

# START

0023085

## MEETING MINUTES

Subject: Expedited Response Action Weekly Interface

TO: Distribution

BUILDING: 450 Hills

FROM: W. L. Johnson

CHAIRMAN: G. C. Henckel 

Dept-Operation-Component	Area	Shift	Meeting Date	Number Attending
Environmental Engineering	3000	Day	August 24, 1992	12

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 ERAs were discussed and their status summarized. RL provided WHC with copies of Ecology/EPA comments on the Sodium Dichromate ERA project plan and North Slope ERA project plan.

### Attachments:

1. Agenda
2. Action Item List
3. Decisions, Agreements & Commitments
4. Expedited Response Action Weekly Report
5. Memo, D. Goswami, Ecology, to R. K. Stewart, RL, "Sodium Dichromate Barrel Disposal Landfill ERA Project Plan."
6. Memo, D. Goswami, Ecology, to R. K. Stewart, RL, "North Slope ERA Project Plan."

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WEEKLY ERA INTERFACE AGENDA

SUBJECT: STATUS OF THE EXPEDITED RESPONSE ACTIONS

DATE: August 24, 1992

- GENERAL ISSUES
  - ERA Interface Action Item review
- INDIVIDUAL PROJECT STATUS
  - / 618-9 Burial Ground
    - 200-W Carbon Tetrachloride
      - o Site characterization status
      - ✓ o Operations status (12 hour operations at 100 cfm)
      - o Procurement & design activities for next two units - site visit this week
      - o Integrated demonstration activities - soil gas technologies
    - / Wahluke Slope
      - o Project plan and SAPs ready for regulatory review (will be issued this week), safety analysis ongoing, GPR complete, NEPA approved
    - / Sodium Dichromate
      - o Project plan (SAP) submitted (comments?) by August 29, 1992
      - o Safety analysis and NEPA ongoing
      - o GPR completed
    - / 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
  - OTHER ISSUE
  - SUMMARY OF ACTION ITEMS
  - SIGN-OFF ON ANY DECISIONS, AGREEMENTS, OR COMMITMENTS

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EXPEDITED RESPONSE ACTION INTERFACE MEETING

-ACTION ITEMS-  
August 24, 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)

WHC

WHC will research past environmental monitoring records (PNL's) to assess the radiological impact of Hanford Operations on the North Slope. (open)

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.

WHC

WHC to develop a draft plan for removal and storage of oil soaked soil at the grease rack.

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EXPEDITED RESPONSE ACTION INTERFACE MEETING

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

DECISIONS:

AGREEMENTS:

No significant actions

COMMITMENTS:

\_\_\_\_\_  
DOE Representative

\_\_\_\_\_  
EPA Representative

\_\_\_\_\_  
ECOLOGY Representative

*[Signature]* 8/24/92  
\_\_\_\_\_  
WHC Representative

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Weekly Report, Week Ending August 21, 1992  
EXPEDITED RESPONSE ACTIONS  
Technical and Management Contact - Wayne L. Johnson, 376-1721  
Environmental Division

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

200 West Area Carbon Tetrachloride Expedited Response Action and Arid Site Integrated Demonstration - The anemometer set up on well 299-W18-6 to measure air flow has been re-configured for automatic data logging, and the first two periods of continuous monitoring have been recorded (intervals of approximately 40 hours and 53 hours). Initial results are indicating that the peak flow rates appear to correspond nicely to the peaks in barometric pressure fluctuations. A second anemometer will be set up for continuous logging on August 19, 1992.

Baseline Monitoring

Baseline monitoring continues with similar climatic conditions producing dissimilar OVM readings. During monitoring on August 13, 1992, and August 17, 1992, barometric pressure was 29.1 and temperatures were in the 70-80's. Monitoring data from August 13, 1992, produced 15 readings above background. Many readings were in the 12 to 16 ppm range. Monitoring on August 17, 1992, produced four readings above background, the most significant being 295 ppm at the 65-ft-deep soil gas probe near 216-Z-9.

Expedited Response Action Implementation - Operations are being conducted at 12 hours/day. 24 hour/day operations are planned for the end of September pending receipt of operating equipment.

The technically qualified low bidder for the vapor extraction system (VES) procurement was notified that they are the apparent low bidder. The project engineer is visiting their facilities this week to determine whether the vendor is fully capable of performing this work.

The 6" X 4" reducing bushings to adapt the 6" inlets and outlets from the new GAC canisters to the 4" hoses of the existing VES unit were received. A new canister was connected in the polish (or second) position with excellent results. The canister that is in the lead (or first) position is the final radon test canister which will be sampled for evaluating radon and radon progeny. This data will be used to establish the release criteria for future shipments to the carbon regeneration facility. The plumbing was completed for the vacuum blower coolers and are now awaiting the electrical power connection.

The simplest and possibly the best method for accounting for the amount of radon loaded onto the GAC is to use the Pylon AB-5 Radon monitors to measure the mass balances of radon around the canisters. In addition, to differentiate between radon and radionuclides in accurately determining mass balances, a record radionuclide sampler will be located in the outlet of the HEPA Filters (which is upstream of the GAC canisters) to provide good assurance that there are no man made radionuclides in the canisters prior to release for shipment back to the regeneration facility.

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The process control system is out for best and final bids. Two bidders are proposing control systems that will meet the needs of the Vapor Extraction System. This system will be comprised of hardware that will interact with instruments in the field and an operator interface that will provide for continuous monitoring of process inputs, historical storage, alarm annunciation, control outputs, and security.

This system is expected to be running by the third week in September.

The signal converters for the Odyssey instruments are being assembled by the manufacturer TRI. These converters will allow the Odyssey instrument to communicate with the process control system.

Volatile Organic Compound Arid Integrated Demonstration - Quadrel Services, Inc. has received the laboratory results back on the ten passive soil gas collectors which were placed in the field from August 6, 1992, through August 10, 1992. The report is expected near the end of the month.

The first five PETREX passive soil gas collectors will be retrieved and sent to Northeast Research Institute, Inc. (NERI) on August 20, 1992, for analysis. Five clusters of five collectors each were placed in the field on August 11, 1992. One collector will be retrieved from each site once a week by Demonstration Operations and shipped to NERI for analysis.

Photographs were taken on August 13, 1992, of both the EMFLUX and the PETREX collectors, including a staged deployment operation, the field set-up, and the configuration of the absorbent collection system.

Characterization Report for fiscal year (FY) 92, due September 30, 1992. This report will provide a status of characterization activities and accomplishments for FY 92. It will also be used as a vehicle for transmitting/reporting available data that will not be contained in a separate report (e.g., the cone penetrometer report from ARA). We have prepared a detailed outline and expect to submit the text to editing by August 21, 1992.

Draft FY 93 Site Characterization Workplan, due September 30, 1992. This report will provide the workplan for next fiscal year'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. We are in the process of planning the specific tasks and expect to submit the text to editing by August 28, 1992. The workplan will follow the format of the FY 92 workplan.

A letter was sent on August 13, 1992, to all the Principal Investigators requesting input on their FY 93 characterization needs to Demonstration Operations by August 31, 1992.

The control box for the SEAMIST soil gas sampling system was shipped to Science & Engineering Associates (SEA) on August 17, 1992, for replacement of the motor.

Integrated test plans for the HaloSnif and Fiber Optic Sensor are in the final stages of completion. These test plans will be signed off and ready for the Principal Investigators arrivals the first week of September.

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The ERA carbon tetrachloride site is being prepared for the PIs arrival. A trailer is being arranged for the Fiber Optic Team. Power receptacles are being procured for the HaloSnif Team and copper tube is being procured for the Fiber Optic Team.

Outreach - A television interview to the local CBS affiliate and a followup radio interview were provided regarding the proposed International Integrated Demonstration and Russian Training.

A tour of the VES site was provided to the editors of the Oregonian.

North Slope Expedited Response Action - The recent media coverage has encouraged former personnel to supply Environmental Restoration Engineering with indications that a military cache may be buried in the area. Also red fuming nitric acid may have been disposed of in drums. Follow-up verification will be performed as soon as possible.

A concrete ramp, located at PSN 90, was dismantled. The ramp was used to service vehicles utilized in operation of the anti-aircraft site. The ramp was currently being utilized by the public to service their personal vehicles.

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.

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 is being collected.

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. Awaiting comments from the regulators on the sampling and analysis plan. A plant forces work review was submitted for this project.

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STATE OF WASHINGTON  
DEPARTMENT OF ECOLOGY

7601 W. Clearwater, Suite 102 • Kennewick, Washington 99336 • (509) 546-2990

August 17, 1992

Bob Stewart  
U.S. Dept of Energy  
P.O. Box 1970, MSIN: A5-19  
Richland, WA 99352

Dear Mr. Stewart:

Re: North Slope Expedited Response Action Project Plan

Ecology, along with the U.S. Environmental Protection Agency (EPA) as support agency, has completed the review of the North Slope Expedited Action Project Plan. The review comments indicate further clarification of certain areas is required, and also some additional technical information is recommended. The comments and recommendations are enclosed.

In order to facilitate expedited resolution of these comments, it would be in the best interest of all parties to have a meeting at the earliest convenience. If you have any questions, please do not hesitate to call me at (509) 546-4301.

Sincerely,

Dib Goswami  
Unit Manager  
Nuclear and Mixed Waste Management Program

DG:mf  
Enclosure

cc: Darci Teel - Ecology, Kennewick  
Dennis Faulk - U.S. EPA  
Larry Goldstein - Ecology, Lacey  
Tim Veneziano, WHC  
Administrative Record

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AUG 20 1992  
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DCE-RL, GCS  
192-ERB-479

Comments on North Slope Expedited Action Project Plan

1. General:

The document must be rewritten to describe actual methods of sampling, schedule, and details on sampling procedure/protocol. Location of each site must be identified with maps. The future report should include data obtained from GPR. Criteria for when a sample will be taken and the minimum number of samples that will be taken at each location with a tentative time schedule must be provided for each site.

The description must also include the actual methods of sampling, decontamination procedures, and methods of handling the waste generated during this sampling event. Since no volatiles are being sampled, we must conduct field screening using OVM for verification. Also, any previous information on radiation survey/radioactivity, must be mentioned in this project plan since Hanford site is basically a nuclear site.

Since this document will be rewritten, no such specific comments are presented at this time. However, the following must be incorporated in the future text.

2. Section 1.1

Criteria for identifying only 3 representative landfills must be provided.

3. Section 3.2

Reason for collecting only 24 samples must be provided.

4. Section 3.3

The words just reference eieio manual should be removed. In addition, the title of this section should be changed to HEIS Sample Labeling as this is all the section addresses.

5. Section 8.0

Major changes to the description of work should require regulatory concurrence.

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8/24/92 Copy from  
Darci at ERA mtg  
- copy to George Brunckel  
22912

STATE OF WASHINGTON  
DEPARTMENT OF ECOLOGY

7601 W. Clearwater, Suite 102 • Kennewick, Washington 99336 • (509) 546-2990

August 21, 1992

Mr. R. K. Stewart  
U.S. Department of Energy  
P.O. Box 1970, MSIN: A5-19  
Richland, WA 99352

Dear Mr. Stewart:

Re: Sodium Dichromate Barrel Disposal Landfill  
Expedited Response Action (ERA) Project Plan

Ecology, along with the U.S. Environmental Protection Agency (EPA) as support agency, has completed the review of the Sodium Dichromate Barrel Disposal Landfill Expedited Response Action (ERA) project plan. The review comments indicate further clarification of certain areas is required. In addition, a detailed sampling and analysis plan (attachment 1) describing specific locations of sampling, number of samples to be taken, types of equipment and method(s) to be used, decontamination procedures to be followed, etc., must be submitted.

In order to facilitate expedited resolution of these comments, it would be in the best interest of all parties to have a meeting at the earliest convenience. If you have any questions please do not hesitate to call me at (509) 546-4301.

Sincerely,

*Nancy Goswami*

Dib Goswami  
Unit Manager  
Nuclear and Mixed Waste Management Program

DG: sl  
Enclosure

cc: Darci Teel, Ecology  
Paul Beaver, EPA  
Larry Goldstein, Ecology  
T. B. Veneziano, WHC  
Administrative Record

92126551879

Comments on Sodium Dichromate Barrel Landfill Expedited Response  
Action Project Plan

1. Section 1.2 : Page 1, 2nd paragraph

The text identifies only one primary assumption in developing an unofficial site description. What are the other primary, as well as secondary assumptions? This needs to be incorporated.

2. Section 1.2: page 1, 4th paragraph

The last sentence of this paragraph should include the information obtained from various surveys, which concludes that the site has been used for landfill; and four major buried waste sites have been discovered from EMI and GPR data (as per ref. Section 2.3.2; page 12).

3. Section 1.2: page 1, 6th paragraph

Results of the earlier radiation survey need to be incorporated.

4. Section 1.2: page 1, 7th paragraph

If available, the text should offer explanations on the bare patches observed in the Hanford area.

5. Figure 2: page 3

The debris types found at "W" and "X" are not correctly shown in the figure. This needs to be corrected.

6. Section 1.3: page 5, 1st paragraph

The statement "non-time critical" should be removed. The ERA's goal is to expedite the clean-up action of these sites as soon as possible.

7. Section 2.2: page 7, last paragraph

This section should elaborate how the various anomalies found will be resurveyed for better definition of these sites. It should include the detailed methods of survey, the types of survey, grid patterns, etc., that will be implemented in this process. The initial reconnaissance grid pattern of 20 to 40 ft. for GPR as well as EMI is very wide considering the size of the barrel and other debris. It is quite likely that more anomalies of smaller size are present at the site. A future survey program must incorporate these deficiencies.

8. Figure 6: Page 10

Figure 6. must mention the grid interval used in obtaining the data.

9. Section 2.3.2: page 12

The text should mention that the details of the sampling plan and field activities would be reported separately.

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10. Section 3.0: page 12

The text describes that this section would provide information on screening of remedial action alternatives based on certain preliminary models. However, nothing was mentioned regarding the alternatives and model. The entire text needs to be modified accordingly.

11. Section 3.2: page 13

Remove the first bullet since some actions were already taken (eg. removal surface debris).

12. Section 7.0: page 15

Both regulatory agencies are of the opinion that the project schedule shown in Figure 8. is too long and is not acceptable. The project should be completed by the end of 1993 or by the beginning of 1994.

13. Attachment 1: Sampling and Analysis Plan:

This part of the document must be rewritten to describe actual methods of sampling, schedule, and details on sampling procedures/protocol. Location of each site must be identified with maps. Criteria for when a sample will be taken and the minimum number of samples that will be taken at each location with a tentative time schedule must be provided. The description must also include the actual methods of sampling, decontamination procedures, and methods of handling the waste generated during this sampling event. Field screening of volatiles using OVM must be used at the site.

Since the sample analysis plan needs to be rewritten, no such specific comments are presented at this time.

14. Attachment 6: Community relations Plan: page 6-i

There is no community relations plan attached to the document.

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