

Operational Period # 21

- Demolition operations continued in DU03
 - T-02 sludge removal and tank removal
 - The Marley Evaporator was removed and prepared for disposal and recycling
 - T-46 was removed and prepared for disposal and recycling
- Held a pre-Asbestos Containing Material (ACM) abatement meeting with EPA, LRAPA, and EPA sub-contractor Alpine to review the proposed workplan and timeline for the abatement activities in the retort area to include CAB Panels, Magnesia Pipe & Tank Insulation, TSI Pipe Insulations, Jacketing, associated with retorts 81,82,83, Asbestos windows, sheetrock/Gypsum Wall Board in the boiler room (DU04). The abatement is expected to last 8 weeks and will adhere to the following regulations:
 - OSHA 1910.134 – Respiratory Protection
 - OSHA 1926.1101- Asbestos Rules
 - EPA NESHAPS – Title 40, Part 61, Subparts A and M
 - Oregon Administrative Rules Chapter 340, Division 248, DEQ; Chapter 340, Division 33, (DEQ/LRAPA) Licensing, Removal, and Certification Requirements
 - ANSI – Publication Z88.2-1980 Practices for Respiratory Protection
- Demolition activities begin in the retort areas in advance of the abatement work. This effort is to remove non ACM pipes, catwalks, and other impediments. This work requires cutting and torching metal, pulling out large pumps, and removing all possible standing water and sludges.

Unmanned Aerial Systems (UAS) Activities:

UAV operations were conducted during this Ops Period

Monitoring, Sampling, and Analysis

- Deploy air monitoring on the site perimeter and in work areas during active operations. This included monitoring at AM03 near the site entrance and AM08 for work zone monitoring in DU03.
- Collected 2 water samples from the process water Frac tanks storage area. EPA is looking to evaluate recent water collected from over the last 3 weeks to compare against the first waters collected to verify the generation of hazardous water from secondary containment contact.

[Tank and air monitoring status viewer](#)

Particulate Air Monitoring Data (DusTrak) January 13-18, 2025

Date	Air Monitoring Station	Total Run Time	Min (mg/m ³)	Max (mg/m ³)	Average (mg/m ³)	Max TWA	Percent of Readings Exceeding 0.07 mg/m ³
1/13/2025	AM03	9:40	0	0.106	0.016	0.025	0.0%
	AM09	8:54	0	0.373	0.013	0.026	0.0%
1/14/2025	AM03	9:44	0	0.161	0.019	0.018	0.0%
	AM09	7:18	0	0.304	0.018	0.017	0.4%
1/15/2025	AM03	9:19	0	0.491	0.022	0.032	0.1%
	AM09	9:04	0	0.276	0.026	0.025	1.2%
1/16/2025	AM03	9:40	0	0.05	0.021	0.016	0.0%
	AM09	9:26	0	0.708	0.034	0.027	8.5%
1/17/2025	AM03	9:33	0	72.5	0.036	0.013	0.3%
1/18/2025	AM03	9:33	0	0.088	0.013	0.013	0.0%
	AM09	9:18	0	0.159	0.013	0.013	0.0%

Notes:

VOC Air Monitoring Data (AreaRAE) January 13-18, 2025

Date	Air Monitoring Station	Total Run Time	VOC Min (ppb)	VOC Max (ppb)	VOC Average (ppb)	Percent of Readings Exceeding 5 ppm
1/13/2025	AM03	8:55	71	115	86	0%
	AM09	8:55	200	370	330	0%
1/14/2025	AM03	9:41	42	70	60	0%
	AM09	9:41	223	379	333	0%
1/15/2025	AM03	9:03	47	73	59	0%
	AM09	9:03	115	333	283	0%
1/16/2025	AM03	8:51	44	64	53	0%
	AM09	8:51	114	316	271	0%
1/17/2025	AM03	8:46	19	60	49	0%
	AM09	8:46	28	324	260	0%
1/18/2025	AM03	9:15	42	58	51	0%
	AM09	9:15	150	498	275	0%

Notes:

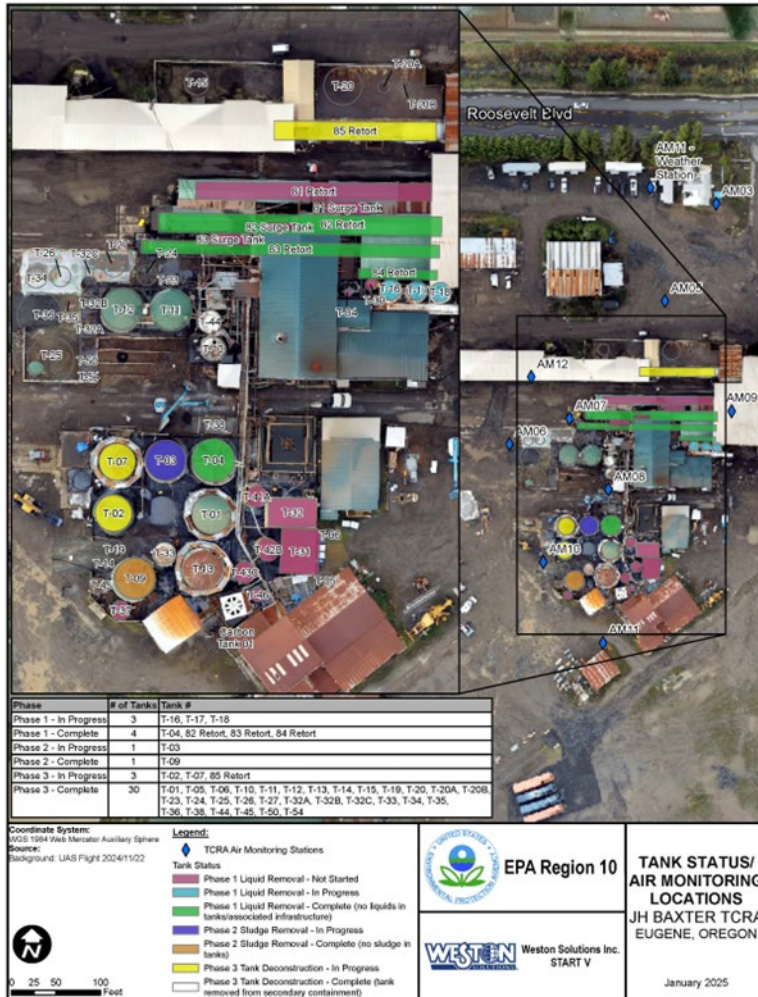
NH3 Air Monitoring Data (AreaRAE) January 13-18, 2025

Date	Air Monitoring Station	Total Run Time	NH ₃ Min (ppm)	NH ₃ Max (ppm)	NH ₃ Average (ppm)	Percent of Readings Exceeding 25 ppm
1/13/2025	AM03	8:55	0	0	0.00	0%
	AM09	8:55	0	0	0.00	0%
1/14/2025	AM03	9:41	0	1	0.46	0%
	AM09	9:41	0	1	0.91	0%
1/15/2025	AM03	9:03	0	1	0.90	0%
	AM09	9:03	0	1	0.85	0%
1/16/2025	AM03	8:51	0	1	0.90	0%
	AM09	8:51	0	1	0.90	0%
1/17/2025	AM03	8:46	0	1	0.73	0%
	AM09	8:46	0	1	0.80	0%
1/18/2025	AM03	9:15	0	1	0.30	0%
	AM09	9:15	0	1	0.86	0%

Notes:

2.1.3 Progress Metrics

Tank Status Map:



Disposal:

No disposal activities during this operations period