

Meeting Minutes Transmittal

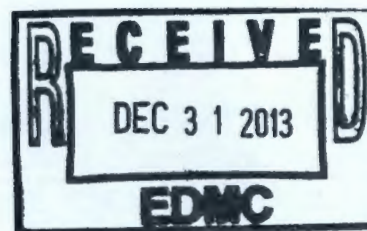
LERF/200 Area ETF and WESF
 Project Managers Meeting
 825 Jadwin / Room 554
 Richland, Washington
 October 24, 2013

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.

Frederick L. Bond Date: 19 Dec 2013
 Project Manager Representative, Ecology

[Signature] Date: 19 Dec 2013
 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
GL Pyles	A5-11
VA Turner	A6-11
LC Petersen	S5-31
DG Saucedo	S5-31



LERF/200 Area ETF and WESF
Project Managers Meeting Minutes
825 Jadwin/Room 554/700 Area
Richland, Washington

October 24, 2013

- I. The June 27, 2013, Project Managers Meeting (PMM) minutes were submitted to the Administrative Record (AR). The August 22, 2013, PMM minutes were approved by RL and Ecology and will be submitted to AR. There was no PMM held in September 2013, by agreement between RL and Ecology.

II. Operational Status

- A. Linda Petersen (CHPRC) stated that the operational status report was for the months of August and September 2013, and the TEDF value for July was also included, since it was not available for the August PMM. Rick Bond (Ecology) noted the difference in the average flow at TEDF in July (57 gpm) compared to August and September (73 gpm). Ms. Petersen responded that the amount of flow goes up and down. Ms. Petersen added that water flows into pump stations that pump the water from one location to another, and there is one pipeline that continuously trickles in a small amount of water into TEDF.

LERF Basin Liquid Level, Inventory and Waste Received – August & September 2013			
	Basin 42	Basin 43	Basin 44
Basin Liquid Level and Inventory on 10/1/2013	10.6ft. ~2.56 Mgal	8.1 ft. ~1.79 Mgal	18.5 ft. ~5.78 Mgal
10 tanker shipments of leachate from LLBG trenches 31 & 34			~70,000 gallons
6 tanker shipments of BP-5 perched water		~15,000 gallons	
1 tanker shipment of 105B transfer pit waste water			~4,200 gallons
ERDF transfers		~570,152 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 ~1.89 Mgal of wastewater during August and September 2013.
200 Area Treated Effluent Disposal Facility (TEDF) received wastewater at ~73 gpm during August and September 2013, based on TEDF Flow Totalizer information. Also the July average flow was ~57gpm (not available for August PMM)

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

Rick Engelmann (CHPRC) noted that the ST-4502 permit was recently renewed and is currently in effect. Mr. Bond stated that Ecology received a letter from RL agreeing to the 500,000 gallon per day maximum discharge limit for the ST-4511 permit. Mr. Bond indicated that his office is in the process of getting the ST-4511 permit out for public comment. Mr. Bond stated that the ST-4500 permit is basically completed and will probably go out for public comment in January 2014 (**see attached Rick Bond e-mail, dated 12/05/2013... "but it will most likely will not go out until April or May 2014"*) due to other activities in the Ecology office.

B. LERF Basin Maintenance

Ms. Petersen provided photos to illustrate the progress on the cleanup of the LERF basin covers. Cleanup of the covers was initiated last year due to mud, water, vegetation and larvae on the covers. Ms. Petersen stated that the current status is that all of the vegetation that can be reached has been removed from the basin 44 cover, and all of the bulk water has been removed from the three covers on basins 42, 43 & 44. Ms. Petersen stated that all of the vegetation had been removed from the basin 42 cover before moving to basin 44, and the vegetation grew back on 42 and is being removed again. Ms. Petersen noted that the vegetation grew back on 42 because the soil had not been removed, and the soil has now been removed. Ms. Petersen added that there are plans to apply herbicides, algacides and pesticides to the covers to deter the growth of vegetation and algae.

Work is currently under way to remove the mud from the covers. The original process for mud removal was to place the mud into totes, let the material settle, and then decant the water off the top. That process did not work because the material consisted of a fine particulate matter and did not settle. Ms. Petersen stated that a geotube is now being used to remove the mud and decant the water. Ms. Petersen noted that the geotube is not really a tube, and described it as more of a giant pillowcase made of heavy material. The geotube is filled with mud, and the water seeps out throughout the surface of the geotube into trenches along the sides of the geotube. Originally the geotube was filled to about six inches, but a new crane and rigging has been set up and allows the geotube to be filled up to 18 inches. Once the water drains out, the geotube is lifted by the crane and placed in a roll-on/rolloff box. The water is filtered and then placed back under the cover into the basin.

Ms. Petersen stated that all of the covers should be cleaned up by sometime in November 2013, if the milder weather continues. The cranes cannot be used if it's windy, and the water cannot be pumped if it is freezing.

C. Hanford Facility RCRA Permit Rev. 9 Update

Mr. Bond stated that there were no updates to report on Rev. 9, and it is slowly moving forward.

E. 8C Class 2 Mods

Jennie Seaver (CHPRC) provided an update on the Class 2 modifications to 8C. Ms. Seaver noted that comments were received via email from Ecology on the groundwater monitoring plan. RL/CHPRC are in the process of revising the groundwater monitoring plan, and the goal is to complete the revision and incorporation of Ecology's comments by next week. In lieu of initiating formal comment response again, RL plans to meet with Ecology to walk through the revisions to determine if the revised groundwater monitoring plan meets Ecology's needs and concerns.

Ms. Seaver stated that proposed language for updating the leachate monitoring and the flow totalizer versus the pump flow meter has been submitted to RL. Ms. Seaver noted that the proposed language was discussed with Ecology, and agreement on the language was reached.

Ms. Seaver provided an update on the LERF catch basin drawings (see action below). Mr. Bond initiated a discussion about whether or not the LERF drawings should be left in the permit. Ms. Seaver responded that the LERF drawings are identified in the permit as not enforceable and for information only. Ms. Seaver stated that RL's position is that drawings provided for information are not part of the permit, and RL/CHPRC have proposed striking the drawings from the permit. A meeting is scheduled with RL/CHPRC and Ecology on October 28, 2013, for further discussion on the subject.

Ms. Seaver noted that language has been proposed for drawings that are listed and included in the permit. The intent of the revised language is to ensure good configuration control by triggering a permit mod when revisions are made to a drawing and to include the current revision in the permit.

Ms. Seaver stated that the Class 2 modification package will likely be submitted in the mid-December 2013 time frame. Mr. Bond referred to the upcoming discussion about RL's request to remove the LERF catch basin drawings from the permit, and asked if that decision should be included as part of the Class 2 mods. Ms. Seaver responded that RL/CHPRC are asking Ecology to classify the change for removing the drawings, and the subject will be part of the discussion during the October 28, 2013, meeting. Ms. Seaver noted that it is unclear in the regulation whether removal of the drawings would be a Class 2 mod.

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. Ms. Petersen provided an update on the repairs to the heat exchanger in ETF. A meeting was held September 26, 2013, and RL/CHPRC informed Mr. Bond that another repair was done to the heat exchanger. During that meeting, Mr. Bond was briefed again on the previous repairs to the heat exchanger. Ms. Petersen stated that Mr. Bond had no issues regarding the planned repairs to the heat exchanger. Ms. Petersen noted that the briefing that was given to Mr. Bond regarding the June 2013 leak to the heat exchanger was attached to the August 2013 PMM minutes, and that she added the information on the additional leak to the briefing. The updated briefing on the leak to the heat exchanger will be attached to today's PMM minutes, which will be submitted to the AR.

Ms. Petersen stated that the agreement between RL and Ecology regarding the repairs to the heat exchanger was documented in the August 2013 PMM minutes, and the agreement remains in place for the latest repairs. Ms. Petersen stated the agreement as follows: It is agreed between DOE-RL and Ecology that a PE assessment is not necessary for the planned repairs, including installation of a clamp device and injection of silicone rubber, or other material, between the clamping device and the heat exchanger.

Ms. Petersen stated that repair to the recent leak in the heat exchanger was completed using a clamping device and injecting the leak with silicon. Ms. Petersen noted that the equipment is ready to be operational, but the facility is not being run at this time.

Ms. Seaver stated that Mr. Bond was given an update to the presentation regarding the LERF basin flow totalizers at the September 26, 2013 meeting. During the meeting, Mr. Bond was informed that all of the flow totalizers were repaired and back in service, and one of the out-of-service dates previously given was corrected. Stephanie Johansen (CHPRC) noted that the presentation on the issues with the flow totalizers was originally provided to Mr. Bond during the summer, and the presentation was attached to the August PMM minutes. It was agreed to attach the updated presentation from the September 26 meeting to today's PMM minutes to reflect the current status of the flow totalizers.

VIII. Actions

Unit	Description of Action	Status	Date
LERF/200 Area ETF	RL will send Ecology a letter with updated copies of catch basin drawings.	Action opened.	04/26/12
		Jennie Seaver (CHPRC) is following up on this action.	03/28/13
		CHPRC in the process of addressing this action.	5/23/13
		No status was provided.	8/22/13
		A permit change has been proposed to Ecology; follow-up meetings to be scheduled.	10/24/13

IX. Documents for Submittal to the Administrative Record

- A. The updated presentations regarding the heat exchanger and the flow totalizers were identified for submittal to the AR via today's PMM minutes.

X. Next Project Managers Meeting

- A. The next PMM was scheduled for December 19, 2013, on the bimonthly basis as agreed to between RL and Ecology.

Badbada, P S (Sharon)

From: Bond, Rick (ECY) <FBON461@ecy.wa.gov>
Sent: Thursday, December 05, 2013 11:02 AM
To: Badbada, P S (Sharon)
Subject: LERF/ETF Oct. 24, 2013 PMM Minutes

Sharon,

I reviewed the minutes and they look good. Two minor comments. Under V.B. LERF Basin Maintenance, second paragraph, second line, delete the "to" after material. In V.A. ST-4500, ST-4502, and ST-4511 Status, the last sentence says that it will probably go out for public comment in January 2014. I may have said that but it will most likely not go out until April or May 2014. If I said January, then we should not change it I but was wondering if there was some way to "update" it? If not, just leave it as it is. It's no big deal.

Thanks,

Rick Bond

Facility Transition Project Manager

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Nuclear Waste Program
3100 Port of Benton Blvd.
Richland, WA 99354
Mail Stop: HO-57
Phone: (509) 372-7885
Fax: (509) 372-7971
Email: fbon461@ecy.wa.gov

Leachate Monitoring Path Forward

- **LERF leachate totalizers have all been back in service since September 11, 2013**
- **Non-compliance was documented in the August LERF-ETF PMM**
- **Will submit a notification via annual noncompliance report (sitewide permit condition I.E.19)**
- **DOE-RL and Ecology are working on a RCRA permit modification allowing two methods for measuring leachate leakage and leak rate (totalizer and pump run time)**

Totalizer Repair History & Status

- **Basin 44 Totalizer out of service since 6-8-2011**
 - Correction from 6-20-2011 date previously reported
- **Basin 42 Totalizer out of service since 8-9-2012**
- **Basin 43 Totalizer out of calibration since May 2013**
 - reading two orders of magnitude (x100) high

During these times, the action leakage rate was being calculated via the pump run time with NO exceedences.

NOTE: The LERF/ETF portion of the Hanford RCRA permit specifies an action leakage rate of 2100 gallons/acre of wetted surface area/day. The ECO determined that action leakage rates since January 2008 have averaged less than 6 gallons/acre/day for Basins 42 and 44 and less than 25 gallons per acre per day for Basin 43, based on a 28-day rolling average.



PMM

**AUGUST & SEPTEMBER 2013
ETF/LERF/200 AREA TEDF OPERATIONS REPORT FOR
THE OCTOBER 24, 2013 PMM**

LERF Basin Liquid Level, Inventory and Waste Received - August & September 2013			
	Basin 42	Basin 43	Basin 44
Basin Liquid Level and Inventory on 10/1/2013	10.6 ft. ~2.56 Mgal	8.1 ft. ~1.79 Mgal	18.7 ft. ~5.88 Mgal
10 tanker shipments of leachate from LLBG trenches 31 & 34			~70,000 gallons
6 tanker shipments of BP-5 perched water		~15,000 gallons	
1 tanker shipments of 105B Transfer Pit waste water			~4,200 gallons
ERDF transfers		~294,300 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 ~ 1.89 Mgal of wastewater during August and September, 2013.

200 Area Treated Effluent Disposal Facility (TEDF) received wastewater at ~73 gpm during August and September 2013, based on TEDF Flow Totalizer information. Also, the July average flow was ~ 57 gpm (not available for August PMM)

What RCRA Permit Says About LERF Leachate Monitoring

Section C.5.6: “A flow meter/totalizer on the leachate return pipe measures fluid volumes pumped and pumping rate from the leachate collection sumps, and indicates volume and flow rate on local readouts...Leak detection is provided through inspections of the leachate totalizer readings.”

Section I.1.2.3.3: “A flow meter and totalizer measure the amount of leachate removed. An inspection is performed weekly where the totalizer reading and basin level reading are used to determine the leak rate per wetted surface area”



LERF/200 AREA, ETF, AND WESF
Project Managers Meeting
825 Jadwin / Room 554
Hanford, Washington

October 24, 2013
ATTENDANCE LIST

Name	Organization	Phone Number
1. Kathy Knox	Knox Court Reporting	946-5535
2. Rick Engelman	CHPRC	376-7485
3. Stephanie Johansen	CHPRC	373-1031
4. Gary Pyles	DOE-RL	376-2670
5. Brett M. Barnes	CHPRC	521-3053
6. Rick Bond	Ecology	372-7885
7. LINDA Petersen	CHPRC	373-4200
8. Jenne Saver	CHPRC	376-7510
9. P. Sharon Baltada	CHPRC	373-9792
10. BRIAN DIXON	CHPRC	via phone
11. PAUL W. MARRAS		376-6621
12. Allan Cawse	CHPRC	376-3143
13. RD H. Debrau	DOE	373-9626
14. LEE Tuott	CHPRC	376-1045
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LERF/200 AREA ETF and WESF PROJECT MANAGERS MEETING
825 Jadwin / Room 554
Hanford, Washington
October 24, 2013

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

Agenda

- I. The August 22, 2013, PMM Minutes are pending approval by RL and Ecology.
- 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
LERF/200 Area ETF	RL will send Ecology a letter with updated copies of catch basin drawings	Action opened.	4/26/12
		Jennie Seaver (CHPRC) is following up on this action.	3/28/13
		CHPRC in the process of addressing this action.	5/23/13
		No status was provided.	8/22/13

- IX. Documents for Submittal to the Administrative Record
- X. Next Project Managers Meeting