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Final

Meeting Minutes Transmittal/Approval
Unit Mangers Meeting: 183-H Solar Evaporation Basin
Federal Building, Room G-59
Richland, WA 99352

Meeting Held July 23, 1990
Richland, Washington

183-H Solar Evaporation Basin, Unit Managers' Approval

Clifford E. Clark Date: 8/21/90
Clifford E. Clark, DOE-RL, ERD

M. A. Mihalic Date: 8.21.90
Mike Mihalic, WHC, Contractor Representative, HSFP

Daniel L. Duncan Date: 11/1/90
Dan Duncan, EPA Region X, Unit Manager

Fred A. Ruck III Date: 9/20/90
Fred A. Ruck III, WHC, Contractor Representative

Joe Witczak Date: 9/20/90
Joe Witczak, Ecology

PURPOSE: Monthly status report.

Meeting Minutes are attached. Minutes are comprised of the following:

- Attachment #1 - Meeting Summary of Discussion and Commitments
- Attachment #2 - Commitments/Agreements Status List
- Attachment #3 - Attendance List
- Attachment #4 - Agenda



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Distribution:

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M. J. Anthony	DOE	(A6-95)
J.D. Bauer	WHC	(B3-14)
S.A. Benfer	SWEC	(A4-35)
L.E. Borneman	WHC	(B2-19)
E.A. Bracken	DOE	(A6-95)
L.C. Brown	WHC	(H4-51)
R. Brown	Ecology	
R.M. Carosino	DOE	(A4-52)
C.E. Clark	DOE	(A6-95)
S.B. Clifford	WHC	(H4-57)
C. Defigh-Price	WHC	(B2-20)
D.L. Duncan	EPA	
K.R. Fecht	WHC	(H4-57)
C.J. Geier	WHC	(H4-57)
J.D. Goodenough	DOE	(A6-95)
R.D. Izatt	DOE	(A6-95)
G.W. Jackson	WHC	(R2-29)
R.J. Landon	WHC	(B2-19)
R.E. Lerch	WHC	(B2-35)
M.E. Lerchen	Ecology	
M.A. Miha'ic	WHC	(R1-15)
H.E. McGuire	WHC	(B2-35)
E.W. Powers	WHC	(R2-77)
L.L. Powers	WHC	(B2-35)
R.E. Peterson	WHC	(H4-56)
F.A. Ruck III	WHC	(H4-57)
S.A. Wiegman	WHC	(B2-19)
J. Witczak	Ecology	

ADMINISTRATIVE RECORD (183-H Solar Evaporation Basins, T-1-4)
[Care of Susan Wray, WHC (H4-22C)]

Attachment #1

Summary of Discussion

A. Site Operations

WHC (Mike Mihalic) reported that the project was going better than anticipated until July 11th. At this time, shipping to the CWC was stopped when corrosion was found on 20 - 55 gallon drums of material (sandblast grit, sludge and liquid sludge) located at the CWC. One of the drums was found to have a few drops of material (liquid) running down its side and a small amount had dripped on to the concrete storage pad. The largest spot of corrosion was approximately one inch in diameter near the top 1/3 of the drum. Eight of the drums were shipped back to the temporary storage site of 183-H and unpacked to determine the cause of the corrosion. The findings of this inspection were that the pig tails on the two 10 mil liners had not been taped as called for in the work procedures. No specific root cause was found for this deviation in normal procedure and it is assumed that it was an isolated operator error. It was suggested that the mechanism leading to the corrosion was the daytime heating of the barrels causing moisture in the sludge to vaporize and then the cooling at night of the prepared drum causing condensation of available moisture on the drum's upper interior surfaces, bathing the interior of the closed drum with a concentration of corrosive liquid. This problem was not present in drums that had been packaged properly; that is, bagged, tied and taped closed.

As corrective action, WHC has re-instructed operating personnel on the necessity of following the established packaging procedure and is upgrading the QA/QC packaging and inspection plan. They will also consider switching over to 90 mil liners for the additional 900 barrels of material left in the basins.

WHC states that there are some 3000 drums that may need to be opened and inspected and repacked if necessary. No time-frame was established for this activity. If it should be required, it should not have an adverse effect on shipping schedule. To ensure compliance with all future packaged drums WHC will increase the inspection of drums but had not yet finalized this plan and schedule.

DOE-RL requested clarification as to whether, in Ecology's view, the leaking drum and the consequent spillage of a few drops of this liquid onto a concrete pad and not the bare ground, would be seen as a release to the environment. It had evidently been cleaned up expeditiously and the offending drum had been placed in an overpack. Ecology (Joe Witczak) stated that this should be recorded in the inspection logs and that an inspector may be sent out since this could be considered a reportable release. He will check with the office for clarification on this point. A discussion pursued on the reporting of the spill which led to a discussion of the Hanford Event Fact Sheet. DOE commented that the Event Fact Sheet is an internal management tool

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used for critiqueing an incident. The filing of the form will trigger a DOE internal review and could if done on this job, close it down until headquarters has completed its review.

Action Item #1: A status report will be given on the spill and related cleanup action of the spill at the next UMM. Action Jim Goodenough

B. Current Operations Status

WHC commented that the 90 day storage time limit at the temporary storage pad at 183-H will become a problem if shipment to CWC is not resumed. Hopefully, with the resolution of the corrosion problem, shipping will be resumed. It is estimated that if shipping can start next week, the milestone for removal of the sludge from the basins can be met. This is based on an estimate that 900 barrels of sludge are left in the basins and that it can be removed at a rate of 70 barrels a day. It is estimated that 20 working days will be required for complete the removal.

C. Sampling Plan

WHC stated that sampling was being planned for the end of the year for basins 2 and 3. Spot samples will be collected from basins 1 and 4. These samples will be compared to earlier samples collected and sent to U.S. Testing for analysis. The samples will be a partial validation of the earlier U.S. Testing analytical results. WHC stated that they will keep Ecology and EPA informed as the project progresses.

D. Closure Plan

WHC inquired when Ecology would complete their review of the closure plan so that if clean closure was the option chosen for the site, it would be in place. Ecology stated that the plan should be completed by the end of the week and that a meeting should be set up in August to discuss a time line for its completion.

Ecology commented that page changes would be sufficient for minor changes of the closure plan. WHC commented that if we go with clean closure we will add an appendix to the plan and will make minor changes to the body of the plan. Ecology concurred and stated further that if any major changes are needed the entire document may need to be reviewed again.

E. Nitrate Concentrations

Ecology commented that they (Mike Gordon) had gone through the calculations in the Model Toxic Control Act (MTCA) for Nitrogen and came to the conclusion that the allowable concentrations reported at the last meeting were too low. WHC commented that they will look into using MTCA for determination of permissible background levels for other contaminants.

F. Other

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The next meeting is scheduled for August 20 in Richland, Washington.

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Attachment #2

ACTION ITEM

COMMITMENTS/AGREEMENTS STATUS LIST

5-30-90:0

Ecology approval of 183-H Solar Evaporation Basins Closure Plan. Action Ecology.

OPEN

5-30-90:1

DOE will send the agencies the letter containing the results of the analysis for delisting of the 183-H Solar Evaporation Basin Wastes. Action: Cliff Clark.

CLOSED The letter was sent.

6-27-90:4

A draft copy of the MTCA with the formulas on how limits are calculated will be sent to DOE/WHC. Action Joe Witczak

CLOSED Joe Witczak sent a draft copy of the MTCA to DOE/WHC one week after the meeting.

7-23-90:1

A status report will be give on the spill and related clean up action at the spill at the next UMM. Action Jim Goodenough

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Attachment #3
Attendance List

Name	Organization	Phone #
Clark, Clifford	DOE-RL	509-376-9333
Clifford, Samuel	WHC/Permit	509-376-5137
Duncan, Dan	EPA Region 10	206-442-6693
Gasser, Mike	SWEC	509-376-9830
Goodenough, James D.	DOE-RL	509-376-7087
Helgeson, Karl	SWEC	509-376-0969
Lerchen, Megan	Ecology	206-438-3089
Mihalic, Mike	WHC/HSFP	509-376-5391
Peterson, Robert	WHC/Geosciences	509-376-5858
Powers, Edward	WHC	509-373-2774
Witczak, Joseph	Ecology	206-438-7556

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Attachment #4

183-H Solar Evaporation Ponds
Unit Managers Meeting
July 23, 1990
Federal Building, Room G-59
Richland, WA

Agenda

12:00 pm

No agenda was made up for this meeting

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