

Operational Period #31

- Completed retort 85 removal operations.
- Began removal of penta / creo liquids and sludges, and deconstruction of appurtenances, surge tanks and piping connected to Retorts 81-84 starting with R-81.
- Completed concrete demolition in Zone 1 and for the ACQ (T-16, T-17, T-18) tanks.
- Test Pits: excavation of three test pits took place during this operational period. Two test pits were dug in DU01, near the former locations of T-15 and T-20. Additionally, a test pit was dug in the ACQ area. No odor, staining, or water with sheen were observed in any test pit.
- Secondary containment areas that have been removed have been backfilled and graded to drain stormwater away from remaining secondary containments to ensure proper water management.
- Continued evaluation, photography and documentation of scrap metal roll-off pins prior to transportation off-site for recycling.
- Continued to collect, manage, and evaporate process water (see process metrics below).

Unmanned Aerial Systems (UAS) Activities:

USCG conducted one drone flight on Monday (3/24/2025)

Monitoring, Sampling, and Analysis

- Air Monitoring: AM03, AM05, AM07, AM15
- No sampling activities took place during this operational period
- XRF readings from underneath the secondary containment, as it was removed from the ACQ containment area. No elevated readings were identified.
- Wind storm occurred on 3/26/2025 causing dust plumes to pick up across the area. A water truck was used in dry areas to suppress dust. No PM exceedances were detected at air station AM03 (fence line monitor) nor any other stations in work areas.

[Tank and air monitoring status viewer](#)

Particulate Air Monitoring Data (DusTrak) March 24-29, 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
3/24/2025	AM03	9:10	0.001	0.19	0.009	0.018	2.3%
	AM05	9:10	0	0.003	0	0.001	0.0%
	AM09	9:10	0	0.116	0	0.000	0.0%
	AM15	9:10	0	13.7	0.112	0.155	19.1%
3/25/2025	AM03	9:17	0.001	0.096	0.01	0.017	0.0%
	AM14	9:17	0	0.013	0.001	0.001	0.0%
	AM15	9:17	0.003	0.3	0.01	0.019	0.7%
3/26/2025	AM03	9:02	0.001	0.125	0.006	0.032	0.0%
	AM05	9:02	0.003	1.32	0.015	0.033	1.5%
3/27/2025	AM03	9:26	0	0.207	0.01	0.006	2.4%
	AM05	9:26	0	1.37	0.03	0.036	12.9%
	AM15	1:30	0	0.028	0.002	0.001	0.0%
3/28/2025	AM03	9:27	0	0.115	0.002	0.115	0.0%
	AM07	9:27	0	0.124	0.002	0.002	0.0%
	AM15	9:27	0	0	0	0.000	0.0%
	AM03	8:51	0	0.035	0.001	0.002	0.0%
3/29/2025	AM07	8:51	0	0.061	0.003	0.003	0.0%
	AM15	8:51	0.001	0.011	0.002	0.002	0.0%

VOC Air Monitoring Data (AreaRAE) March 24-29, 2025

Date	Air Monitoring Station	Total Run Time	VOC Min (ppb)	VOC Max (ppb)	VOC Average (ppb)	Percent of Readings Exceeding 5 ppm
3/24/2025	AM03	8:59	935	1864	1476	0%
	AM05	8:59	0	997	62	0%
3/25/2025	AM03	8:03	0	0	0	0%
	AM14	8:03	372	1161	844	0%
	AM15	8:03	66	208	123	0%
3/26/2025	AM03	9:17	0	375	114	0%
	AM05	9:17	1017	1333	1184	0%
3/27/2025	AM03	9:24	0	143	66	0%
	AM05	9:24	409	961	603	0%
3/28/2025	AM03	9:23	176	346	255	0%
	AM07	9:23	602	823	739	0%
	AM15	9:23	35	99	63	0%
3/29/2025	AM03	9:02	0	0	0	0%
	AM07	9:02	904	1010	953	0%
	AM15	9:02	0	287	68	0%

NH3 Air Monitoring Data (AreaRAE) March 24-29, 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
3/24/2025	AM03	8:59	0	0	0	0%
	AM05	8:59	0	0	0	0%
3/25/2025	AM03	8:03	0	0	0	0%
	AM14	8:03	0	0	0	0%
	AM15	8:03	0	0	0	0%
3/26/2025	AM03	9:17	0	1	0.19	0%
	AM05	9:17	0	0	0	0%
3/27/2025	AM03	9:24	0	0	0	0%
	AM05	9:24	0	0	0	0%
3/28/2025	AM03	9:23	0	0	0	0%
	AM07	9:23	0	1	0.07	0%
	AM15	9:23	1	1	1	0%
3/29/2025	AM03	9:02	0	0	0	0%
	AM07	9:02	0	0	0	0%
	AM15	9:02	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
Running Total	1,110 hrs	111,000 gal	272,023 gal	20,977 gal	74,327 gal	2,677 gal

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

EPA continues to collect and manage more water then it can evaporate. The main water collection location is the secondary containment throughout the retort area.

Disposal / recycling:

- RCRA Debris Rolloff boxes: 20 boxes of concrete
- Non RCRA Rolloff boxes: 0
- Unprepared Scrap Steel: 2
- Stainless Steel: 0
- Creosote / Penta sludge: 0