

MEETING NOTES
Waste Management Area A-AX:
Follow-Up Meeting on Data Quality Objectives Step 4, Define the Boundaries of the Study

MEETING DATE: September 16, 2020

LOCATION: Microsoft Teams Meeting

ATTENDEES:

Becky Blackwell (DOE-ORP)	Jeff Lyon (Ecology)	Kim Schuyler (Freestone)
Doug Hildebrand (DOE-RL)	Nina Menard (Ecology)	Cindy Tabor (WRPS)
Rod Lobos (DOE-ORP)	Julie Robertson (Freestone)	Kim Welsch (Ecology)

BACKGROUND INFORMATION: Between January and August 2017, representatives of the Washington State Department of Ecology (Ecology), the U.S. Environmental Protection Agency (EPA), the U.S. Department of Energy Office of River Protection (DOE-ORP), the U.S. Department of Energy Richland Operations Office (DOE-RL), Washington River Protection Solutions (WRPS), and CH2MHILL Plateau Remediation Contractor (CHPRC) participated in a series of meetings to develop data quality objectives (DQO) for Waste Management Area (WMA) A-AX vadose zone soil. The results of those meetings are documented in *Data Quality Objectives for Vadose Zone Characterization at Waste Management Area A-AX* (RPP-RPT-60227, Rev. 0; henceforth called the DQO Report). Since that time, WRPS, DOE-ORP, and Ecology have continued working together to define additional DQOs and data needs for WMA A-AX, as documented in meeting notes and revisions to the DQO Report.

1.0 PURPOSE OF MEETING

This meeting was called as a follow-up to a September 1, 2020, meeting regarding Step 4 of the DQO process, Define the Boundaries of the Study.

2.0 BACKGROUND

The agencies met on September 1, 2020, to define the boundary of the WMA A-AX *Resource Conservation and Recovery Act* (RCRA) facility investigation (RFI) soil sampling effort. Two actions taken at that meeting were completed prior to this September 16, 2020, meeting. On September 3, 2020, Cindy Tabor completed Action 2020-09-01-01 by emailing the following information to Ecology:

- Information about 244-AR Vault
- 200-E-131 information shown at meeting
- Snip from HMAPS showing southeastern boundary of WMA A-AX and waste sites/structures crossing the purple segment of 200-E-131.

After receipt of Ms. Tabor's September 3, 2020, email, Ecology completed Action 2020-09-01-02 by meeting internally to discuss the following items:

- Segmentation of waste site 200-E-131
- Exclusion of 2607-ED septic tile field from WMA A-AX investigation
- Closure of 244-AR Vault
- WMA A-AX RFI soil investigation boundary definition.

Ms. Tabor scheduled this September 16, 2020, meeting to allow for further discussion of the boundary of the WMA A-AX RFI soil sampling effort.

3.0 DISCUSSION

Nina Menard opened the discussion with several questions, noting that she and Kim Welsch were not involved in the WMA A-AX DQO process.

- What was the purpose of the WMA A-AX DQO? Ms. Tabor stated that it was to define the vadose zone data needs for the WMA A-AX RFI/Corrective Measures Study (CMS).
- What is the purpose of the boundary definition? Is it for the WMA A-AX RFI, or is it for the DOE Order 435.1 Performance Assessment for WMA A-AX? Rod Lobos stated that the boundary defines the scope of the WMA A-AX investigation – the area to be addressed by the decision for WMA A-AX.

Segmentation of 200-E-131

Ms. Menard then turned to DOE's September 1, 2020, proposal to segment the 200-E-131 waste site. Ms. Menard stated that Ecology had met internally and offered a counter proposal. Referring to Attachment 1, Ms. Menard suggested that the southern portion of the purple segment (containing the 241-A-302B Catch Tank and a steeper slope) be investigated as part of WMA A-AX, and the northern portion (containing several 200-IS-1 Operable Unit [OU] features and a less steep slope) be segregated and addressed through OU investigations. Jeff Lyon requested a caucus, and the Ecology participants left the meeting.

Upon Ecology's return to the meeting, Mr. Lyon stated that all the area under evaluation in the WMA A-AX Performance Assessment should be addressed by the WMA A-AX RFI, and that area should include all of the purple segment of 200-E-131 shown in Attachment 1. Additionally, Mr. Lyon stated that a portion of the green segment of 200-E-131 should also be included in the WMA A-AX investigation. He defined that as the portion surrounding the 241-AY-102 Tank (AY-102), extending in a rough rectangle from just south of the 241-AY-101 Tank southward to the northern edge of the orange segment of 200-E-131. He explained that AY-102 is unfit for use and must be closed, so characterization of the soil surrounding the tank should proceed now with WMA A-AX.

Mr. Lobos responded that DOE had not previously considered addressing any part of the green segment that is assigned to a double shell tank system as part of WMA A-AX, and he stated that DOE would need to evaluate Ecology's proposal before discussing further.

Exclusion of 2607-ED Tile Field

Julie Robertson provided a brief description of the 2607-ED waste site. The waste site is a sanitary septic system that includes a tank just inside the southeast fenceline of the 241-AX Tank Farm, and a tile field that is well to the east of the tank farm (shown in Attachment 1). Ms. Robertson said that there was no indication of unusual discharges to the system in the Hanford Site Waste Information Data System (WIDS) and that she had not performed a search to identify whether any characterization data might be available for the tile field. She noted that the system is not identified in the *Hanford Federal Facility*

Agreement and Consent Order and that WIDS assigns the system to WMA A-AX. She also noted that it is standard practice for the agencies to address Hanford Site septic systems under OUs (e.g., 200-EA-1 OU).

Ms. Robertson proposed that the 2607-ED Septic Tank be addressed with WMA A-AX, since it is inside the 241-AX Tank Farm, and that the 2607-ED Tile Field be addressed by an OU. Ms. Menard agreed that it would be appropriate to address the tank with WMA A-AX and the tile field with an OU.

(AGREEMENT: As part of Step 4 of the WMA A-AX DQO process, the attendees agreed that the 2607-ED Septic Tank should be addressed with WMA A-AX, and the associated 2607-ED Tile Field should be addressed as part of operable unit investigations.)

Exclusion of 244-AR Vault

Mr. Welsch stated that the 241-AR-151 Diversion Box should be included with the 244-AR Vault in the WMA A-AX investigation. Ms. Tabor stated that the DOE recommendation is to exclude the 244-AR Vault from the WMA A-AX investigation. Doug Hildebrand stated that the vault will need to be investigated to determine cumulative impacts, but that the vault is not a part of the single shell tank farms being addressed by the WMA A-AX RFI. Mr. Welsch stated that the WMA A-AX risk analysis needs to evaluate the impacts of the vault.

Mr. Hildebrand stated that if the vault is included in the WMA A-AX investigation, then it should be incorporated into the WMA A-AX closure. Mr. Welsch countered that the vault just needs to be reviewed for the WMA A-AX risk analysis. Mr. Hildebrand noted that if the concern is radionuclides, the evaluation will be in the DOE Order 435.1 Composite Analysis.

Mr. Lobos and Mr. Hildebrand agreed that the 241-AR-151 Diversion Box should be investigated with the 244-AR Vault. Mr. Lobos stated that agencies would need to regroup at a later date for further discussion about including the 244-AR Vault in the WMA A-AX investigation.

5.0 ACTIONS AND AGREEMENTS

One new agreement was reached: As part of Step 4 of the WMA A-AX DQO process, the attendees agreed that the 2607-ED Septic Tank should be addressed with WMA A-AX, and the associated 2607-ED Tile Field should be addressed as part of operable unit investigations.

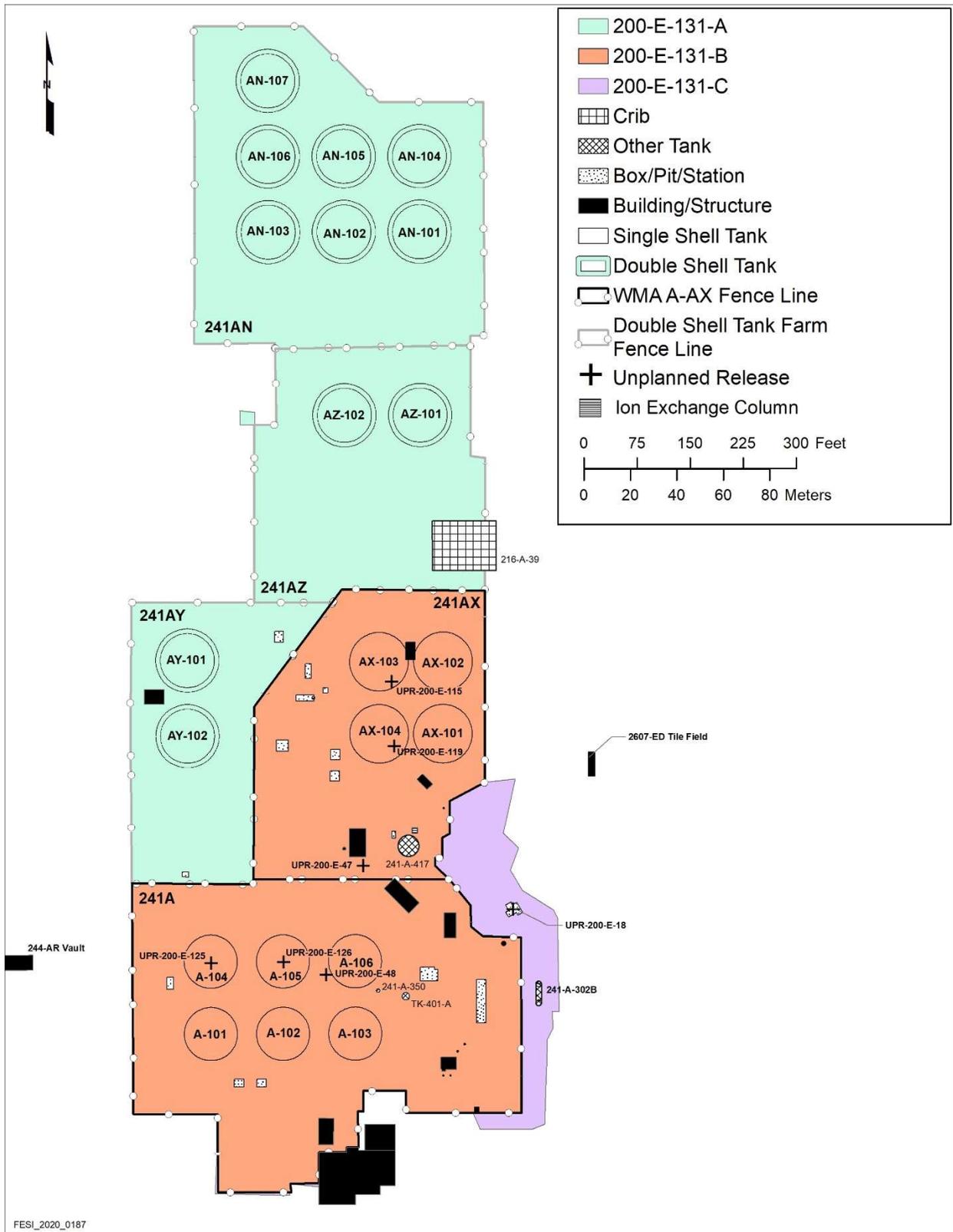
No new actions were taken at this meeting.

Rodrigo Lobos	<i>Rodrigo Lobos</i>	10/14/2020
DOE Project Manager (print)	DOE Project Manager (signature)	Date
Jeffery J Lyon		11-13-20
Ecology Project Manager (print)	Ecology Project Manager (signature)	Date

Attachment 1

Boundary of Consolidated Waste Site 200-E-131

Boundary of Consolidated Waste Site 200-E-131



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