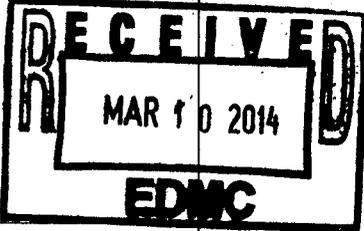


## Attachment 4: September 25, 2013 Meeting minutes

MEETING MINUTES	
Subject: Double-Shell Tank Emergency Pumping Guide	
Date of Meeting: 9/25/2013	Location: Ecology/Room 31 Time: 11:00-12:30
Attendees: Cheryl Whalen, Ecology Michelle Hendrickson, Ecology Kristi Wold, Ecology Jeremy Johnson, ORP Lori Huffman, ORP Mary Burandt, ORP	Steve Killoy, WRPS Tony Miskho, WRPS Mike Sheridan, WRPS David Little, WRPS Todd Blaak, WRPS
	
<p><b>1. Agenda:</b></p> <p>a. Previous Meeting minutes: The issues are not resolved on the past minutes. See new action.</p> <p>b. Discussion on 4 Templates: The DOE proposed vision is to have the revised emergency pumping guide with 4 templates as attachments. Each of the time deployment studies would need to address the worst case scenario for example, where spares are not available. Ecology requested that each of the remaining 27 DSTs (AY-102 not included) have their own template to address equipment configurations. Ecology agreed to review the 4 templates and determine if additional templates addressing configuration of equipment would be needed. See agreement and new action.</p> <p>c. Flowchart discussion: A revised flowchart was discussed, see Appendix. The leak assessment step (#17) should come after the leak determination step (#3). The time frames between steps #3 and #11, as well as steps #4 and #15 should be relatively short periods of time. Ecology requested that a new box be added to the flowchart for Corrective Actions should a leak be to the environment be detected. See new action. The pumping guide will need to have a section describing each of the steps in the flowchart. See new actions for companion section development, DST tank configuration to the first transfer tie in, and for Ecology to provide comments on the flow chart.</p> <p>d. Discovering a leak: Ecology would like to know what is being done regarding improving the ability to detect a leak. The SY Settlement Agreement was implemented after a lengthy legal battle and then ENRAFs were installed in the annulus of the DSTs. Now after the AY-102 leak, the Parties will need us to discuss leak detection requirements again for meeting the time frame of "24 hours or as soon as practical." Ecology has asked we continue looking at ways to improve detection. DOE indicated an evaluation is ongoing. See new issue on leak detection requirements.</p> <p>e. Leak Detection Pit (LDP): LDPs are described as the only monitoring to protect the environment. Ecology understands LDP not included as monitoring in DST Permit Application.</p> <p><b>2. Issues:</b></p> <p>a. The 10-day pumping requirement from HNF-3484 was not met once the AY-102 leak was declared (May 30, 2013)</p> <p>b. A potential difference of interpretation on what leak scenarios are addressed by HNF-3484 (July 30, 2013).</p> <ul style="list-style-type: none"> <li>▪ Ecology: Specific scenarios listed in HNF-3484 are examples and not met to be all inclusive. It does not exclude any waste types or leak locations.</li> <li>▪ DOE: HNF-3484 addresses the removal of supernatant.</li> </ul> <p>c. Need to identify what an emergency is (July 30, 2013).</p> <p>d. The number of plans needed for revision of the DST Pumping Guide has not been agreed upon</p>	

CROSS ref - 0059667

(August 26, 2013).

- e. Adequacy of DST leak detection from the SY Settlement agreement for meeting requirement to detect "24 hours or as soon as practical" (New).
- f. Should LDPs be considered in HNF-3484 as a leak detection method. (New)

### 3. Actions:

Action	Description	Status
2013-07-30-1	Ecology to discuss comment resolution of 5/30/2013 minutes	Open
2013-07-30-2	WRPS to determine schedule for performing Time Deployment Study for sludge and for salt cake, and updating Time Deployment Study for supernatant	Open
2013-08-26-1	Ecology to discuss comment resolution of 5/30/2013 and 7/30/2013 minutes	Open
2013-08-26-2	Ecology will discuss DOE's proposal for 4 templates.	Complete
2013-08-26-3	DOE to draft revised flow chart to present at next meeting. Will try to send the flow chart over prior to the meeting.	Complete
2013-09-25-1	Ecology action to finalize any comments on 8/26/2013 minutes.	New
2013-09-25-2	DOE prepare the 4 pumping templates and 4 time deployment studies.	New
2013-09-25-3	DOE to develop companion section to describe the steps in the flowchart.	New
2013-09-25-4	DOE to evaluate 27 remaining DST tank configuration to the first transfer system tie in.	New
2013-09-25-5	Ecology to provide comments on flowchart	New
2013-09-25-6	DOE/WRPS to evaluate the actions necessary to complete the decision blocks and demonstrate timeliness for #3, #4, #5, and #11. Also, DOE/WRPS will add a corrective action box should a leak to the environment be detected. Need to define how other tank farms activities (such as UT activities) will lead to entering the first step of the flowchart.	New

### 4. Agreements:

- a. Revision of HNF-3484 is necessary (May 30, 2013).
- b. Finalize the minutes in the meetings and then submit the approved meeting minutes for inclusion into the monthly project manager meeting (August 26, 2013).
- c. The emergency space limit of 1.265Mgallons will be used in future revisions of the document (August 26, 2013).
- d. A decision process flow sheet will be used in the document revision to outline decision points by the agencies in the case of a future event covered by the pumping guide (August 26, 2013).
- e. The 4 templates will be reviewed to determine if additional templates addressing configuration of equipment would be needed (New).

### 5. Next Meeting: October 16th, 2013, 2-3

Agenda: Revised flow chart and companion section describing details.

Appendix (1)

Attachment 4: September 25, 2013 Meeting minutes

Appendix 1

Revised Flow Chart

NOTE: Not currently applicable to AF-102 situation. This is being developed based on lessons learned from the AF-102 situation for use in the forthcoming Pumping Guide for currently in-Tact DST's.

### TOC DST PUMPING DECISION LOGIC

**Pumping Templates Legend**  
 Template A – Annulus to Primary (Pumpable Supernatant)  
 Template B – Supernatant Only (Tank to Tank)  
 Template C – Sludge (Tank to Tank)  
 Template D – Salt Cake (Tank to Tank)

