

## Meeting Minutes Transmittal - Approved

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

Meeting Held October 12, 1995  
 From 9:30 am to 11:00 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 M. Mattin* Date: 12/20/95  
 Ellen M. Mattin, Unit Manager, RL

Not Present Date: \_\_\_\_\_  
 Daniel L. Duncan, RCRA Program Manager, EPA Region 10

*Scott E. McKinney* Date: 11/30/95  
 Scott E. McKinney, Unit Manager, Washington State Department of Ecology

304 Concretion Facility, WHC Concurrence  
*Fred A. Ruck III* Date: 12/15/95  
 Fred A. Ruck III, Contractor Representative, WHC

*John L. Metcalf* Date: 12-18-95  
 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 - DSI for transmittal of raw sample data
- Attachment 6 - PE Certification



Attachment 1

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

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Agenda

1. Approval of Past UMM Minutes
2. Status Action Items
  - 9-12-95:1 Raw Data To Ecology
3. Status Closure Activities
  - Status of Closure Activities and Data Evaluation Report
  - Status of PE Certification
  - Status of Future Meetings
4. New Business
5. Set Next Meeting Date

## Attachment 2

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

Meeting Held October 12, 1995  
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### Summary of Discussion and Commitments/Agreements

#### 1. Approval of Past UMM Minutes

The June 20, 1995 and July 18, 1995 meeting minutes have been issued. The May 24, 1995 meeting minutes have been approved and issued. The August 18, 1995 and September 12, 1995 meeting minutes have been reviewed, but not approved. Approvals will be handled via the mail.

#### 2. Status Action Items

- 9-12-95:1 WHC to send raw data to Ecology. WHC (J. G. Adler)

The raw data was transmitted on September 20, 1995. Ecology (S. E. McKinney) acknowledged receipt of the data. As documentation, the transmittal dsi is attached to these minutes (attachment 5). Additional copies of the raw data can be obtained by contacting WHC (J. G. Adler at 509-376-7513 or F. A. Ruck III at 509-376-9876).

This action is closed.

#### 3. Status Closure Activities

- Status of Decontamination, Sampling, and Data Evaluation Report

WHC (J. G. Adler) reported that the *304 Concretion Facility Closure Activities and Data Evaluation Report*, WHC-SD-EN-TI-301, signed by RL and transmitted to Ecology. Ecology (S. E. McKinney) acknowledged the receipt of the report. WHC asked if Ecology had any questions on the report. Ecology stated that there were none at this time.

Ecology stated that they would prepare a letter to RL/WHC addressing the anomalous lead value identified in the sample report. While the anomalous lead value has been resolved at the UMMs, this letter will document that Ecology is aware of the anomaly and has addressed it.

- Status of PE Certification

WHC (J. G. Adler, F. A. Ruck III) discussed the PE certification (attachment 6) of the closure activities with Ecology. WHC stated

that the PE's findings were all minor in nature and had been discussed, either directly or indirectly, at previous UMMs. WHC asked if Ecology had any questions on the PE certification. Ecology (S. E. McKinney) stated that there were none at this time.

Scheduling of the certification by WHC and RL was discussed. Certification should be completed by late October.

**- Status of Future Meetings**

WHC (J. G. Adler) asked if Ecology felt that the 304 UMMs could now be terminated. Ecology (S. E. McKinney) stated that one more meeting was desired after receipt of the closure certification. After a short discussion, it was agreed to hold the next UMM on November 30, 1995.

**4. New Business**

None.

**5. Set Next Meeting Date**

The next Unit Managers' Meeting has be tentatively scheduled for November 30, 1995 in Richland, WA.



Attachment 4

Unit Managers Meeting  
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Action Items

<u>Action Item #</u>	<u>Description</u>
9-12-95:12 CLOSED 10/12/95	RL/WHC to send DSI to Ecology with single copy of raw data, plus a copy of the DSI without the data would be sent to Ecology-Kennewick. WHC (J. G. Adler)

Attachment 5

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

Meeting Held October 12, 1995  
From 9:30 am to 11:00 am

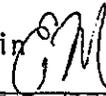
Via video teleconference

TITLE - DSI FOR TRANSMITTAL OF RAW SAMPLE DATA

DON'T SAY IT --- Write It!

DATE: September 20, 1995

TO: S. E. McKinney Ecology-Lacey

FROM: E. M. Mattlin  A5-15

Telephone: 509-376-2385

cc w/o encl:

J. G. Adler	H6-23
M. N. Jaraysi	B5-18
S. K. Johnansen	B1-43
J. A. Remaize	L6-18
F. A. Ruck III	H6-23

SUBJECT: TRANSMITTAL OF RAW SAMPLING DATA FROM THE 304 CONCRETION FACILITY SAMPLING ACTIVITIES

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Per the agreement at the September 12, 1995 304 Concretion Facility UMM, the raw sampling data from the 304 Concretion Facility sampling activities is attached. This submittal meets the requirement of the Hanford Facility RCRA Permit (Dangerous Waste Portion) permit condition V.11.B.b for transmittal of the raw data to Ecology.

This submittal contains the following attachments:

1. 304 Concretion Facility: Sample Numbers in Numerical Order
2. Concrete Sample Point - 304 Concretion Facility, WHC-SD-WM-DP-096
3. Miscellaneous Documents: Total Activity Analysis, Chain of Custody, Request for Special Analysis, and Offsite Radioactive Shipment Records
4. Sample Data Group LK3689
5. Sample Data Group LK3706
6. Sample Data Group LK3723
7. Sample Data Group LK3748
8. Sample Data Group LK3764

If there are any questions, please call me or Mr. Jason Adler of WHC on 509-376-7513.

Attachment 6

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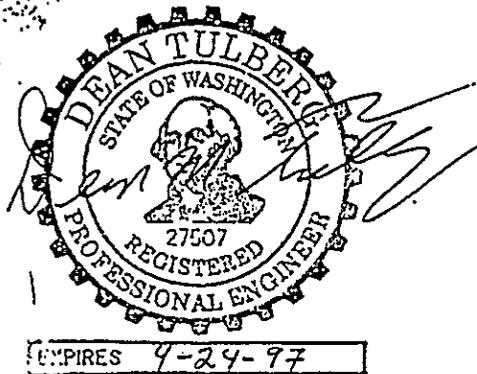
TITLE - PE CERTIFICATION

PROFESSIONAL ENGINEER'S CERTIFICATION STATEMENT--  
304 CONCRETION FACILITY CLOSURE PLAN CERTIFICATION

I, the undersigned, an independent registered Professional Engineer, hereby certify that I have reviewed the approved Closure Plan and supporting closure documentation for the 304 Concretion Facility Closure Plan, and to the best of my information and belief, closure activities were performed in accordance with the specifications in the approved closure plan, except as discussed in the attached Specifications and Limitations of Professional Engineer's Certification. This certification is based solely on a review of documents as described in the attached Specifications and Limitations of Professional Engineer's Certification, and on the periodic observations of closure activities by me and/or my representative.

The above statements are true and complete to the best of my knowledge and within the limits of professional judgment under the prevailing standards of practice on this 28th day of September, 1995.

Dean M. Tulberg, P.E.  
Washington #27507  
Foster Wheeler Environmental Corporation



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SPECIFICATIONS AND LIMITATIONS OF  
PROFESSIONAL ENGINEER'S CERTIFICATION

304 CONCRETION FACILITY CLOSURE PLAN CERTIFICATION

Pursuant to the 304 Concretion Facility Closure Plan, decontamination of dangerous waste constituents was performed between August 3, 1994 and September 30, 1994. Sampling to verify the effectiveness of the facility decontamination was initiated on December 13, 1994 and was completed on February 2, 1995.

The approved Closure Plan, copies of field logbooks, validation data packages for the analytical results from sampling of the 304 Concretion Facility, and a copy of the 304 Concretion Facility Closure Activities and Data Evaluation Report (WHC-SD-EN-TI-301, Rev. 0) were provided to Dean M. Tulberg, P.E., of Foster Wheeler Environmental Corporation (Foster Wheeler) by Jason G. Adler of Westinghouse Hanford Company (WHC) RCRA Unit Closures. These documents were represented in conversations with Mr. Adler of WHC to be the full, accurate, complete, and representative record of closure activities at the 304 Concretion Facility as performed by WHC staff and contractors. (See attached list of documents reviewed.) Mr. Tulberg and/or his representative from Foster Wheeler performed periodic observations of closure activities. A logbook of on-site observations was kept by Foster Wheeler.

Mr. Tulberg's review was limited to those documents provided to Foster Wheeler by WHC, and the logbook kept by Foster Wheeler. The review was conducted to determine if closure activities were performed in accordance with the specifications in the approved Closure Plan. No on-site supervisory or verification data collection activities were performed. Periodic site visits were performed to observe the decontamination and sampling activities.

During the course decontamination and subsequent sampling at the 304 Concretion Facility, some activities were not performed in full accordance with the requirements of the Closure Plan. A summary of the significant deviations from the Closure Plan are:

- Two areas, the trench and sump, were not able to be decontaminated successfully due to cement crumbling of the sides and floor. The two areas were vacuumed but not wiped.
- A high lead result was found in one of the soil samples from the trench. A discussion for considering this result an anomaly is provided in the 304 Concretion Facility Closure Activities and Data Evaluation Report.
- One of the south wall sample locations specified by the sampling plan was blocked by equipment. A field change was made to move the sampling location vertically down to the next sampling grid.
- One of the east wall sample locations specified by the sampling plan was on a section of wall covered by plywood. This section of the east wall divides the change room

from the main part of the 304 Building. Since there were no metal surfaces on that wall section, the wipe sample was collected from the plywood surface at the original location.

- The Closure Plan states: "The preparation of the concrete organic samples will be performed at the 222-S Analytical Laboratory" (page APP G-12, line 28). The concrete core samples destined for organic analysis were crushed in the field and the sample was collected following crushing. This was done because the 222-S Laboratory did not have the ability to handle solid cores. Cores were placed in a plastic bag, then wrapped in a cloth and crushed on-site. A sledge hammer was used to break the cores into pieces. In all cases, the plastic bag was penetrated when the cores were broken.
- The soil beneath the 304 Concretion Facility was generally unconsolidated material with rocks up to 3 inches across. These soil conditions required multiple cores to be collected to provide a sample sufficient for analysis. Rocks were removed from the samples by hand prior to filling sample containers. One soil sample planned for the trench area was not collected because the hole was obstructed by rocks and concerns for sampler safety (radiation exposure and radiological skin contamination) prevented clearing the rocks by hand or collecting the sample by hand.
- Some minor deviations were noted in validation packages for the sample results such as contamination of equipment blanks, matrix spike recovery outside acceptance criterion, and loss of temperature tracking on coolers.
- The Closure Plan states: "The water used during coring will be vacuumed and containerized to minimize cross contamination and displacement of volatiles" (page APP G-4, line 40 and page APP G-7, line 20). Matt Schwarz, the Professional Engineer's representative who assisted in field observations, noted in the Föster Wheeler logbook that water was not vacuumed. The reason given to Mr. Schwarz for not vacuuming was that the amount of water used was considerably lower than anticipated by the sampling plan. After coring the asphalt samples, the dirt below was found to be dry; therefore, the sampling team assumed that cross contamination from the water was not likely.
- The sample logbook (WHC-N-205 #30) contains a note that the chain of custody for sample BOD2B7 was broken. The sample was shipped for analysis even though custody had been broken.
- The Closure Plan states: "The soil beneath the storage pad and building floor will be authoritatively sampled in areas of potential pathways (e.g., cracks, expansion joints)" (page 7-7, line 31) and "Each separate potential pathway will be sampled at least once" (page 7-7, line 41). Mr. Schwarz identified two cracks in the floor by the south door. Figure G-2 of the Closure Plan only identifies one crack at this location. The identified crack was sampled and no contaminants of concern were reported above the Cleanup Performance Standard. The second crack, approximately

perpendicular to the crack sampled and parallel the south door near the expansion joint, was not sampled.

- The Closure Plan states: "A new pair of gloves will be used for each wipe sample" (page APP G-6, line 38). Mr. Schwarz noted in the Foster Wheeler logbook on December 13, 1994 the following:

Note Field Change:

- 2 pair latex gloves used in sampling instead of canvas gloves.
- Outer gloves will be changed only when changing locations, not per sample.

#### DOCUMENTS REVIEWED

- 1) *304 Concretion Facility Closure Plan*, DOE/RL-90-03, Rev. 2A
- 2) *304 Concretion Facility Closure Activities and Data Evaluation Report*, WHC-SD-EN-TI-301, Rev. 0
- 3) Transmittal letter from J.M. Jones, LATA, to Karl Pool, WHC, and accompanying report, *Data Validation Report for 304 Concretion Facility Closure, SDG LK3689-LAS-023 LATA VW403.25*, dated April 11, 1995
- 4) Transmittal letter from J.M. Jones, LATA, to Karl Pool, WHC, and accompanying report, *Data Validation Report for 304 Concretion Facility Closure, SDG LK3723-LAS-025 LATA VW403.26*, dated April 18, 1995
- 5) Transmittal letter from J.M. Jones, LATA, to Karl Pool, WHC, and accompanying report, *Data Validation Report for 304 Concretion Facility Closure, SDG LK3706-LAS-030 LATA VW403.28*, dated April 21, 1995
- 6) Transmittal letter from J.M. Jones, LATA, to Karl Pool, WHC, and accompanying report, *Data Validation Report for 304 Concretion Facility Closure, SDG LK3748-LAS-032 LATA VW403.27*, dated May 2, 1995
- 7) Transmittal letter from J.M. Jones, LATA, to Karl Pool, WHC, and accompanying report, *Data Validation Report for 304 Concretion Facility Closure, SDG LK3764-LAS-028 LATA VW403.31*, dated May 17, 1995
- 8) Transmittal letter from J.M. Jones, LATA, to Karl Pool, WHC, and accompanying report, *Data Validation Report for 304 Concretion Facility Closure, SDG WHC-SD-WM-DP-096, Rev.0, LATA VW403.30*, dated May 19, 1995

- 9) Copy of Field Logbook No. WHC-N-205 #30, Pages 32, 33, 35-70
- 10) Copy of Field Logbook kept by Janet L. Wright, Pages 7-19
- 11) Foster Wheeler Logbook kept by Matt Schwarz, Foster Wheeler, Professional Engineer's representative.

Distribution:

J. G. Adler	WHC	H6-23
F. T. Calapristi	WHC	B3-35
R. M. Carosino	RL	A4-52
M. R. Hahn	RL	R3-79
M. N. Jaraysi	Ecology	B5-18
A. B. Joy	RL	R3-79
S. K. Johansen	GSSC	B1-42
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
Field File Custodian	WHC	H6-08
RCRA File	WHC	H6-23

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 Jaspn Adler (H6-23), (509) 376-7513.