

Operational Period #35

- Completed demolition of Retort 84 and exterior segments of Retort 83 (as section of Retort 83 bisects the boiler room).
- Began demolition of Retort 81 and 82 secondary containments, starting near the west end.
- Asbestos contaminated containment materials were transferred to super sacks per accepting facilities specifications for accepting such waste.
- Continued evaluation, photography and documentation of scrap metal roll-off pins prior to transportation off-site for recycling.
- Began removal of liquid waste from piping, appurtenances and vessels in boiler room followed by demolition of boiler equipment.
- Maintained dust suppression in areas used for site-wide truck routes, equipment and during secondary containment demolition.
- Continued to collect, manage, and evaporate process water (see process metrics below)

Unmanned Aerial Systems (UAS) Activities:

2 flights conducted this week on 04/23/2025 and 4/24/2025 to document demolition activities of retorts and associated secondary containment.

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Monitoring, Sampling, and Analysis

- Air Monitoring: AM03, AM04, AM05
- Test pit excavated near the west end of the secondary containment for Retorts 81 and 82. Soils appeared to be native and unstained. Groundwater observed at approximately 5 feet bgs. No strong odors or sheen were detected in soil or groundwater.
 - One groundwater sample was collected and submitted for laboratory analysis of PAHs including PCP, VOCs, and total metals.
 - Two XRF points were also collected from within footprint. Arsenic and other metals were detected at elevated ranges. The highest Arsenic concentration detected is 174 ppm at a point collected near the northeast corner of the boiler rooms exterior wall.

[Tank and air monitoring status viewer](#)

Particulate Air Monitoring Data (DusTrak) April 21-25, 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
4/21/2025	AM03	8:35	0	0.043	0.003	0.003	0.0%
	AM05	8:35	0.003	0.135	0.006	0.008	0.0%
4/22/2025	AM03	9:12	0	0.045	0.004	0.004	0.0%
	AM05	9:03	0.002	0.044	0.007	0.007	0.0%
4/23/2025	AM03	9:38	0	0.07	0.006	0.009	0.0%
	AM05	9:38	0	0.2	0.012	0.014	1.5%
4/24/2025	AM03	9:16	0	0.071	0.01	0.015	0.0%
	AM05	9:16	0	0.792	0.017	0.021	1.0%
4/25/2025	AM03	8:58	0.005	0.01	0.007	0.007	0.0%
	AM04	8:48	0.008	0.808	0.030	0.022	7.0%

VOC Air Monitoring Data (AreaRAE) April 21-25, 2025

Date	Air Monitoring Station	Total Run Time	VOC Min (ppb)	VOC Max (ppb)	VOC Average (ppb)	Percent of Readings Exceeding 5 ppm
4/21/2025	AM03	7:56	242	472	312	0%
	AM05	7:56	0	14	0	0%
4/22/2025	AM03	9:15	0	396	201	0%
	AM05	9:15	0	806	230	0%
4/23/2025	AM03	9:34	0	323	114	0%
	AM05	9:34	0	697	152	0%
4/24/2025	AM03	9:10	0	172	34	0%
	AM05	9:10	0	431	89	0%
4/25/2025	AM03	8:59	0	392	215	0%
	AM04	8:59	0	52	0	0%

NH3 Air Monitoring Data (AreaRAE) April 21-25, 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
4/21/2025	AM03	7:56	0	0	0	0%
	AM05	7:56	0	0	0	0%
4/22/2025	AM03	9:15	0	0	0	0%
	AM05	9:15	0	0	0	0%
4/23/2025	AM03	9:34	0	0	0	0%
	AM05	9:34	0	0	0	0%
4/24/2025	AM03	9:10	0	0	0	0%
	AM05	9:10	0	0	0	0%
4/25/2025	AM03	8:59	0	0	0	0%
	AM04	8:59	0	0	0	0%

2.1.3 Progress Metrics

Tank Status Map:



Water Storage and Evaporation:

The Evaporation concentrate is collected and added to WS 5.0 for disposal

Operational Period	Run Time	Process Water Collected	Process Water Stored	Available Storage Capacity	Process Water Evaporated	Evaporation Concentrate
2/1/2025	0 hrs	NA	234,000 gal	60,000 gal	0 gal	0 gal
2/2/2025-2/8/2025	129 hrs	NA	224,623 gal	68,377 gal	8,377 gal	425 gal
2/9/2025-2/15/2025	165 hrs	NA	215,673 gal	78,327 gal	9,950 gal	475 gal
2/16/2025-2/22/2025	163 hrs	NA	205,623 gal	88,377 gal	10,050 gal	502 gal
2/23/2025-3/1/2025	143 hrs	19,000 gal	214,473 gal	79,527 gal	10,150 gal	425 gal
3/2/2025-3/8/2025	114 hrs	12,000 gal	218,973 gal	75,027 gal	7,550 gal	425 gal
3/9/2025-3/15/2025	108 hrs	30,000 gal	240,923 gal	53,077 gal	8,050 gal	425 gal
3/16/2025-3/22/2025	120 hrs	25,000 gal	258,223 gal	35,777 gal	10,000 gal	0 gal
3/23/2025-3/29/2025	168 hrs	25,000 gal	272,023 gal	20,977 gal	10,200 gal	0 gal
3/30/2025-4/5/2025	168 hrs	5,000 gal	265,143 gal	27,852 gal	11,875 gal	425 gal
4/6/2025-4/12/2025	165 hrs	5,000 gal	258,093 gal	34,902 gal	12,050 gal	425 gal
4/13/2025-4/19/2025	144 hrs	250 gal	247,117 gal	45,883 gal	11,231 gal	425 gal
4/20/2025-4/26/2025	145 hrs	0 gal	238,267 gal	54,733 gal	8,850 gal	425 gal
Running Total	1,708 hrs	121,250 gal	238,267 gal	54,733 gal	118,333 gal	4,377 gal

Key:
NA= Not Applicable. No water has been processed at this time.
gal = Gallons
hrs = Hours

Disposal / recycling:

- RCRA Debris rolloff boxes: 0
- Non RCRA rolloff boxes: 0
- Unprepared Scrap Steel: 0
- Stainless Steel: 0
- Creosote / Penta sludge: 0