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Meeting Minutes Transmittal - Approved

Unit Managers Meeting
304 CONCRETION FACILITY
FEDERAL BUILDING, RM 784-A
Richland, Washington

Meeting Held March 6, 1995
From 8:00 am to 9:30 am

Via video teleconference

The undersigned indicate by their signatures that these meeting minutes reflect the actual occurrences of the above dated Unit Managers Meeting.

Ellen Mattlin
Date: 6-1-95
Ellen M. Mattlin, Unit Manager, RL

Not Present

Date: _____
Daniel L. Duncan, RCRA Program Manager, EPA Region 10

Scott E. McKinney
Date: 5/23/95
Scott E. McKinney, Unit Manager, Washington State Department of Ecology

304 Concretion Facility, WHC Concurrence

Fred A. Ruck III
Date: 6/1/95
Fred A. Ruck III, Contractor Representative, WHC

Ivan L. Metcalf
Date: 6/6/95
Ivan L. Metcalf, Contractor Representative, WHC



Purpose: Discuss Permitting Process

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

Attachment 1 - Agenda

Attachment 2 - Summary of Discussion and Commitments/Agreements

Attachment 3 - Attendance List

Attachment 4 - Action Items

Attachment 5 - Photographs of Sampling at the 304 Concretion Facility

Attachment 6 - Cross-section of sampling at the Trench

Attachment 1

**Unit Managers Meeting
304 CONCRETION FACILITY
FEDERAL BUILDING, RM 784-A
Richland, Washington**

**Meeting Held March 6, 1995
From 8:00 am to 9:30 am**

Via video teleconference

Agenda

1. Approval of Past UMM Minutes
2. Status Action Items
 - 12-13-94:1 Letter confirming approval of the SAP (Ecology)
3. Status Closure Activities
 - Status of RL/WHC 304 Close-out Letter
 - Status of Sampling Activities
 - Status of Closure Plan Rev 2A
4. New Business
5. Set Next Meeting Date

Attachment 2

Unit Managers Meeting
304 CONCRETION FACILITY
FEDERAL BUILDING, RM 784-A
Richland, Washington

Meeting Held March 6, 1995
From 8:00 am to 9:30 am

Via video teleconference

Summary of Discussion and Commitments/Agreements

1. Approval of Past UMM Minutes

It was not possible to approve the November 22, 1994; December 13, 1994; and January 18, 1995 meeting minutes at this video teleconference. The UMM for February 1995 was not held.

2. Status Action Items

12-13-94:1 Letter confirming approval of the SAP (Ecology)

WHC (J. G. Adler) reported that Ecology's Sampling and Analysis Plan confirmation letter had been received by RL and WHC.

This action is closed.

3. Status Closure Activities

- Status of RL/WHC 304 Close-out Letter

Ecology (S. E. McKinney) stated that Ecology had received the 304 Close-out letter. Ecology took an action (Action Item 3-6-95:1) to review and respond to the letter and attached notice of deficiency (NOD) response tables.

Ecology, WHC (J. G. Adler) and GSSC (J. K. Bartz) discussed to whom the Ecology response should be addressed since the RL Unit Manager (E. M. Mattlin) is on short-term leave. It was determined that the letter should continue to be addressed to E. M. Mattlin.

- Status of Sampling Activities

WHC (J. G. Adler) updated Ecology on the status of sampling at the 304 Facility. Concrete, asphalt and soil sampling started on January 19, 1995 and were completed on February 2, 1995. All concrete core, concrete chip, and asphalt core samples were collected successfully. Of the 27 soil samples (9 sampling locations, each with 3 sampling

intervals), it was not possible to collect 1 of the samples due to the presence of rocks.

Soil Sampling Problem

The composition of the soil at the 304 Concretion Facility made collecting the soil samples difficult. The best description of the "soil" under the 304 Concretion Facility is that it is a mixture of sand, gravel and rocks. The rocks prevented the auger from cleanly collecting a soil sample. The rocks often had to be removed by hand and, in some cases, some of the soil sample was collected by hand using a spoon. The two photographs (attachment 5) show sampling of the outside storage pad expansion joint (joint between the two concrete pads). This sampling took place on January 23, 1995.

The upper photo shows the pile of rocks removed during collection of the 0 to 6 inch interval soil sample. The rocks ranged in size from smaller than a human fist to about thumb size. The lower photo shows the sampler with his hand in the sample hole to remove a rock. This occurred during collection of the 6 to 18 inch interval soil sample. Note that over the sampler's normal protective clothing he is wearing an additional rubber glove and has his arm encased in plastics.

Radiological concerns were addressed before the sampler was allowed to put his hand and arm into the sample hole. The HPT checked the top and bottom of the core and dirt from the sample hole for radiation. If none was present, the sampler was allowed to proceed.

As stated earlier, it was not possible to collect the soil sample from the Trench sampling location in the bottom (18 to 24 inch) interval. Attachment 6 shows a cross section of the Trench. Large rocks prevented the auger from being able to collect any soil sample at the 18 to 24 inch interval. The samplers felt that these rocks were somewhat larger than the rocks encountered previously.

Hand clearing of the rock(s) was considered. To clear the rocks from the Trench sample location, one of the samplers would have to lain in a prone position within the Trench with the sampler's arm in the sample hole. It was decided not to allow the sampler's to hand clear the rocks for the following reasons:

- The Trench has a much higher radiological background than the rest of the building. Lying in the Trench could potentially expose the sampler to an unknown, but higher, radiation dose than would normally be expected for working in the 304 Concretion Facility.
- Higher potential for a radiological skin contamination to occur. Water from the core operation and any radioactive concrete cuttings had formed a puddle in the Trench.
- A nearby sample location (east building exterior soil sample from under the exterior asphalt pad) had been successfully collected at all 3 intervals (see attachment 6). Also, the 0 to 6 inch and 6 to 18 inch interval samples from the

Trench were collected successfully. This will provide a good indication of contamination present and, when analyzed, if re-sampling is required.

In summary, the WHC personnel directing the sampling (J. G. Adler and J. L. Wright) felt that sufficient data would be available to clean close the site, and that it was not worth the potential health and safety risk to the samplers trying to collect the Trench 18 to 24 inch interval soil sample.

Ecology (S. E. McKinney) agreed with the actions taken and conclusion that 26 of the 27 soil samples should provide sufficient information to characterize the soil. Also, if contamination is found, RL and WHC will consult with Ecology in evaluating the data to determine if another attempt should be made to collect the missed sample. These events are recorded in the logbooks and will be included in the narrative on the sampling that will be part of the sampling report.

General Summary of the Sampling

When considering the entire operation, WHC (J. G. Adler) stated that the above discussion overstates the difficulty in sampling at the 304 Facility. The coring went very well, as did the on-site crushing of the concrete cores for volatile organics analyses. The gravelly soil made soil sampling difficult but not impossible. Except for the one soil sample discussed above, there was sufficient material available for the soil samples.

Radiological Counts on Samples

Ecology (S. E. McKinney) asked if radiological counts were found when the soil and concrete core samples were collected. This can be used as a screening tool to determine if mixed waste had entered the environment. WHC (J. G. Adler) responded that the concrete cores showed radiological counts as expected based on the radiological survey of the 304 Facility. As reported at the January 18, 1995 UMM, the radiological counts on some of the cores made them difficult to ship. The counts were generally from the top of the cores with the bottoms being clean. However, at least one core had a higher count at the bottom than on the top.

WHC reported that, generally, the soils did not show any radiological counts above background during field screening. This may indicate little or no dangerous waste contamination in the soil. The analytical data are needed before any conclusions can be drawn.

Preliminary Data from the Concrete Volatile Analyses.

WHC (J. G. Adler) reported that preliminary, un-validated data for the concrete organics analysis had been received. The preliminary analysis did not find any of the volatile organic constituents of concern in any of the samples.

One sample did identify some unexpected volatile organics, including methyl isobutyl ketone (MIBK) and 2-propanol, among others. None of the unexpected organics were part of the 304 Facility constituents of concern. It is interesting to note that asphalt was being laid down adjacent to the building when this sample was collected. WHC believes these organics could be linked to the asphalt.

GSSC (J. K. Bartz) stated the detection of the unexpected organics probably originating in the asphalt may be an indication of the sensitivity of the sample preparation and analysis methodology. The ability to detect and report those unexpected organics may be taken as a positive indication that the methodology would have detected any organic constituents of concern had they been present.

Development of Deliverables

Ecology (S. E. McKinney) asked when the analytical results were expected. WHC (J. G. Adler) responded with the following schedule:

Preliminary un-validated data	Mid- to late-March
Validated data	Late May
Copy of validated data to Ecology	Late May/early June
Sampling Report to Ecology	Late July/early August

- Status of Closure Plan Rev 2A

WHC (J. G. Adler) reported on the status of Revision 2A to the 304 Concretion Facility Closure Plan. At the last UMM, Ecology requested an advance copy of the page changes. A polished draft will be available this week and will be sent to Ecology (Action Item 3-6-95:2). The page changes are currently with WHC Media Services for technical editing and document assembly. The page changes will be transmitted to RL on March 17, 1995. Ecology can expect to receive the page changes in early April.

4. New Business

- Administrative Record

GSSC (J. K. Bartz) raised the issue of checking the Administrative Record for completeness and accuracy. WHC (J. G. Adler) stated that this had been done for previous units and was planned for the units going into the A-prime revision of the Hanford Facility Site-wide Permit. Ecology (S. E. McKinney) indicated that Ecology desired to check their files against the list of documents from the Administrative Record. WHC (J. G. Adler) took an action (Action Item 3-5-95:3) to provide Ecology with a copy of the Administrative Record document list. The list will be sent over to Ecology before the next UMM.

5. Set Next Meeting Date

The next Unit Manager's Meeting has been tentatively scheduled for April 12, 1994, in Richland, WA.

Attachment 3

Unit Managers Meeting
304 CONCRETION FACILITY
FEDERAL BUILDING, RM 784-A
Richland, Washington

Meeting Held March 6, 1995
From 8:00 am to 9:30 am

Via video teleconference

If a stenographer is present to take detailed notes of the proceeding of this meeting, these notes will be used for the sole purpose of preparing the meeting minutes. After the meeting minutes are finalized, the stenographer's notes will be destroyed.

If any attendees has objects with this approach, they should voice these objections at this time.

Attendance List

Name	Organization	Phone #
Jason Adler	WHL	376 7513
Jean K. Wartz	GSSC	372-2008
John A. Remalce	WHL	372-1462
Mark R. Hahn	DOE-KL	373-9872
via tele conf.		
S. E. McKinney	 Biology	?

Attachment 4

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Action Items

<u>Action Item #</u>		<u>Description</u>
12-13-94:1	CLOSED 3/6/95	Prepare a letter confirming approval of the SAP. Ecology (S. E. McKinney)
3-6-95:1	NEW 3/6/95	Review and provide response to RL/WHC 304 Close-out letter. Ecology (S. E. McKinney)
3-6-95:2	NEW 3/6/95	Provide Ecology with a advance copy of Rev 2A. WHC (J. G. Adler)
3-6-95:3	NEW 3/6/95	Provide Ecology with a copy of the Administrative Record document list. WHC (J. G. Adler)

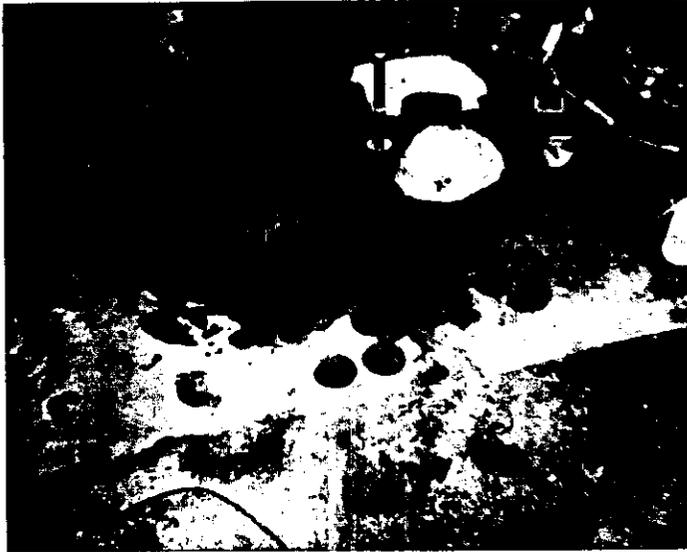
Attachment 5

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TITLE - PHOTOGRAPHS OF SAMPLING AT THE 304 CONCRETION FACILITY



1-23-95



1-23-95

Attachment 6

Unit Managers Meeting
304 CONCRETION FACILITY
FEDERAL BUILDING, RM 784-A
Richland, Washington

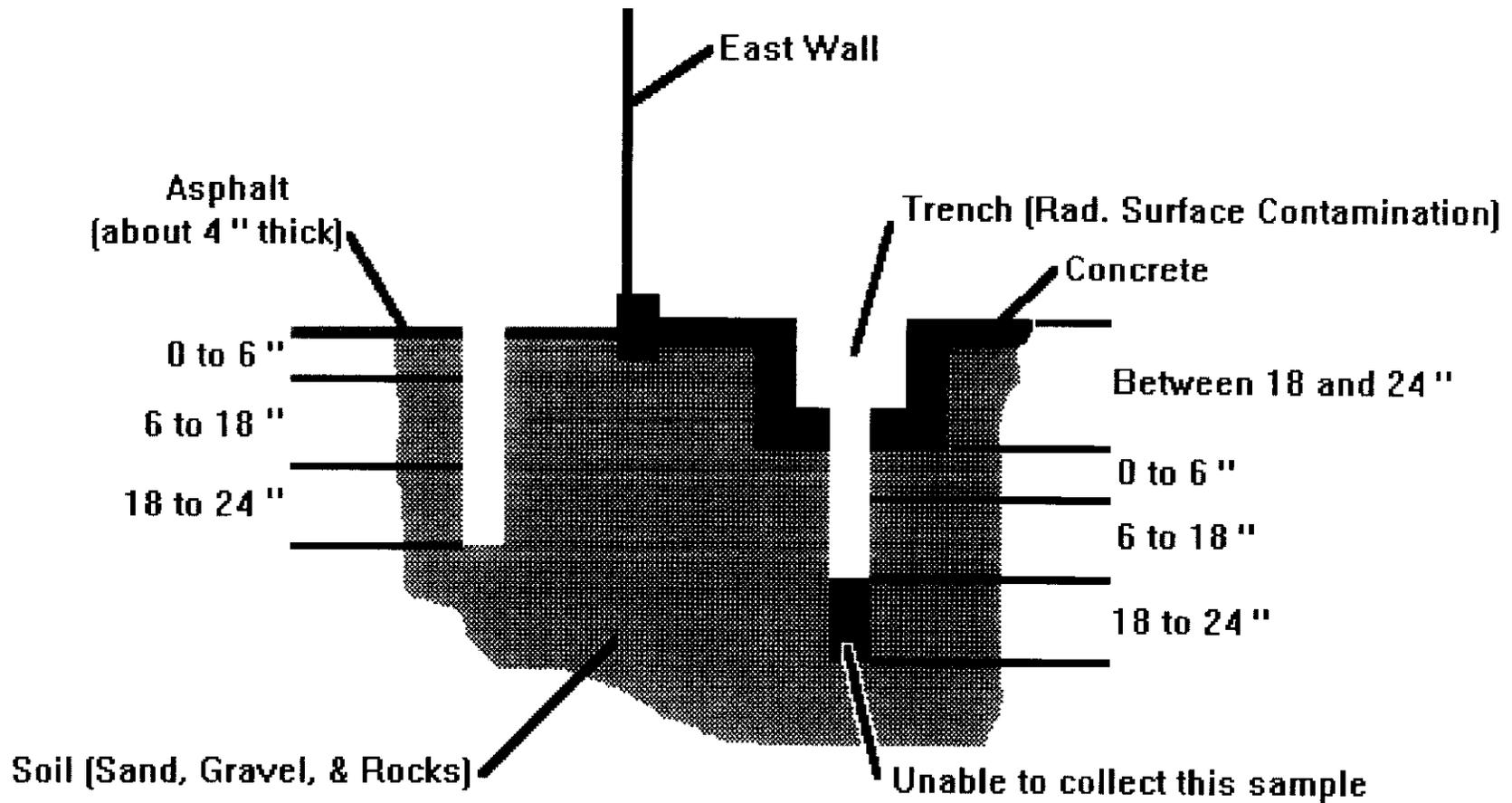
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TITLE - CROSS-SECTION OF SAMPLING AT THE TRENCH

Fig. 1, Cross-section of 304 Sampling.

Not to scale



Distribution:

J. G. Adler	WHC	H6-23
J. K. Bartz	GSSC	R3-82
R. M. Carosino	RL	A4-52
D. L. Duncan	EPA	Seattle - HW-106
M. N. Jaraysi	Ecology	B5-18
A. B. Joy	RL	R3-79
P. J. Mackey	WHC	B3-15
E. M. Mattlin	RL	A5-15
S. E. McKinney	Ecology	Lacey
I. L. Metcalf	WHC	L6-26
S. M. Price	WHC	H6-23
D. E. Rasmussen	WHC	N1-47
J. A. Remaize	WHC	L6-26
F. A. Ruck III	WHC	H6-23
J. L. Waite	WHC	B2-35
RCRA File/GHL	WHC	H6-23
Field File Custodian	WHC	H6-08

ADMINISTRATIVE RECORD: 304 Concretion Facility, TS-3-2, [Care of EDMC, WHC (H6-08)]

Washington State Department of Ecology Nuclear and Mixed Waste, Hanford Files, P.O. Box 47600, Olympia, Washington 98504-7600

Environmental Protection Agency Region 10, Seattle, Washington 98101, Record Center, Mail Stop HW-074

Please send comments on distribution list to Kym D. Tartar (H6-23), (509) 373-4701