

MEETING MINUTES

Subject: Project W-178 219-S Secondary Containment Upgrades – Ecology Interface

From: M. A. Cahill, WMH

BUILDING Ecology Office, Kenn. WA

**Department-Operation-
Component**

RL Waste Program Division

Area
Kenn.

Shift
Day

Date of Meeting
09/11/98

Number Attending
6

Attendees

R. J. Boom, WMH	H6-36	A. D. Huckaby, Ecology	B5-18
M. A. Cahill, WMH	T6-03	J. L. Hensley, Ecology	B5-18
P. K. Clark, RL	S7-55	D. S. McShane, FDNW	G3-17

1. Current Project W-087/W-178 Status

Mike Cahill provided a summary of progress, since the last meeting in June. The main focus has been remobilization of the crafts and cleaning tanks 101 and 102. The tank cleaning method of using a high pressure water jet (hydro lancing) was extremely efficient in removing scale and mobilizing solids. The contents of tank 101 were transferred to tank 102 in 2 stages. The last transfer (~125 gallons of solids) was made on 8/27. There remains ~1-2 gallons of solids in tank 101. Remaining solids in tank 101 will be removed with a HEPA vacuum. Tank 101 will then be clean enough to proceed with the tank integrity assessment.

Tank 102 currently contains approximately 1000 gallons of waste, which will be transferred to Tank Farms on September 14th. This waste was analyzed using the Mega Rule criteria and the PCB level was 3.6 ppm. Immediately after the initial transfer, tank 102 will be cleaned using the "hurricane" hydro lance. A video of the cleaning effort and results was shown and discussion followed. Ecology was invited for a site visit on September 14th to view the transfer operation and tank cleaning.

The following activities are scheduled for the next 30 days:

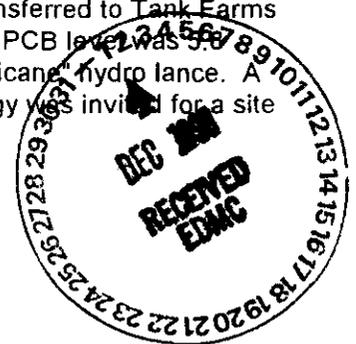
- Complete tank cleaning
- Inspect Tanks 101 and 102 (camera, visual, and UT)
- Disconnect tank services
- Clean tank exterior surfaces and coat with "Instacote" spray
- Remove tanks

As a result of the PCB issues, project shutdown, and Mega Rule actions, the project is currently 35 working days behind the TPA milestone date of April 1999. Many critical project activities were deferred to have the tanks cleaned before applicability of the Mega Rule requirements. A new schedule is being developed that will reschedule these deferred activities.

Action: Mike Cahill is to notify Ecology when significant activities are being performed or if there is a change in plans for the transfer and cleaning

2. Tank Integrity Assessment

Dave McShane reported on the evolution of the draft tank integrity assessment plans provided to Ecology. The initial plan proposed performing a visual exam of the tank and mapping the tank into 6" squares and performing ultrasonic testing (UT) on 60 squares per tank. The goal was to develop an estimate of remaining tank life. Based upon discussions with the IQRPE and other engineers, the approach has been revised to demonstrate the tank is currently sound and suitable for reuse. A camera inspection of the tank interior is planned on the tank interior. The UT will be performed at exterior locations that are suspect (based upon the camera inspection) and other random locations. The inspections and UT will be performed by quality control inspectors. Based upon the visual and camera



results, the tanks appear to be sound. The tank configuration is different from depicted on existing drawings (bottom contour and weld locations).

Action: Dave McShane will finalize the Tank Integrity Assessment plan and distribute it to the attendees via e:mail.

3. 219-S Sample System

Mr. Cahill described how the sample system currently works and reviewed the options provided to Ecology. The recommendation is that RL submit to Ecology a waiver to WAC 173-303-640 for continued use of the existing sample system (option 4). There has been a plugging problem for the sampler associated with tank 103 that has hampered timely sample collection. The sampler was replaced in mid August and has functioned properly since then. Ecology has drafted a waiver letter, but would like to perform a site visit to observe the current configuration and discuss the plugging problem with the cognizant engineer.

Actions: 1) Alisa Huckaby and Jerry Hensley conduct a site visit to gather information on sampler operation (Scheduled for 9/14).

2) Mike Cahill prepare letter recommending preferred 219-S sampling option. Subsequent letters will be prepared by FDH and RL to formally submit the waiver request to Ecology.

3) Alisa Huckaby/Jerry Hensley to provide RL with waiver from WAC 173-303 secondary containment requirements or negotiate option based on RL submittal.

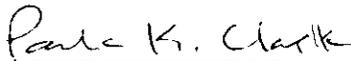
4. Proposed Tank 103 Isolation Plan

Mike Cahill provided the following information: Tank 103 was emptied in mid July. WMH has performed an analysis of the solids and determined that there is no explosion potential due to the evaporation of the heel left in the tank. We expect that tank 103 is currently dry. WMH is evaluating the option of not using tank 103 in the interim configuration. We expect very little solids to be remaining in tank 103 based upon the difficulty of obtaining solids in previous sampling efforts and observations of solids remaining in tank 102 after transfer. An assessment on Mega Rule impacts and changes in Tank Farm Waste Acceptance criteria needs to be performed before a decision on reuse of Tank 103 is made.

A previous action item requested a comparison of the tank 103 isolation approach with what has been done in other onsite facilities. The original tank 103 approach for cleaning and isolation of tank 103 was found to be in excess of what is being done at other locations. Tanks are typically pumped as low as possible and then isolated. Because of the uncertainty over reuse of tank 103 and the ability to easily dispose of any flush water, the approach for long-term isolation has been put on hold until more information is available.

Action: Jay Warwick define revised approach for isolation of Tank 103.

Concurrence:



Ms. P. K. Clark, RL Waste Programs Division



Ms. A. D. Huckaby, State of Washington Department of Ecology

Waste Management Federal Services of Hanford	DOCUMENT TRANSMITTAL	Transmittal No. W-178-019
Date: October 23, 1998		Page 1 of 1
To: Distribution	From: Mike Cahill 373-3715 <i>myACahill</i>	
Project/Work Order Number: Project W-178		
Project/Work Order Title: 219-S Secondary Containment Upgrade		
Subject: Meeting Minutes 9/11/98 Ecology Status Meeting		

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1	Project Files	R1-29

Attached Are	Purpose	Comments	Please
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<input type="checkbox"/> Specifications	<input type="checkbox"/> Action	<input type="checkbox"/> Unchecked	<input type="checkbox"/> Approve
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Approved meeting minutes from September 11, 1998 meeting with Department of Ecology