

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 | August 31, 1992 | 11 |
| M. R. Adams | H4-55 | EPA | B5-01 | |
| M. V. Berriochoa | B3-30 | P. Beaver | | |
| H. D. Downey | L4-92 | P. T. Day | | |
| J. K. Erickson | A5-19 | D. R. Einan | | |
| W. F. Heine | B2-35 | D. A. Faulk* | | |
| R. E. Lerch | B2-35 | L. Gadbois | | |
| R. G. McLeod | A5-19 | P. S. Innis* | | |
| P. M. Pak | A5-19 | D. R. Sherwood* | | |
| J. K. Patterson* | L4-92 | Ecology | fax | |
| J. T. Stewart | A5-20 | J. Donnelly* | | |
| R. K. Stewart* | A5-19 | L. Goldstein | | |
| T. M. Wintczak | L4-92 | R. L. Hibbard | | |
| EDMC | H4-22 | D. Goswami* | | |
| ERAG Route | | J. Phillips | | |
| Field File Custodian | H4-55 | D. D. Teel* | | |
| WLJ File/LB | | N. Uzremier* | | |

***Attendees**

The weekly interface meeting on the expedited response actions (ERAs) was held to status the ERAs for the U.S. Department of Energy, Richland Field Office 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 eight approved ERAs were discussed and their status summarized. WHC provided a copy of the well summary sheets for well 299-W15-216 which encountered a perched water condition. WHC also provided a detailed explanation of the North Slope project activities. A meeting was set up for Tuesday, September 8, 1992, to resolve regulator comments on the Sodium Dichromate and North Slope sampling plans. WHC took an action to set up a briefing on next fiscal year's Integrated Demonstration activities.

Attachments:

1. Agenda
2. Action Item List
3. Decisions, Agreements & Commitments
4. Expedited Response Action Weekly Report
5. Well Summary Sheets for Well 299-W15-216
6. North Slope Project Summary



9 2 1 2 6 6 0 1 9 6 8

WEEKLY ERA INTERFACE AGENDA

SUBJECT: STATUS OF THE EXPEDITED RESPONSE ACTIONS

DATE: August 31, 1992

- GENERAL ISSUES
 - ERA Interface Action Item review
- INDIVIDUAL PROJECT STATUS
 - / 618-9 Burial Ground
 - / 200-W Carbon Tetrachloride
 - o Site characterization status (perched water summary)
 - o Operations status (12 hour operations at 100 cfm)
 - o Procurement & design activities for next two units
 - o Integrated demonstration activities
 - / Sodium Dichromate
 - o Project plan (SAP) submitted on August 29, 1992
 - o Safety analysis and NEPA ongoing
 - o Meeting on regulatory comments (Wednesday, September 2, 1992)
 - / Riverland
 - o Planning underway
 - o GPR conducted
 - o NEPA needs to be pushed
 - / Pickling Acid Crib
 - o Planning underway
 - o SAP under development
 - / 618-11 Burial Ground
 - o Planning underway
 - / N-Spring
 - o Internal discussions ongoing
 - 1100 Area/ALE ERA to be proposed by Army Corps of Engineers
 - / Wahluke Slope
 - o Project plan and SAPs comment resolutions, safety analysis ongoing, GPR complete, NEPA approved
- OTHER ISSUE
- SUMMARY OF ACTION ITEMS
- SIGN-OFF ON ANY DECISIONS, AGREEMENTS, OR COMMITMENTS

92126601969

EXPEDITED RESPONSE ACTION INTERFACE MEETING

~~ACTION ITEMS~~
August 31, 1992

ORGANIZATION

ACTION ITEM

WHC

WHC will prepare an outline detailing proposed activities, technical issues, and schedules for the 618-11 Burial Ground. This outline will be presented at an upcoming ERA interface meeting. (open) Will be provided on 9/14/92.

WHC

WHC will research past environmental monitory records (PNL's) to assess the radiological impact of Hanford Operations on the North Slope. (closed) *Aerial monitoring shows no contamination.*

WHC

WHC will provide DOE, EPA, and Ecology copies of the GPR reports for Riverland, North Slope and Sodium Dichromate ERA sites when they become available. (open)

WHC

WHC will provide the date for VES contract award to the regulators. (closed) *Mid-September date is anticipated, vendor is working on design.*

WHC

WHC to develop a draft plan for removal and storage of oil soaked soil at the grease rack. (open) To be discussed in the 8/31/92 ERA Interface Meeting.

WHC

WHC will provide a briefing on the Integrated Demonstration activities planned for next fiscal year. (open)

9 2 1 2 6 6 0 1 9 7 0

EXPEDITED RESPONSE ACTION INTERFACE MEETING

-DECISIONS, AGREEMENTS, & COMMITMENTS-
August 24, 1992

DECISIONS:

AGREEMENTS:

Nothing of significance

COMMITMENTS:

DOE Representative

EPA Representative

ECOLOGICAL Representative

WJH 9/1/92

WHC Representative

Weekly Report, Week Ending August 30, 1992
EXPEDITED RESPONSE ACTIONS
Technical and Management Contact - Wayne L. Johnson, 376-1721
Environmental Division

200 West Area Carbon Tetrachloride Expedited Response Action and Arid Site Integrated Demonstration -

I. REGULATORY

The NEPA categorical exclusion for the membrane separation system has completely cleared all regulatory hurdles and has been signed off by Mr. Wagoner.

An analysis of ARARs as applied to catalytic oxidation (for treatment of VOCs) has been initiated.

II. SITE CHARACTERIZATION

A second anemometer was set up on well 299-W15-9 (north side of 216-Z-9 Trench) to continuously log air flow rates.

Characterization Report for fiscal year (FY) 92, due September 30, 1992, is in preparation. This report will provide a status of characterization activities and accomplishments for FY 92. This report will be available for review on August 31, 1992.

Draft FY 93 Site Characterization Workplan, due September 30, 1992, is also in preparation. This report will provide the workplan for next FY's site characterization activities for both the ERA and the Arid ID. It will be finalized by November 30, 1992, after funding levels and Principal Investigator needs have been established. The workplan will follow the format of the FY 92 workplan.

III. VES Operations

The technically qualified low bidder for the VES procurement (Barnebey & Sutcliffe) was visited to review their cost accounting procedures, purchase order requirements, quality assurance, and design and fabrication capabilities. Results of the trip were favorable with award of the contract anticipated to occur in the near future. In support of this effort, a letter was written to the procurement organization requesting that award of this contract be expedited and viewed as a high priority.

Operation of the system at 12 hours/day is currently ongoing. Both radon test canisters have been fully loaded and the larger 2000 lb. GAC canisters are being used a both primary and secondary adsorption units. The first radon test canister was taken out of service the end of July and is scheduled to be sampled August 27, 1992. The data collected from both canisters will be used to establish the release criteria for future shipment to the carbon regeneration facility.

92126501972

9 2 1 2 6 5 0 1 9 7 3

Table 1 CCl₄ Production Data

| Operational Date | Well Field | Amount of CCl ₄ Removed (lb.) | Average CCl ₄ Conc. (ppm) | Total Operational Time (hr.) | Average Flowrate (SCFM) | Stack Emissions (ppm) |
|--------------------------------------|------------|--|--------------------------------------|------------------------------|-------------------------|-----------------------|
| 8/13 - 8/19 | 216-Z-1A | 65 | 432 | 42 | 160 | 0.6 |
| 8/19 - 8/25 | 216-Z-1A | 125 | 583 | 47 | 190 | 0.4 |
| Total CCl₄ removed | | 853.6 | | | | |

The proposals for the process control system have been reviewed and a preferred vendor selected. The final award will be made in the next few days. The delivery for the equipment will take between 4 and 6 weeks after the final award. Operation of the VES for 24 hours will be delayed until mid-October, since the process control system is the critical path item.

A draft report on the evaluation of possible radiological release methods for the GAC canisters has been received and is currently being reviewed. This report evaluates various methods that could be used to radiologically release the GAC canisters for off-site regeneration, without having to physically sample.

IV. VOC - ARID INTEGRATED DEMONSTRATION

Preparation are being made for the Fiber Optic Sensor team. Copper sample lines have been received and will be installed in the next few days. Sources of gas and liquid nitrogen have been identified for Fiber Optics testing requirements. The mobile sampling trailer is ready to be occupied. Further testing of Halosniff sensor begins Monday, August 31, 1992.

North Slope Expedited Response Action - The ERA project plan and military landfill sampling plan were transmitted to RL and the regulatory agencies. A site tour has been scheduled with a former employee who worked at the Nike missile sites for Saturday August 29, 1992. The tour will focus on areas where a military cache was believed to be disposed. A plan for removing and storing soils contaminated with oil is being developed.

Cleanup of surface debris has been postponed as a result of the cultural resource review. PNL archeologist require that the debris be inspected for cultural significance prior to being disposed of. This survey should begin in early September.

A draft sampling plan which focuses on waste sites other than the military landfills has been drafted. This plan includes sampling the homestead cisterns as well as fuel handling areas at the Nike missile sites.

White Bluffs Pickling Acid Crib Expedited Response Action - Project planning has been initiated. NEPA documentation, a cultural resource review, and a plant forces review are in process. Historical data indicates that the cribs may have been used during construction of N Reactor.

Riverland Railroad Site Expedited Response Action - NEPA documentation has been provided to RL. A plant forces work review was submitted for this project. Geophysical surveys have been completed at the railroad and anti-aircraft sites.

Sodium Dichromate Expedited Response Action - Work continues on project document preparation. Comments from the regulators have been received and are being evaluated.

618-9 Burial Ground Expedited Response Action - Nothing new to report.

618-11 Burial Ground Expedited Response Action - Developing FY 93 cost account plan and reviewing historical information in preparation for a September 14, 1992, presentation at the ERA weekly interface meeting.

N-Springs Expedited Response Action - A cost account plan has been drafted for FY 1993. A statement of work is being drafted to obtain IT Corporations services in preparing the ERA project plan which will identify potential response alternatives and the appropriate selection criteria.

9 2 1 2 6 6 0 1 9 7 4

August 26, 1992

Perched Water at 299-W15-216

The following information is provided to confirm that the perched water zone encountered at 299-W15-216 during drilling for the 200 West Carbon Tetrachloride ERA was successfully sealed during drilling and completion activities.

The perched water encountered during drilling of 299-W15-216 on May 27, 1992, was successfully sealed before drilling continued. The procedures outlined in the WAC 173-160 of creating a bentonite seal between casing sizes and telescoping or down-sizing of casing, were followed. The perched water was encountered while drilling with the 10" casing, after previously downsizing from the 12". The 10" casing was extracted from the borehole and drilling continued with the 12", after a water sample analysis was performed to confirm the absence of radionuclide contamination in the perched water. Once the caliche layer was penetrated, the 12" was set one foot into the caliche/ confining layer. When the 12" had been set in the confining layer, a bentonite seal was created by adding bentonite pellets in the 12" casing, followed by an addition of bentonite slurry (Enviro-Plug). After the 10" casing had been deconned, drilling proceeded with the 10" to a depth in the caliche/confining layer of two feet. After the 12" and 10" casings were set in the caliche/confining layer, the borehole was checked for water. No water was found confirming that a substantial seal existed, and drilling proceeded with the 8" casing. To the best of our knowledge, no cross contamination or communication of contaminants to the ground water occurred during drilling.

In the process of constructing the well, the bentonite seal was maintained by the keeping a bentonite slurry in the annular space during backpulling the temporary casing. The perched water was not encountered during completion activities.

A diagram of the well summary sheet is enclosed for reference to the actual construction of this vadose monitoring well.

V.L.King
Wellsite Geologist

WELL SUMMARY SHEET

Boring or Well No. 299-W15-216

Sheet 1 of 2

Location 200 West East of 2 plant Project CCL4 ERA Phase II Soil Vapor Monitoring
 Elevation N/A Drilling Contractor KEH
 Driller M. Wraspir Drilling Method and Equipment Cable Tool - Bucyrus Erie 22W
 Prepared By K.J. Swett Date 7/9/92 Reviewed By CSC-7/9/92 Date _____
 (Sign/Print Name) (Sign/Print Name)

| CONSTRUCTION DATA | | Depth in Feet | GEOLOGIC/HYDROLOGIC DATA | |
|---|---------|---------------------|--------------------------|--------------------------------------|
| Description | Diagram | | Graphic Log | Lithologic Description |
| 3.4' stick-up on stainless steel casing | | | | Gravelly SAND |
| Portland cement surface - 10.0 | | 10 | | " |
| 10.0-49.6 Bent. Crumbles | | 20 | | SAND (some silt layers) |
| Temporary 12" φ CS casing w/shoe set at 116.1 FT b/s | | 30 | | Gravelly SAND Gravelly silty SAND |
| 2" casing removed 7/8/92 | | 40 | | Gravelly SAND |
| Temporary 10" φ CS casing w/shoe set at 116.9 FT b/s | | 50 | | Silty sandy GRAVEL |
| 10" casing removed 7/2/92 | | 60 | | Interbedded SAND |
| 49.6-63.9 Bent. Slurry | | 70 | | " |
| 66.6-83.3 (20-40) Silica Sand | | 80 | | " |
| 66.6-83.3 (10-20) Silica Sand | | 90 | | " |
| 67.72-79.79 (.020) Stainless Steel Screen | | 100 | | " |
| 83.3-91.2 Bent. Crumbles | | 110 | | SILT Palouse |
| 91.2-164.3 Bent. Slurry | | 120 | | CALICHE |
| Temporary 8" φ CS casing w/shoe set at 208.7 FT b/s | | 130 | | Gravelly sandy SILT |
| | | 140 | | Silty sandy GRAVEL Gravelly SAND |
| | | 150 | | Gravelly SILT |
| | | 160 | | Gravel |
| 164.3-167.5 Bent. Crumbles | | 170 | | " |

WELL SUMMARY SHEET

Boring or Well No. 299-W15-216

Sheet 2 of 2

Location 200 West East of 2 plat Project CCl₄ ERA Phase II Soil Vapor Monitoring
 Elevation N/A Drilling Contractor KEH
 Driller M. Wraspir Drilling Method and Equipment Cable Tool: Bucyrus Ericsson
 Prepared By K.S. Swett Date 7/5/92 Reviewed By _____ Date _____
(Sign/Print Name) (Sign/Print Name)

CONSTRUCTION DATA

Depth
in
Feet

GEOLOGIC/HYDROLOGIC DATA

Description

Diagram

Graphic Log

Lithologic Description

| Description | Diagram | Depth in Feet | Graphic Log | Lithologic Description | |
|---|---------|---------------|-------------|------------------------|--|
| 167.5 - 171.4 (20-40) Silica Sand | | 170 | | GRAVEL | |
| 171.4 - 187.0 (10-20) Silica Sand | | 180 | | " | |
| 187.0 - 191.4 Hole Plug | | 190 | | " | |
| Temporary 8" CS casing w/shoe set at 208.7 ft bks | | 200 | | " | |
| 8" casing removed 7/1/92 | | 210 | | " | |
| 208.5 - 191.4 (8-12) Silica Sand | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

NORTH SLOPE ERA
WEEKLY INTERFACE MEETING

ISSUES

- 1) BURIED MILITARY CACHE -
- 2) CULTURAL RESOURCES -
- 3) PROJECT PLAN -

- a) IDENTIFICATION OF ALTERNATIVES

- i) Backfill open pits/structures
- ii) General debris cleanup (Cultural Resources ?)
- iii) Removal of hazardous wastes
- iv) No Action

- b) SITE EVALUATION TASKS

- i) Review of military archives/personnel interviews
- ii) Geophysical surveys (No indication of underground tanks)

Field Sampling
Plan #1

- iii) Landfill Sampling
3 landfills selected (1 Nike, 1 AAA, 1 both)
6 auger location/landfill
Sample at approx. bottom of landfill
Field screen for organics/inorganics
If + results - take lab sample

Field Sampling
Plan #2

- iv) Cisterns
Removal material/inspect (hazardous)
Take screening samples from 3
(Screen for herbicides/pesticides)
If + results - take lab sample
If - results - backfill

- v) Nike Sites

- vi) AAA Sites

- vii) 2,4-D Disposal

- viii) Hazardous waste storage (EII 4.3)