical to support operations of the VES.

The "Notice to Proceed" was given to Envirotrol for the activated carbon regeneration service contract on June 16, 1992, and approved by them on June 24, 1992. Twelve 2000 lb. canisters of activated carbon should be on site by July 8, 1992.

Revision to the TI-010 *Operations and Monitoring* document is still in progress.

The Radon Test Plan was approved and is being cleared for release. It is planned to sample the Radon test canister of activated carbon for background analysis on Monday, June 29, 1992. Then the test canister will be loaded to breakthrough with CCl_4 (and whatever amount of Radon accumulates), removed from the system and stored for 30 days to allow for decay of the Radon. The canister will then be sampled for Radon progeny.

Additional information is due from the bidders by close of business June 25, 1992, to enable completing the administrative, cost and technical review of

bids for procurement of the new VES units. When this is complete, best and final bids will be requested. It appears that, with diligence, this procurement is still on track for an August 7, 1992, award.

The second VOC-Arid ID workshop was held on June 8 - 11, 1992. The workshop originated at Hanford with a general site tour, a site geology presentation, and a tour of the 200 West Area Carbon Tetrachloride site. The tour of the 200 West Area Carbon Tetrachloride site included presentations on field activities of the 200 West Area Carbon Tetrachloride Expedited Response Action (ERA) and the VOC-Arid ID, including technologies being used and demonstrated in the field. The balance of the workshop was held in Chelan, Washington, and consisted of presentations on the VOC-Arid ID program and from each Principal Investigator (PI) on their individual technologies.

A preliminary field test of the Portable Acoustic Wave Sensor (PAWS) was conducted on June 15 - 178, 1992, at the 200 West Area Carbon Tetrachloride site. Objectives of this test included: (1) evaluate effectiveness of the current PAWS system for continuous, real-time analysis of carbon tetrachloride concentration in the (ERA vapor extraction system) off-gas; and (2) evaluate field implementability of the PAWS system. The test was apparently a success; a performance evaluation report from the PI is anticipated.

Remediation Services Subcontract - A letter was drafted for Environmental Restoration Program Office to inform RL that WHC is re-initiating procurement of a subcontract for remediation services. Earlier in the year, the RL requested WHC stop pursuit of such a subcontract. The subcontract will provide a mechanism for WHC to rapidly access standard remediation equipment and services.

North Slope Expedited Response Action - Drafts of the project plan and field sampling plan have been completed. These documents will undergo internal review prior to being delivered for DOE and regulatory approval.

The request for a categorical exclusion to NEPA requirements has been drafted. Per this request, the U.S. Fish and Wildlife Service and the Washington State Department of Ecology were contacted and informed of the proposed activities. They indicated that nesting activities of sensitive bird species should be over and will not be impacted by the planned activities.

A cultural resource review of the North Slope waste site has been initiated. PNL, responsible for completing the review, requested a site by site implementation schedule and will release the sites of interest on a site by site basis. They have indicated that schedule delays should be expected on activities planned for the homesteading sites as they may be considered historically significant, since they are over 50 years old.

Safety assessments covering the sampling activities are being prepared and should be approved in time to begin field activities as scheduled.

Preparation of a Hazardous Waste Operations Permit has begun. A site tour was given to the site safety officers who will prepare the permit.

Pickling Acid Crib Expedited Response Action - Regulatory approval to proceed with the planning phases of the Pickling Crib ERA was received. A cost estimate has been prepared identifying tasks proposed for the remaining portion of FY 92.

Riverland Railroad Site Expedited Response Action - Regulatory approval to proceed with the planning phases for the Riverland ERA was received. A planning package for initiating the Riverland Railroad Site Expedited esponse Action is being completed. The package will include a list of activities and associated costs for tasks to be completed during the remaining portion of Fiscal Year 1992.

Sodium Dichromate Expedited Response Action - A site grid for geophysical surveys has been installed and preliminary Electro Magnetic and Ground Penetration Radar surveys conducted. Estimated area of site is approximately 1500 X 300 ft. Approval from Ecology and EPA to pickup/remove surface metallic debris to eliminate interference with the geophysical surveys has been received.

FIGURE 1 - VES DATA
(THROUGH JUNE 23, 1992)

CUMULATIVE		WEEK OF 6/16 TO 6/23						
Well Field/Well Number	Cummulative CCl_4 Removed, Pounds	CCl_4 Removed Lbs/week	CCl_4 Concentration (Average)	Effluent CCl_4 Emissions, ppm	Average Flow, SCFM	Vacuum, inches W.G.	Run Time hrs/wk	Hours Scheduled
Z-1A/W18-150	24.6							
Z-1A/W18-175	72.24							
Z-1A/W18-158	1.93							
Z-18/W18-97	22.93							
Z-18/W18-10	16.4	6.9	200	7.8	78	100	18.5	30
Test W18-167 & W18-171 *	308							
Totals	446.3*	6.9						

Date extraction

*Includes pilot test run May 91 in the Z-1A Tile Field and operations since February 25, 1992.

DRAFT