

**Meeting Minutes Transmittal**

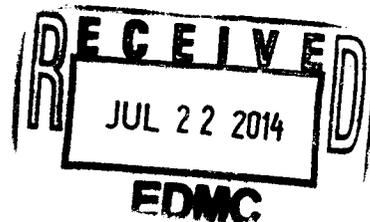
**LERF/200 Area ETF and WESF  
Project Managers Meeting  
825 Jadwin / Room 340  
Richland, Washington  
April 24, 2014**

The undersigned indicate by their signatures that these meeting minutes reflect the actual occurrences of the above dated Project Managers Meeting. Signatures denote concurrence with the content only and are not intended to imply agreement to any commitments.

  
 \_\_\_\_\_ Date: 6/26/14  
 Project Manager Representative, Ecology

  
 \_\_\_\_\_ Date: 6/26/2014  
 Project Manager Representative, RL

LWFS Administrative Record	H6-08
FW Bond	H0-57
MS Collins	A6-38
KA Conaway	H0-57
BJ Dixon	T3-11
RH Engelmann	H8-45
SK Johansen	T1-41
RL Long, Jr.	A5-15
VA Turner	A6-11
LC Petersen	S5-31
PT Saueressig	S5-31
FM Simmons	H8-45



LERF/200 Area ETF and WESF  
Project Managers Meeting Minutes  
825 Jadwin/Room 340/700 Area  
Richland, Washington

April 24, 2014

I. The February 13, 2014, Project Managers Meeting (PMM) minutes were approved and submitted to the Administrative Record (AR). There was no PMM held in March 2014.

II. Operational Status

A. Dave Watson (CHPRC) provided the operational status for the months of February and March 2014. Mr. Watson noted that no water was treated at ETF during February and March 2014, and that status will continue for a while longer. Mr. Watson stated that the exhaust fan being repaired at WESF had been insulated with asbestos on the outside, and the asbestos was removed and the exhaust fan repairs are continuing. Mike Collins (RL) requested a briefing at the next PMM on the modifications to the K-3 ventilation system at WESF. Mr. Watson responded that more detail will be provided at the next PMM.

Rick Bond (Ecology) referred to the repair of the G-Cell transfer cart, and inquired about the plans for the cells in WESF. Mr. Watson stated that the G-Cell will eventually be used for the capsule transfers out of the facility, and a lot of the cells will be stabilized. Mr. Bond asked if all of the cells are currently in the WESF permit. Mr. Collins responded that the hot cells are in the permit. Rick Engelmann (CHPRC) added that all of the hot cells are in the treatment, storage and disposal (TSD) boundary, and some of the pool cells are not. Mr. Bond stated that Ecology needs to know if there are plans to take some of the hot cells out of the permit. Mr. Bond noted Ecology continues to develop the conceptual agreement packages (CAPs), and eventually workshops with RL/CHPRC will be scheduled to discuss the CAPs and to begin modifying the permits so they follow the CAPs. Mr. Bond indicated that the workshops would be a good time to discuss any changes to WESF. Mr. Collins stated that it would depend on the timing, and modification of the K-3 ventilation system would likely occur ahead of the general permit modifications.

<b>LERF Basin Liquid Level, Inventory and Waste Received – February and March 2014</b>			
	<b>Basin 42</b>	<b>Basin 43</b>	<b>Basin 44</b>
Basin Liquid Level and Inventory on 2/2/2014	7.5 ft. ~1.62 Mgal	11.7 ft. ~2.9 Mgal	19.0 ft. ~6.03 Mgal
0 tanker shipments of lysimeter wastewater		~0 gallons	
6 tanker shipments of BP-5 perched water		~15,000 gallons	
ERDF transfers		~472,350 gallons	

\*The volumes in this table are estimated. Tanker shipment volumes are estimated by multiplying the number of shipments by the capacity of the tanker being used.

Effluent Treatment Facility treated ~ 0 Mgal of wastewater during February and March 2014.
200 Area Treated Effluent Disposal Facility (TEDF) received wastewater at an average flow of about 38 gpm during February and March 2014, based on TEDF Flow Totalizer information.

LERF/ETF/200 Area TEDF Activities:

- Treatment of wastewater is suspended due to heat exchanger issues.
- Engineering report assessing condition of the heat exchanger and recommendations are under review by DOE-RL.
- LERF basin cover cleaning activities are in progress (weather allowing).
- LERF basin cover inspections have revealed deficiencies in the covers in areas above the water level in the basins. Further inspections are under way as well as identifying plausible repair methods.
- Mitigation measures to deter birds from the LERF Basins have shown positive results.

WESF Activities:

- Repair of G cell transfer cart is in progress.
- Completion of roof repair (application of non-slip walkway material) to be completed in May.
- Repair of one of the facility's exhaust fans in progress after removing asbestos insulation.
- Planning for stabilization of portions of the facility along with modifications to the K-3 ventilation system has commenced involving engineering, safety and regulatory documentation.

III. Status of Previous Agreements and Commitments

- A. There were no previous agreements or commitments to status.

IV. New Agreements and Commitments

- A. There were no new agreements or commitments identified for discussion.

V. Near Term Schedules and Ongoing Activities (Milestones, TSD Unit)

- A. ST-4500, ST-4502 and ST-4511 Status

Mr. Collins stated that the ST-4500 permit is in review, and the comment response has been delayed slightly due to closure of the WSCF lab. RL is in the process of determining what the lab services and capabilities will be. Mr. Collins added that the comment response should be provided to Ecology within a few days. Mr. Bond stated that the ST-4500 permit should be fairly straightforward, Mr. Bond added that since the wells are going dry, the effluents will be sampled that go out of ETF and to the State Approval Land Disposal Site (SALDS). Mr. Bond noted that ETF is down and asked if there is any effluent in the holding tanks or if anything is going to SALDS. Ed McCarthy (CHPRC) responded that there are no current plans to discharge anything to SALDS.

Mr. Bond stated that the fact sheet for the ST-4500 permit will be sent to RL, and that Stacy Nichols (Ecology) indicated there are several numbers in the fact sheet that need updating. Stephanie Johansen (CHPRC) stated that Mark Bowman (CHPRC) transmitted the numbers to RL, and Mr. Collins will be forwarding the numbers to Ecology. Brett Barnes (CHPRC) stated that he has been working with Ms. Nichols, and that he had requested until today to gather all the ST-4500 permit comments into one document. Mr. Barnes added that once an internal discussion is held with RL to review the comments, a meeting will be scheduled with Ecology to discuss the comments. Mr. Bond stated that there is no rush to complete the permit, and indicated that it would be acceptable to schedule a meeting next week to discuss the comments. Mr. Collins noted that the comments would be provided to Ecology previous to the meeting. Mr. McCarthy stated that although there are no plans to send any verification water to SALDS, clarification was requested regarding any restriction on sending the water to SALDS. Mr. Collins responded

that there is no restriction. Mr. Bond added that the parties are continuing under the existing ST-4500 permit.

Mr. Bond stated that there was nothing new to discuss regarding the ST-4502 permit or the ST-4511 permit. Mr. Collins noted that there is a new automated system associated with the authorization for submittal of the discharge monitoring reports (DMRs). Mr. Bond stated that Ms. Nichols had been working on the new automated system, and asked how the system was working. Mr. Engelmann responded that there had been a change in CHPRC management at the facility, and the authorization had to be changed so the DMRs could be approved in the system. Mr. Barnes stated that a letter was submitted on April 16, 2014, providing the change in management and the authorization.

B. LERF Basin Maintenance

Mr. McCarthy reported that all of the bulk water has been pumped off the covers on Basin 42 and Basin 44. The mud is being removed from Basin 44, and so far 13,000 pounds of mud have been removed. Mr. McCarthy noted that the two main restrictions to cover cleanup are the weather (wind restrictions or rain) and RCT resources constraints. Mr. Bond asked about the status of the permit modification for the LERF control room monitoring. Mr. Collins responded that the permit mod was approved and the control room does not have to be manned 24 hours a day, seven days a week. Mr. McCarthy stated that the control room is still being manned because the procedures and controls have not been revised and implemented, and the process would take about two months.

Mr. McCarthy provided Mr. Bond with several photos to illustrate the types of deficiencies that have been identified on the covers. Mr. McCarthy stated that a closer inspection was conducted to grid out the covers in an effort to organize the deficiencies. Mr. Bond inquired about the types of deficiencies. Mr. McCarthy responded that some of the deficiencies are classified as a hole or a tear or a cut. Mr. McCarthy added that there are some types of abrasions noted, and it is not known whether they were caused by equipment, such as a hose, being dragged over the covers. The abrasions appear like a deflection upward and are no more than an inch or two in size.

Mr. McCarthy stated that a high resolution camera will be placed on a small tractor to send down and get a closer look at the covers. A statement of work is being submitted for the vendor who installed the covers, and the vendor will be coming out in a couple weeks and will provide repair options. Mr. McCarthy stated that a work package is being prepared for making repairs to the covers after the vendor has provided repair options.

C. Hanford Facility RCRA Permit Rev. 9 Update

Mr. Bond noted that he referenced the CAPs during the discussion on operational status for WESF. Allen Cawrse (CHPRC) asked if the revisions associated with the CAPs will be for Rev. 8C or Rev. 9 of the permit. Mr. Bond responded that it will be for Rev. 9, adding that it will be a couple years before Rev. 9 is issued.

D. 8C/Class 2 Modifications

Mr. Bond noted that Ecology is taking revisions to Rev. 8C with the two Class 2 permit modifications for LERF/ETF operations and LERF/ETF groundwater monitoring. Mr. Bond stated he just approved the 30-day extension letter request regarding the permit mod for LERF/ETF groundwater monitoring. Mr. Bond added that groundwater permit mod has been approved with the one exception on the IDW purgewater extension request. Mr. Engelmann asked if the approval includes the revised groundwater monitoring plan for LERF. Mr. Bond responded that it is included. Mr. Collins referred to the other permit mod for LERF/ETF operations, and stated that two clean copies of the permit mod are being formally transmitted to Mr. Bond, per his request.

VI. Approved Changes Signed Off in Accordance with TPA Section 12.2

A. There were no approved changes identified for discussion.

VII. General Discussion

A. There were no topics for general discussion.

VIII. Actions

A. There were no topics for general discussion

IX. Documents for Submittal to the Administrative Record

A. Ecology's approval letter regarding the LERF/ETF groundwater permit mod and the PMM minutes were identified for submittal to the AR.

X. Next Project Managers Meeting

A. The next PMM was scheduled for June 26, 2014.

**FEBRUARY AND MARCH 2014  
WESF/ETF/LERF/200 AREA TEDF OPERATIONS  
REPORT FOR THE APRIL 24, 2014 PMM**

LERF Basin Liquid Level, Inventory and Waste Received - Feb. & March 2014			
	Basin 42	Basin 43	Basin 44
Basin Liquid Level and Inventory on 2/2/2014	7.5 ft. ~1.62 Mgal	11.7 ft. ~2.9 Mgal	19.0 ft. ~6.03 Mgal
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**LERF/ETF/200 AREA TEDF ACTIVITIES:**

- Treatment of wastewater is suspended due to heat exchanger issues.
- Engineering report assessing condition of the heat exchanger and recommendations is under review by DOE-RL.
- LERF basin cover cleaning activities are in progress(weather allowing).
- LERF basin cover inspections have revealed deficiencies in the covers in areas above the water level in the basins. Further inspections are underway as well as identifying plausible repair methods.
- Mitigation measures to deter birds from the LERF Basins have shown positive results.

**WESF ACTIVITIES:**

- Repair of G cell transfer cart is in progress.
- Completion of roof repair (application of non-slip walkway material) to be completed in May.
- Repair of one of the facility's exhaust fan in progress after removing asbestos insulation.
- Planning for stabilization of portions of the facility along with modifications to the K-3 ventilation system has commenced involving engineering, safety, and regulatory documentation.



**Department of Energy**  
Richland Operations Office  
P.O. Box 550  
Richland, Washington 99352

14-ESQ-0072

APR 16 2014

Ms. J. A. Hedges, Program Manager  
Nuclear Waste Program  
State of Washington  
Department of Ecology  
3100 Port of Benton Boulevard  
Richland, Washington 99354

Dear Ms. Hedges:

**LETTER 14-NWP-044 AND EXTENSION OF DECISION OF CLASS 2 RESOURCE CONSERVATION AND RECOVERY ACT PERMIT MODIFICATION TO PERMIT ATTACHMENT 10**

- References: (1) Ecology ltr. to M. McCormick, RL, and J. Fulton, CHPRC, from S. Dahl, "Letter 14-ESQ-0018, from M. McCormick, USDOE, to J. A. Hedges, Ecology, "Transmittal of Proposed Class 2 Resource and Recovery Act (RCRA) Permit Modifications to Permit Conditions, Permit Attachments 8 and 10, and Groundwater Monitoring at the Hanford Facility Liquid Effluent Retention Facility and 200 Area Effluent Treatment Facility (LERF/ETF)," 14-NWP-044, dtd. March 26, 2014.
- (2) RL ltr. to J. A. Hedges, Ecology, from M. McCormick, "Transmittal of Proposed Class 2 Resource and Recovery Act (RCRA) Permit Modifications to Permit Conditions, Permit Attachments 8 and 10, and Groundwater Monitoring at the Hanford Facility Liquid Effluent Retention Facility and 200 Area Effluent Treatment Facility (LERF/ETF)," 14-ESQ-0018, dtd. December 26, 2013.

The U.S. Department of Energy Richland Operations Office (RL) as owner/operator and CH2M HILL Plateau Remediation Company (CHPRC) as the co-operator (hereinafter referred to as the Permittees) proposed Class 2 modifications to the general permit conditions related to groundwater, deletion of Permit Attachment 10, "Purgewater Management Plan" revision to Permit Attachment 8, "Well Maintenance and Inspection Plan" and revisions to unit specific conditions and addendum of the Liquid Effluent Retention Facility (LERF) and 200 Area Effluent Treatment Facility (ETF).

The State of Washington Department of Ecology (Ecology) extended the decision period for these Class 2 modifications for 30 days, until April 29, 2014. Reference (1). On April 8, 2014, Ecology agreed to make a permit decision on the other proposed Class 2 modification requests

Ms. J. A. Hedges  
14-ESQ-0072

-2-

APR 16 2014

(modifications to general permit conditions related to groundwater, revisions to Permit Attachment 8, and revisions to LERF/ETF conditions and addendum) by April 29, 2014. Also on April 8, 2014, representatives from Ecology and the Permittees met and agreed to extend the decision period for the proposed Class 2 modification to delete Permit Attachment 10 to allow for additional comment resolutions on this part of the modification request to May 29, 2014. The Permittees are consenting to this extension in accordance with Washington Administrative Code 173-303-830(4)(b)(vi)(G). The Permittees request further meetings to be scheduled with Ecology to resolve the comments related to Permit Attachment 10.

If you have any questions, please contact me, or your staff may contact Stacy L. Charbonneau, Assistant Manager for Safety and Environment, on (509) 373-3841.

Sincerely,



Mark McCormick  
Manager

ESQ:ACM

cc: F. W. Bond, Ecology  
S. L. Dahl-Crumpler, Ecology  
A. L. Prignano, Ecology  
J. R. Scaver, CHPRC  
E. R. Skinnarland, Ecology  
Administrative Record, TSD: S-2-8, H6-08  
Ecology NWP Library (Hardcopy)  
Environmental Portal, LMSI, A3-01  
HF Operating Record (J. K. Perry, MSA, H7-28)

**LERF/200 AREA, ETF, AND WESF  
Project Managers Meeting  
825 Jadwin / Room 340  
Hanford, Washington**

**April 24, 2014  
ATTENDANCE LIST**

Name	Organization	Phone Number
1. Stephanie Johansen	CHPRC	373-1031
2. Edward McCarthy	CHPRC	373-0094
3. Rick Engelmann	CHPRC	376-785-
4. Kathy Knox	Knox Court Reporting	946-5535
5. J Course	CHPRC	376-3143
6. Rick Bond	Ecology	372-7885
7. Richard Ham	CHPRC	2-2426
8. Brett M Barnes	CHPRC	521-3053
9. P. Sharon Badger	CHPRC	373-9797
10. David Watson	CHPRC ECO	373-3250
11. Michael Collins	DOE	376-6536
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**LERF/200 AREA ETF and WESF PROJECT MANAGERS MEETING**  
**825 Jadwin / Room 340**  
**Hanford, Washington**  
**April 24, 2014**

**9:00 a.m. to 9:30 a.m.**

**Agenda**

- I. The February 13, 2014, PMM minutes were approved by RL and Ecology representatives and submitted to Administrative Record. No PMMs were held in March 2014.
- II. Operational Status
- III. Status of Previous Agreements and Commitments
- IV. New Agreements and Commitments
- V. Near Term Schedules and Ongoing Activities (Milestones, TSD Unit)
  - A. ST-4500, ST-4502 and ST-4511 status
  - B. LERF Basin Maintenance
  - C. HF RCRA Permit Rev. 9 Update
  - D. 8C/Class 2 Mods
- VI. Approved Changes Signed Off in Accordance with TPA Section 12.2
- VII. General Discussion
- VIII. Actions

Unit	Description of Action	Status	Date
- IX. Documents for Submittal to the Administrative Record
- X. Next Project Managers Meeting