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Meeting Minutes Transmittal

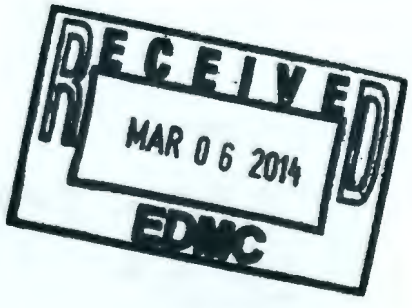
LERF/200 Area ETF and WESF
Project Managers Meeting
825 Jadwin / Room 554
Richland, Washington
December 19, 2013

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 W. Bond Date: 13 Feb. 2014
Project Manager Representative, Ecology

Date: 13 Feb 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
PG Ensign	A5-11
SK Johansen	T1-41
DR Pyzel	S5-31
VA Turner	A5-11
LC Petersen	S5-31



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

December 19, 2013

I. The October 24, 2013 Project Managers Meeting (PMM) minutes were approved. There were no PMMs held in November 2013, by agreement between RL and Ecology.

II. Operational Status

A. Linda Petersen (CHPRC) provided the operational status for the months of October and November 2013. Ms. Petersen noted that in response to an email from Rick Bond (Ecology), additional information was provided today regarding WESF activities.

LERF Basin Liquid Level, Inventory and Waste Received during October			
	Basin 42	**Basin 43**	**Basin 44**
Basin Liquid Level and Inventory on 12/1/2013	10.9 ft. ~2.66 Mgal	9.4 ft. ~2.17 Mgal	18.8 ft. ~5.93 Mgal
4 tanker shipments of leachate from LLBG trenches 31 & 34			~28,000 gallons
8 tanker shipments of BP-5 perched water		~20,000 gallons	
8 tanker shipments of BP-5 perched water		~20,000 gallons	
ERDF transfers		~407,840 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 ~ 0.64 Mgal of wastewater during October and November 2013.
200 Area Treated Effluent Disposal Facility (TEDF) received wastewater at ~60 gpm during October & November 2013, based on TEDF Flow Totalizer information

LERF/ETF/200 AREA TEDF ACTIVITIES:

- Basin 43 processing campaign through late January 2014
- Planned outage & LERF basin cover cleaning activities (weather allowing)
- Planned Basin 44 processing campaign

WESF ACTIVITIES:

- Planned repair of G cell transfer cart

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.

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

A. ST4500, 4502, and ST-4511 Status

Mr. Bond stated that the ST-4511 permit has been issued, and his office is working on the ST-4500 permit. Mr. Bond noted that the ST-4500 permit needs minor revisions regarding the water that goes out to the State Approved Land Disposal Site (SALDS) from ETF and the monitoring wells that are going dry. Ms. Petersen stated that the information that had been presented to Ecology was on the basis that two monitoring wells were going dry. Ms. Petersen noted that one well has gone dry, and then the pump and treat system started up, which temporarily raised the level a small amount. Ms. Petersen added that it is still believed that the level in the second well will go down and the well will eventually go dry. Mr. Bond stated that the two monitoring wells will not be replaced, and language will be incorporated into the ST-4500 permit stating that the effluent going out to the SALDS will be monitored to ensure compliance. Mr. Bond indicated that the time frame for the ST-4500 permit to go out for public comment is March/April 2014. Rick Engelmann (CHPRC) noted that the ST-4502 permit was renewed several months ago.

Mr. Bond referred to a discussion during a meeting about six months ago regarding water containing elevated levels of nitrate that was going from WESF to TEDF. Mr. Bond indicated that the intent was to check the nitrate level in six months, and he requested an update at the next PMM. Ms. Petersen agreed to provide a status on the level of nitrate in the water going from WESF to TEDF at the next PMM (agenda item 5E). Ms. Petersen added that there have not been any elevated nitrate levels noted since the one result, and that the nitrate was coming from a plume under WESF.

B. LERF Basin Maintenance

Ms. Petersen reported that the vegetation removal on all three basin covers is 100 percent complete, and enough of the mud and water has been removed to enable cover inspections for the three basins on about 85 percent of the total surface area. There is still some mud and water remaining on the covers. Ms. Petersen stated that ice began forming on the covers, and pumping operations were stopped on November 21 and have not been restarted. A treatment campaign is planned in January 2014, and work on the basins is planned to restart by early February 2014, weather permitting. The projected schedule is to have Basin 42 cover cleaned by early March 2014, Basin 44 cover cleaned by late March, and Basin 43 cover cleaned by the end of April 2014.

Mr. Bond stated that a meeting was held yesterday with the Department of Health (DOH), and the DOH expressed concern about completing the basin cover cleanup before the swallow season starts up in the spring. The DOH is concerned about the swallows spreading contamination onsite. Mr. Engelmann noted that the bigger concern is the belief that the basins were the source of the mud found in the swallows' nests at the vitrification plant that caused a three-day shutdown. Mike Collins (RL) noted that a meeting was held with the DOH earlier this week, and the DOH expressed the same concern about the swallows.

C. Hanford Facility RCRA Permit Rev. 9 Update

Jennie Seaver (CHPRC) stated that Ecology is still reviewing comments on Rev. 9 and developing a path forward for the updates. Mr. Bond noted that during an earlier meeting today, Cliff Clark (RL) indicated that it will be several years before Rev. 9 is finalized. Stephanie Johansen (CHPRC) asked if Rev. 9 should be removed from the agenda until it gets closer to being final. Mr. Bond stated that if there are developments with the conceptual agreement packages (CAPs), a status could be given under the topic of Rev. 9. Mr. Collins noted that there is some resistance within Ecology to keep modifying 8C, but the longer Rev. 9 is delayed, there may be more 8C revisions. The parties agreed to keep Rev. 9 as an agenda topic. Mr. Engelmann stated that the CAPs are intended to provide guidance for the whole permitting effort. Mr. Bond concurred, stating that the CAPs provide guidance for every aspect of the permit, and there is a CAP for every addendum and for the conditions. Ms. Seaver stated that the CAPs were developed between Ecology and the EPA hazardous waste toxics group, and the CAPs are based on Ecology regulations.

D. 8C/Class 2 Mods

Ms. Seaver stated that there are two upcoming Class 2 modifications to 8C starting in January 2014. The first Class 2 mod is related to groundwater, and includes the LERF/ETF groundwater monitoring plan update as well as other groundwater changes associated with the whole Hanford Site. Ms. Seaver stated that the pre-notice has been issued, and the tentative date for the public comment period is January 6, 2014 through March 10, 2014. Ms. Seaver noted that the schedule ends after the Hanford Advisory Board (HAB) meeting in March to allow the HAB to give advice.

Ms. Seaver stated that the second Class 2 modification is associated with the updates to the operational conditions for LERF. The updates include the control room monitoring and the readings on the leachate collection system using the flow meter and the totalizer. Ms. Seaver stated that the pre-notice has not gone out yet. Mr. Bond indicated that Andrea Prignano (Ecology) is not completely satisfied that the control room does not need to be manned 24 hours, seven days a week. Mr. Bond stated that he asked Steve Lowe (Ecology) to schedule a visit to the control room in an effort to confirm that a person is not needed 24/7, particularly when the plant is not running. Ms. Seaver stated that during a permit interface meeting, there was discussion that Mr. Lowe's visit would not hold up the 30-day pre-notice being issued. Mr. Bond stated that Mr. Lowe's visit could occur on short notice, possibly next week, and that he would have Mr. Lowe contact Mr. Collins to set up the visit.

Mr. Bond raised the subject of the temporary authorization (TA) related to manning the control room 24/7. Ms. Seaver stated that the decision was made to proceed with the request for a TA, and Ecology would discuss internally during the 30-day pre-notice period about whether the TA would be acceptable. Mr. Bond noted that there has been internal resistance to the TA. Mr. Bond added that one of the main questions is whether the control room monitors anything else on site, such as WESF or the 242-A Evaporator, and if there is any reason for a person to be in the control

room to monitor those facilities. Ms. Petersen responded that the control room monitors LERF/ETF and TEDF. Joel Williams (CHPRC) noted that the 400 Area air monitoring has an auto dialer that goes to the control room at ETF.

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. Mr. Bond initiated a discussion on WESF, and asked if RL/CHPRC had received the letter from the state of Oregon regarding its concern about integrity of the concrete at WESF. Mr. Collins stated that the letter had been received. Mr. Bond noted that the state of Oregon had been pushing for dry storage, and that the letter appeared to be favorable to RL on the issue. Mr. Collins agreed that the letter appeared favorable, and no action would be taken unless an issue is raised in the future. Mr. Bond agreed that no action was needed at this time. The parties agreed to attach the letter from the state of Oregon to today's meeting minutes.

Mr. Bond raised another topic for discussion on WESF regarding DOH's June 2013 stack inspection and RL's report to DOH. Mr. Bond asked if the DOH was satisfied, noting DOH's concern about the HEPA filters. Mr. Williams stated that the concern was raised when water got into the cabinet, and when the cabinet was opened to take the filter sample out, water got onto the filter and ruined the sample. Mr. Williams stated that DOH required RL to write an ALARACT to do a leak test, which was done, and the issue was closed. Mr. Engelmann stated that the report sent to DOH describes the leak test that was done. Mr. Bond asked if all the actions were completed and DOH was satisfied. Mr. Williams responded that DOH was satisfied and is not looking at anything out at WESF at this time.

Mr. Bond inquired about the status of the roof repairs at WESF. Ms. Johansen responded that the repairs have been completed, and the only item remaining is to finish installing the anti-skid surface to enable access to the roof. Ms. Johansen stated that the installation was halted due to the cold weather and has been deferred until spring. Ms. Johansen noted that the anti-skid surface is not related to the performance of the roof, but the roof repairs have not been closed out.

Mr. Bond asked if there were any other activities at WESF to discuss. Mr. Collins responded that there is just the routine surveillance and maintenance at WESF. Mr. Bond stated that he hadn't visited WESF for a couple years, and requested a visit sometime in February 2014. Mr. Collins stated that a visit could be set up, and suggested that Mr. Bond send an email to get the visit scheduled.

B. Mr. Williams initiated a discussion regarding the LERF/ETF treatment, storage and disposal (TSD) inspection by EPA. Mr. Williams stated that EPA is still reviewing the information that RL provided, including well data from the last four or five years. Mr. Williams noted that RL has not received a report from EPA on its compliance inspection. Mr. Bond referred to EPA's concern regarding some powder drums that fell off a truck, which occurred after the inspection and have

since been moved, and a concern with some drums that came from the WSCF lab. Mr. Bond noted that Ecology had not received official notification from EPA about resolution of those two areas of concern. Mr. Williams responded that EPA's only area of concern was related to the land disposal restriction (LDR) report and storage of drums for longer than a year. Mr. Williams added that the issue had been resolved when EPA was directed to the section in the permit that allows for longer storage under certain conditions. Ms. Petersen noted that EPA also requested information and documentation about treatment performed in the LERF basins, which was formally transmitted from RL to EPA. Ms. Petersen added that Ecology was provided a copy of the information.

Mr. Bond asked when the well is to be installed at LERF. Ms. Petersen responded that the well at LERF is being proposed in the revision to the groundwater management plan, and the well will go on a sitewide list for wells that are prioritized under milestone M-024.

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
		A permit change has been proposed to Ecology; follow-up meetings to be scheduled.	10/24/13
		RL has letter to transmit to Ecology the current updated catch basin drawings referenced in the permit in tables C-1 through C-4.	12/19/13

IX. Documents for Submittal to the Administrative Record

A. The December 17, 2013, letter from the state of Oregon (Ken Niles) to RL (Doug Shoop) regarding Oregon's earlier request for information about degradation of the concrete at WESF will be attached to today's minutes and submitted to AR.

X. Next Project Managers Meeting

A. The next PMM was scheduled for February 20, 2014, on the bimonthly basis as agreed to between RL and Ecology.

Oregon
John A. Kitzhaber, M.D., Governor

OREGON DEPARTMENT OF ENERGY

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www.Oregon.gov/ENERGY

December 17, 2013

Doug Shoop, Deputy Manager
U.S. Department of Energy, Richland Operations
P.O. Box 550, A7-50
Richland, Washington 99352

Dear Doug,

I wanted to thank you and your staff for your response to the concrete issue we have raised at the Waste Encapsulation Storage Facility. Dirk Dunning reports that he and your staff had an extremely productive meeting last Friday and are in general agreement on the issues and the path forward.

I understand that Greg Morgan and Dirk will continue to search for additional historic data that may exist to better define the likely conditions of the concrete. Barring some other finding, the assumption is that the intense gamma irradiation of the concrete may have weakened the concrete to such an extent that the basin may pose a significant risk. The risk appears to be manageable through added efforts already in place to ensure that in any adverse event that the basins remain continuously filled with water. I also understand the U.S. Department of Energy will recognize this as a high priority until the cesium and strontium capsules can be moved into dry storage.

Your earlier letter indicates that DOE is working to expedite the process to move the capsules to dry storage. The Site budget has also been examined to see when funds could be available for this project. We also understand that your staff are working or intend to work with the American Concrete Institute, the Nuclear Regulatory Commission and other DOE sites to highlight this as a previously unrecognized issue of concern for their consideration.

This has been an extremely productive and heartening exchange. We commend you and your staff for all of your efforts. We look forward to continuing our collaboration with DOE on this and other issues. Please let us know if there is any way we can assist you in this effort.

Sincerely,

Ken Niles
Administrator, Nuclear Safety Division

cc: Dennis Faulk, U.S. Environmental Protection Agency
Jane Hedges, Washington Department of Ecology

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

December 19, 2013
ATTENDANCE LIST

Name	Organization	Phone Number
1. Stephanie Johnson	CHPRC	373-1031
2. Kathy Knox	Knox Court Reporting	946-5535
3. Rick Engelmann	CHPRC	376-7485
4. Jennie Seever	CHPRC	
5. Joel Williams Jr	CHPRC-EP	376-4782
6. Michael Collins	DOE-RL	376 6536
7. Brett M Barnes	CHPRC	521-3053
8. Lorna Dittmer	CHPRC	376-7017
9. Rick Bond	Ecology	372-7885
10. LINDA Petersen	CHPRC	373-4200
11. P. Sharon BADBADA	CHPRC	373-9792
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LERF/200 AREA ETF and WESF PROJECT MANAGERS MEETING
825 Jadwin / Room 554
Hanford, Washington
December 19, 2013

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

Agenda

I. The August 22, 2013, Project Managers Meeting (PMM) minutes were approved by RL and Ecology and submitted to the Administrative Record (AR). No PMMs were held in September 2013. The October 24, 2013, PMM minutes are pending RL and Ecology approvals. No PMMs were held in November 2013.

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-4511status
   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
		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

X. Next Project Managers Meeting

PMM

OCTOBER & NOVEMBER 2013
ETF/LERF/200 AREA TEDF OPERATIONS REPORT FOR THE DECEMBER 19, 2013 PMM

LERF Basin Liquid Level, Inventory and Waste Received - October & November 2013			
	Basin 42	Basin 43	Basin 44
Basin Liquid Level and Inventory on 12/1/2013	10.9 ft. ~2.66 Mgal	9.4 ft. ~2.17 Mgal	18.8 ft. ~5.93 Mgal
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* 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.

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200 Area Treated Effluent Disposal Facility (TEDF) received wastewater at ~60 gpm during October & November 2013, based on TEDF Flow Totalizer information.

LERF/ETF/200 AREA TEDF ACTIVITIES:

- Basin 42 processing campaign through late January 2014
- Planned outage & LERF basin cover cleaning activities (weather allowing)
- Planned Basin 44 processing campaign

WESF ACTIVITIES:

- Planned repair of G cell transfer cart