

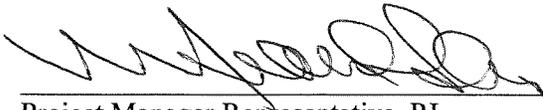
Meeting Minutes Transmittal

**LERF/200 Area ETF and WESF
Project Managers Meeting
825 Jadwin / Room 554
Richland, Washington
January 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.


Project Manager Representative, Ecology

Date: 28 March 2013


Project Manager Representative, RL

Date: 28 March 2013

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 554/700 Area
Richland, Washington

January 24, 2013

- I. The October 25, 2012 and the December 6, 2012 Project Managers Meeting (PMM) minutes were approved.
- II. Linda Petersen (CHPRC) provided the operational status for LERF/200 Area ETF for November and December 2012. Doug Hildebrand (RL) asked about starting up ETF. Ms. Petersen stated that ETF has been down since September 11, 2012, due to repairs to the evaporator heat exchanger, which is an ASME-certified pressure vessel (see discussion below under 5E). Ms. Petersen noted that the final repair is in the third-party testing stage. It is anticipated that ETF will start up by next week, and a campaign of about two to three weeks will be conducted out of Basin 43. Following that campaign, ETF will be down for planned repairs. Mr. Hildebrand stated that the Office of River Protection (ORP) is planning to start up the 242-A Evaporator for two campaigns this summer, and that RL/CHPRC need to coordinate with ORP to ensure space is available for the campaigns. Ms. Petersen indicated that the engineering group is usually notified, and she would confirm with engineering that they are aware of the upcoming 242-A Evaporator campaigns. Ms. Petersen agreed to send an email to Mr. Hildebrand verifying that engineering is aware of the campaigns.

LERF Basin Liquid Level, Inventory and Waste Received during October			
	Basin 42	Basin 43	Basin 44
Basin Liquid Level and Inventory on 01/01/2013	20.6 ft. and ~6.87 Mgal	11.2 ft and ~2.76 Mgal	18.0 ft and ~5.54 Mgal
3 tanker shipments of leachate from LLBG trenches 31 & 34			~21,000 gallons
1 shipment of water from the SW landfill Lysimeter tanker			~300 gallons
6 tanker shipments of BP-5 perched water		~15,000 gallons	
ERDF transfers		~186,530 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 no wastewater during the reporting period
200 Area Treated Effluent Disposal Facility (TEDF) received wastewater at ~42 gpm during November and December 2012, based on TEDF Flow Totalizer readings.

III. Status of Previous Agreements and Commitments

A. October Commitment – Discussion of LERF Replacement Pump with Ecology Management

Jennie Seaver (CHPRC) stated that several meetings have been held with Ecology to discuss the LERF replacement emergency pumps. Agreement has been reached with Ecology that the replacement pump will be classified as a Class 2 permit modification. RL/CHPRC are waiting for a response from Ecology regarding concerns with the language in terms of what information would be required in the

permit mod about the pumps, such as the pump capacity. Ms. Seaver stated that RL/CHPRC's position is the information about the pumps would be provided but not actually located in the permit, which would be consistent with other permits. Rick Bond (Ecology) stated that Andrea Prignano (Ecology) is working on the response about the language. Ms. Seaver suggested moving this topic under the agenda item for near term schedules and ongoing activities since the Class 2 permit modification package is an upcoming activity.

IV. New Agreements and Commitments

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

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

A. ETF Powder

Mike Collins (RL) stated that the rad limits and the powder are being monitored. Ms. Petersen stated that it is believed some of the Basin 44 powder is below Land Disposal Restriction (LDR) limits, and three powder samples are scheduled to be pulled next week to be sent to the lab for confirmation. Ms. Petersen added that due to the rad levels, the samples will have to be sent to an offsite lab.

B. ST4500 and 4502 Status

Mr. Bond indicated that the ST4500 permit should be issued for public comment in about two or three months. Mr. Bond noted that the ST4511 permit is in the public comment period until February 1, 2013, and it is not anticipated that there will be many comments. Once the ST4511 permit is issued, the focus will turn to ST4500.

Rick Engelmann (CHPRC) noted that the ST4502 permit for the 200 Area TEDF was renewed recently. Fen Simmons (CHPRC) provided an update regarding the situation that was encountered with the ST4502 permit. Mr. Simmons stated that a nitrate spike was observed in December 2012 that was well above the permit limit. The spike was related to WESF deep well pump testing and discharge to the TEDF. The well is completed in a portion of the aquifer with rising nitrate levels from a contamination plume. The plume is within the pump range, which is picking up the higher nitrate levels. RL/CHPRC met with Ecology yesterday to discuss a path forward. Mr. Simmons noted that the pump is only run once every two months, and a decision was made to continue for the next two or three pump tests and observe whether the nitrate spike continues. If the spike is still there, RL/CHPRC will meet with Ecology and negotiate a path forward. If the spike is not there, it will be business as usual. Mr. Simmons provided a handout to be attached to today's minutes that documents the agreement with Ecology regarding the nitrate spike.

C. LERF Basin Maintenance

Ms. Petersen provided a brief update on the LERF basin covers. During the December 2012 PMM, it was reported that cleanup on the Basin 42 cover was started first since it had less rad contamination and it was a good place to perfect the techniques and methods before moving to Basin 44. The methods for removal of vegetation, bulk filtration of water, and removal of mud/water slurries are being applied to Basin 42. Water was being removed from Basin 42, but the water pump-out fell behind due to the rain and limited availability of a crane crew. The procedure was revised so that pumping could continue 24/7, with crews going out every few hours to ensure there were no leaks from the pump containment, which is on secondary containment. The revised procedure was in place for a couple days,

and then the cold weather caused the water to freeze. Ms. Petersen noted that between the availability of the crane crew and the ice that cannot be pumped, the cleanup effort on the cover has been slowed.

Ms. Petersen reported that there have been no holes, rips or tears observed in the cover as cleanup has progressed, and that will be documented during inspection with photos. Ms. Petersen stated that a date to have the cleanup completed cannot be projected since the project is so weather-dependent at this point.

D. Hanford Facility RCRA Permit Rev. 9 Update

Ms. Seaver stated that RL received a letter from Ecology regarding the proposed path forward for the Rev. 9 permit, with a time frame of about a two-year schedule, with collaborative discussions, and a requirement to potentially resubmit the permit application material. Ms. Seaver indicated that it was not known whether Ecology's proposal would apply to the LERF/200 Area ETF permit. Mr. Bond stated that there shouldn't be any issues with the LERF permit, and it is not the cause of the holdup of Rev. 9. Ms. Seaver stated that the parties could now proceed with the Class 1 and Class 2 permit mods to Rev. 8C. RL/CHPRC and Ecology met on January 14, 2013 to discuss the upcoming Class 1 and Class 2 permit mods. Ms. Seaver suggested establishing an agenda item for Rev. 8C RCRA permit mods for tracking purposes.

Ms. Seaver stated that RL/CHPRC's intent is to target the pending Class 2 permit mod for mid-February 2013. Mr. Bond indicated that he would discuss the status of the Class 2 permit mod with Ms. Prignano today and provide a status to RL/CHPRC later today. Ms. Seaver noted that the main issue, in terms of the time involved, is the public involvement process, and it would be helpful to know the scope of the modification.

E. ETF Heat Exchange Repair

Mr. Engelmann reported that a discussion was held December 17, 2012 with Ms. Petersen and Mr. Bond, and it was agreed to document the discussion in today's minutes. Mr. Engelmann stated that a pinhole leak was discovered in the ETF evaporator heat exchanger, and pictures were provided to Ecology. The heat exchanger is an ASME Section 8 certified pressure vessel. It was determined that fatigue-induced cracks had formed in the shell of the heat exchanger (the pass partition plate). A portion of the interior of the pass partition plate was removed where it was welded to the outer shell. Repairs are being made where any defects, cracks or holes were found, and then the new sites that are found will be rewelded. A picture of the interior depicts where a portion of the plate has been cut away, and red dye can be seen in an area that is being inspected. Mr. Engelmann stated that the discussion with Mr. Bond was to confirm the understanding regarding the Professional Engineer (PE) certification requirements. Mr. Engelmann cited Washington Administrative Code (WAC) 173-303-643(a), which requires owners or operators of a new tank system or components of a system to have a PE assessment testing to the structural integrity of the tank. Mr. Engelmann stated that during the discussion with Mr. Bond, it was noted that the existing heat exchanger is being repaired rather than replaced, and it was concluded that a PE-certified assessment was not necessary.

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

A. There were no approved changes identified.

VII. General Discussion

A. There were no topics for 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	04/26/12
		CHPRC will provide the drawings within two months	06/28/12
		This action will be addressed after the Rev. 9 comment period has ended (Sept/Oct 2012 time frame).	08/23/12
		Jennie Seaver (CHPRC) will follow up on this action	10/25/12
		No new status	12/6/12
		The drawings are now being numbered and will be addressed under permit modifications to Rev. 8C. This action is closed	01/24/13

IX. Documents for Submittal to the Administrative Record

A. RL/CHPRC to verify that Ecology's letter to RL regarding the proposed path forward for the Rev. 9 permit was submitted to the AR.

X. Next Project Managers Meeting

A. The next PMM was scheduled for February 28, 2013.

**NOVEMBER & DECEMBER 2012
ETF/LERF/200 AREA TEDF OPERATIONS REPORT FOR
THE JANUARY 24, 2013 PMM**

LERF Basin Liquid Level, Inventory and Waste Received During Nov. & Dec. 2012			
	Basin 42	Basin 43	Basin 44
Basin Liquid Level and Inventory on 1/1/2013	20.6 ft. ~6.87 Mgal	11.2 ft ~2.76 Mgal	18.0 ft ~5.54 Mgal
3 tanker shipments of leachate from LLBG trenches 31 & 34			~21,000 gallons
1 shipment of water from the SW landfill lysimeter tanker			~300 gallons
6 tanker shipments of BP-5 perched water		~15,000 gallons	
ERDF transfers		~186,530 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 no wastewater during the reporting period.

200 Area Treated Effluent Disposal Facility (TEDF) received wastewater at ~42 gpm during November and December 2012, based on TEDF Flow Totalizer information.

Meeting minutes for meeting held on 1/23/13 to discuss discharging WESF deep well pump maintenance water to TEDF.

Attendees:

Fen Simmons, Stacy Nichols, Michael Collins, Bob Stordeur, Stephanie Johansen, Rick Bond, Al Cawrse, Linda Petersen, Paul Saueressig, Jim Rasmussen

Discussion,

In December 2012, a spike of high nitrate(20.4 mg/l as nitrogen) above the daily maximum was seen in the TEDF discharge. As was reported in the 5 day report email to Ecology on Dec. 17, 2012, this spike was associated with the deep well pump operation at the Waste Encapsulation and Storage Facility (WESF). Upon further review of the WESF pump operation and of the aquifer this deep well pumps from, it is now known that a nitrate plume has moved southeast into the WESF pump area. This means future pump discharges could show high nitrogen levels that may be above TEDF discharge limits of 0.62 mg/l monthly average or 1.24 mg/l daily maximum.

This pump is required to run for approximately 1 hour every other month with a discharge rate of 150 gpm (or approximately 10,000 gallons total discharge) to keep the deep well pump screens from plugging with sand. Screen plugging is a known problem as a sister pump approx. 90 feet away is now plugged and is no longer operable.

The following was presented:

For comparison, the DWS and GWQC limit is 10 mg/l as nitrate as nitrogen. The groundwater under TEDF is not a drinking water source (nor is this impacting the river quality).

The nitrate in the groundwater does extend below TEDF, but in much lower concentrations as at the WESF location.

The December run was approx 4 hours longer than typical, as compensation for missing some prior tests due to an unrelated technical issue, and occurred at a period when other TEDF flows were low.

It is normally expected that this 1 hr spike in the TEDF stream would be diluted by other flows.

This spike is not expected to be a significant contributor to the nitrate levels in the aquifer below TEDF.

Based on this information, Ecology suggested that CHPRC continue operations as normal and report back to them the nitrate levels seen in February. If higher than normal values are seen after two or three pump runs, then the situation will require re-evaluation with possibly a permit modification being requested.

LERF/200 AREA, ETF, AND WESF

Project Managers Meeting
825 Jadwin / Room 554
Hanford, Washington

January 24, 2013
ATTENDANCE LIST

Name	Organization	Phone Number
1.		
2. Kathy Knox	Knox Court Reporting	946-5535
3. Brian Dixon	CHPRC	376-7053
4. Rick Engelmann	"	376-7485
5. Stephanie Johansen	CHPRC	373-1031
6. GARY L. Pyles	DOE/RL	376-2670
7. Michael Collins	DOE-RL	376-6536
8. Joel Williams J.	CHPRC-EP	376-4782
9. RDN: Debra	DOE	373-9626
10. Jim Resmussen	YAHSGS/on phone	
11. LC Petersen	CHPRC-FGB	373-4200
12. Fran Simms	CHPRC	372-0413
13. Jennie Saver	CHPRC	376-7510
14. Bob Long	RL	6-7754
15. Lorna Dittmer	CHPRC	376-7017
16. Vanessa Turner	RL	376-5503
17. LEE Twott	CHPRC	376-1045
18. Al Cawise	CHPRC	376-3143
19. S. Badbaker	CHPRC/EP	373-9792
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LERF/200 AREA ETF and WESF PROJECT MANAGERS MEETING
825 Jadwin / Room 554
Hanford, Washington
January 24, 2012

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

Agenda

- I. October 25 and December 6, 2012, Project Manager Meeting (PMM) minutes are ready for signature.
- II. Operational Status
- III. Status of Previous Agreements and Commitments
 - A. October Commitment – Discussion of LERF replacement pump.
- IV. New Agreements and Commitments
- V. Near Term Schedules and Ongoing Activities (Milestones, TSD Unit)
 - A. ETF Powder
 - B. ST-4500 and ST-4502 status
 - C. LERF Basin Maintenance
 - D. HF RCRA Permit Rev. 9 Update
 - E. ETF Heat Exchange Repair
- 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
		CHPRC will provide the drawings within two months	6/28/12
		This action will be addressed after the Rev. 9 comment period has ended (Sept/Oct 2012 time frame).	8/23/12
		Jennie Seaver (CHPRC) will follow up on this action	10/25/12

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