

MEETING NOTES

WMA C RCRA Facility Investigation Report

MEETING DATE: April 30, 2014

LOCATION: Washington State Department of Ecology Office, Richland, WA

ATTENDEES:

Marcel Bergeron (WRPS)

Mike Barnes (Ecology)

Kathy Davis (Freestone)

Susan Eberlein (WRPS)

Dan Glaser (WRPS)

Doug Hildebrand (DOE-ORP)

Julie Robertson (Freestone)

Beth Rochette (Ecology)

Cindy Tabor (WRPS)

Greg Thomas (CHPRC)

Becky Wiegman (WRPS)

PURPOSE OF MEETING: The meeting was called to promote discussion among Ecology, DOE-ORP, DOE-RL, CHPRC, and WRPS regarding the calendar year 2014 effort to develop a RCRA facility investigation (RFI) report for WMA C. As part of the meeting notes, lists of expectations, agreements, and actions will be documented, and the status of these actions will be tracked.

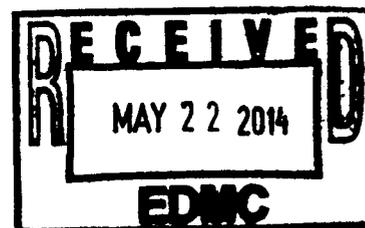
REVIEW OF EXPECTATIONS AND ACTIONS FROM PRIOR MEETING: The attendees discussed an expectation expressed by Joe Caggiano (Ecology) in March 2014 that characterization information for all equipment in the Part A will be discussed in the RFI report. Ms. Robertson stated that a section of the RFI report will contain a description of WMA C, including a table detailing system components and equipment. The table will look much like Table 2-6 in *Phase 2 RCRA Facility Investigation/Corrective Measures Study Work Plan for Waste Management Area C* (RPP-PLAN-39114, Rev. 2). Available documents containing information about residual equipment inventory will be referenced in the table. The attendees deferred further discussion of the expectation until Mr. Caggiano could be present at a future meeting.

The results of the discussion of open actions are recorded in tables at the end of these meeting notes. Individual actions will be removed from the list after DOE and Ecology have agreed to close the action.

PHASE 2 INVESTIGATION DATA (OVERVIEW OF DATA QUALITY ASSESSMENT): Ms. Tabor provided a brief presentation reviewing the required components of a complete data quality assessment. She noted that the DQA for the Phase 2 WMA C investigation is in progress.

UPCOMING MEETINGS: Tentatively set for May 28 and June 25, 2014, 9:30 am.

<u>R Douglas Hildebrand</u>	<u>[Signature]</u>	<u>5-20-2014</u>
DOE Project Manager (print)	DOE Project Manager (signature)	Date
<u>Michael W Barnes</u>	<u>[Signature]</u>	<u>5-21-2014</u>
Ecology Project Manager (print)	Ecology Project Manager (signature)	Date



EXPECTATIONS.

3/26/2014	Ecology expressed an expectation that characterization information for all equipment in the Part A will be discussed in the RFI report.
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ACTIONS.

Action Number	Actionee	Description	Status
2014-02-26-1	Hildebrand	DOE will prepare a TPA change package to address the need to revise TPA milestone M-045-61, which calls for submittal of an RFI/CMS report.	Open. In process.
2014-02-26-2	Eberlein	Identify what risk information will be available for inclusion in the RFI report.	Open. Risk assessment will be a topic of a future RFI meeting.
2014-02-26-3	Tabor, Robertson	Contact Rebecca Gerhart (EPA) after 3/9/2014 to discuss desired level of detail to include in RFI report. Consider level of detail in recent 100 Area RI/FS reports. Propose inclusion of summary level information in document and hyperlinks to other documents that provide more detail.	Open. Initial meeting held 4/28/2014. Anticipate additional meetings.
2014-03-26-1	Tabor, Robertson	Schedule future meeting to review the conceptual site model and stratigraphy at WMA C.	Tentatively scheduled for June 2014 meeting.

AGREEMENTS. (2 pages)

Agreement Date	Description of the Agreement
1/23/2014	1. The RFI report will identify information gaps . Such gaps will be resolved through future efforts prior to submittal of the WMA C CMS. The meeting attendees felt that this process of gap identification and resolution will support future work prioritization agreements.
	2. Ecology agrees to the use of the proposed revised RFI report outline shown in Attachment 1.
2/26/2014	1. The section that addresses regional geology should use pictures/graphics from the 2010 Natural Systems WMA C Performance Assessment working session to illustrate the uniqueness of the site (illustrate geology, depict river channeling impacts, etc.).
	2. The description of field sampling techniques should describe process improvements made over time and any effects those improvements have made on how the data is interpreted (e.g., surface geophysical exploration, number of samples that can be taken from push borehole).
	3. The RFI report should reflect on information contained in weekly radiological field survey reports ("rounds sheets") regarding surface contamination in C Farm. Mr. Barnes noted that many of the unplanned release sites associated with C Farm are based on airborne or surface contamination events, and many of these sites no longer exist (e.g., have been remediated or have dissipated). Such releases are generally documented as "unplanned releases." Convey point that although the surface may be considered uncontaminated today, shallow subsurface contamination may exist across the farm.

AGREEMENTS. (2 pages)	
Agreement Date	Description of the Agreement
	<p>4. The RFI report should describe changes made in characterization planning as field work progressed. For example, in the area near the C-200 tanks, initial planning called for direct push investigation. Subsequently, the agencies agreed to investigate that area using surface geophysical exploration (SGE) initially, followed by use of direct push investigation as deemed necessary and feasible based on SGE results and physical limitations in that location.</p> <p>5. RFI report sections regarding nature and extent of contamination and human health and risk assessment will be consistent with information being developed for the separate but parallel WMA C Performance Assessment effort. The RFI report will incorporate whatever information is available on the topics; information gaps will be identified for subsequent resolution.</p>
2/26/2014 and 3/26/2014	<p>1. To the extent practicable, the RFI report will include information about liquid sources near or at the surface (e.g., equipment decontamination activities within the farm, fire hydrant testing, water lines, snow melt, ponds/cribs/ditches) that may have been sources of contamination and/or water infiltration. Also include UPR descriptions from WIDS. DOE/RL-88-30 (<i>Hanford Site Waste Management Units Report</i>), tank leak-loss reports, the WMA A-AX/C Field Investigation Report, and GJO-98-39-TAR, GJO-HAN-18 (<i>Hanford Tank Farms Vadose Zone: C Tank Farm Report</i>) will be reviewed for relevance.</p> <p>2. The RFI report will include characterization information from dry wells, boreholes, direct pushes, and near-surface sampling. It will also include characterization information from leaks associated with ancillary equipment (pipelines, French drains, C-301, etc.).</p> <p>3. The RFI report table of contents should include a section that refers to the conceptual site model. (This information is currently slated to go into Section 5.3.1.) CSM illustrations in RFI report should be consistent with WMA C Performance Assessment models related to nature and extent of contamination if no action were taken.</p>
3/26/2014	<p>1. The introductory section of the RFI document will incorporate relevant information from the WMA C Phase 2 work plan (RPP-PLAN-39114), particularly regarding regulatory framework and the regulatory decision-making process.</p> <p>2. The RFI report will incorporate published information about the groundwater monitoring program and groundwater contamination, including Tc-99, iodine, and nitrate.</p> <p>3. The section of the RFI report describing the tank system will include individual tank timelines (the "Caggiano diagrams") associated with leaks/losses as well as findings from tank leak-loss reports.</p> <p>4. Using information in published reports, the RFI report will include information about upgradient facilities that are possible sources of groundwater contamination at WMA C.</p> <p>5. The write up of Phase 2 field work will include time frame when work was conducted/samples taken at specific locations.</p> <p>6. Terms such as "surface" and "sub-surface" will be defined and used consistently.</p> <p>7. Discuss data validation/quality (e.g., Tc-99 data quality as it relates to analytical method used) in the RFI report. This information is currently slated to go into Section 5.2.1.</p> <p>8. Notes from routine monthly 2011 and 2014 meetings regarding the development of the RFI will be incorporated into the RFI report.</p>