

## Operational Period #32

- Began removal operations on Retort 81, 82, 83, and 84:
  - Approximately 75% of Retort 82 has been removed. The retort's thickness ranges from 1 to 1.5 inches, necessitating the use of plasma torches for cutting through the metal. Due to the presence of Pentachlorophenol (PCP) and diesel residue, a fire watch station is required during all torch operations. Consequently, all personnel must wear respiratory protection and personal protective equipment (PPE) for safety.
  - To maintain access to the retorts during their removal, concrete extracted from DU02 and DU03 will be used to temporarily fill the gaps in the containment area. After all retorts have been removed, this concrete will be taken out before dismantling the containment area within the retort section.
  - A substantial amount of sludge was extracted from Retort 83, necessitating workers to enter the full length of the 150-retort to access the material using a vacuum truck hose. During this operation, both retort doors were either opened or removed, appropriate air monitoring was conducted, and workers utilized the necessary respiratory protection and personal protective equipment.
- EPA has completed the deconstruction of the secondary containment in the DU01 and Retort 85 areas. The secondary containment has been removed and backfilled with clean fill. Before backfilling, EPA installed a 6-mil Dura Skrim as a barrier between the bottom of the excavation and the clean backfill. Additionally, another layer of 6-mil Dura Skrim was placed near the top of the backfilled area before adding gravel and clay material as a cap.
- Continued to collect, manage, and evaporate process water (see process metrics below)

### **Unmanned Aerial Systems (UAS) Activities:**

No flights during this operational period

### **Monitoring, Sampling, and Analysis**

- Air Monitoring: AM03, AM05, AM07
- Test Pits: excavated one test pit in DU01, under the former locations of Retort 85. No odor, staining, or water with sheen were observed.
- EPA collected one ground water sample on Wednesday 4/2 at Retort 85 test pit.

[Tank and air monitoring status viewer](#)

#### Particulate Air Monitoring Data (DusTrak) March 31 - April 5, 2025

Date	Air Monitoring Station	Total Run Time	Min (mg/m <sup>3</sup> )	Max (mg/m <sup>3</sup> )	Average (mg/m <sup>3</sup> )	Max TWA	Percent of Readings Exceeding 0.07 mg/m <sup>3</sup>
3/31/2025	AM03	9:19	0	0.047	0.001	0.001	0.0%
	AM05	9:19	0	0.014	0	0.000	0.0%
4/1/2025	AM03	8:10	0	0.044	0.003	0.005	0.0%
	AM05	8:10	0	2.41	0.024	0.036	6.7%
4/2/2025	AM03	9:01	0	0.09	0.004	0.004	0.0%
	AM07	9:01	0.001	0.093	0.003	0.004	0.0%
4/3/2025	AM03	9:20	0.001	0.124	0.006	0.012	0.8%
	AM07	9:20	0.002	1.33	0.014	0.022	2.8%
4/4/2025	AM03	9:32	0.002	0.065	0.008	0.016	0.0%
	AM07	9:32	0.006	2.02	0.024	0.026	5.2%
4/5/2025	AM03	8:22	0.001	0.094	0.005	0.005	0.0%
	AM07	8:22	0	0.115	0.009	0.008	0.0%

#### VOC Air Monitoring Data (AreaRAE) March 31 - April 5, 2025

Date	Air Monitoring Station	Total Run Time	VOC Min (ppb)	VOC Max (ppb)	VOC Average (ppb)	Percent of Readings Exceeding 5 ppm
3/31/2025	AM03	9:00	929	1139	1047	0%
	AM05	9:00	138	381	246	0%
4/1/2025	AM03	8:11	0	0	0	0%
	AM05	8:11	294	479	388	0%
4/2/2025	AM03	7:00	0	24	3	0%
	AM07	7:00	728	911	829	0%
4/3/2025	AM03	9:16	0	35	6	0%
	AM07	9:16	514	961	727	0%
4/4/2025	AM03	8:51	0	1	0	0%
	AM07	8:51	194	639	408	0%
4/5/2025	AM03	6:07	0	0	0	0%
	AM07	6:07	0	1413	228	0%

#### NH3 Air Monitoring Data (AreaRAE) March 31 - April 5, 2025

Date	Air Monitoring Station	Total Run Time	NH <sub>3</sub> Min (ppm)	NH <sub>3</sub> Max (ppm)	NH <sub>3</sub> Average (ppm)	Percent of Readings Exceeding 25 ppm
3/31/2025	AM03	9:00	0	0	0	0%
	AM05	9:00	0	0	0	0%
4/1/2025	AM03	8:11	0	0	0	0%
	AM05	8:11	0	1	0.074	0%
4/2/2025	AM03	7:00	0	1	0.001	0%
	AM07	7:00	0	0	0	0%
4/3/2025	AM03	9:16	0	0	0	0%
	AM07	9:16	0	0	0	0%
4/4/2025	AM03	8:51	0	1	0.002	0%
	AM07	8:51	0	0	0	0%
4/5/2025	AM03	6:07	0	0	0	0%
	AM07	6:07	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	20,977gal	10,200 gal	0 gal
3/30/2025-4/5/2025	168 hrs	5,000 gal	265,148 gal	27,852 gal	11,875 gal	425 gal
<b>Running Total</b>	<b>1,278 hrs</b>	<b>116,000 gal</b>	<b>265,148 gal</b>	<b>27,852 gal</b>	<b>86,202 gal</b>	<b>3,102 gal</b>

### Key:

N/A= Not Applicable. No water has been processed at this time.

gal = Gallons

hrs = Hours

A second evaporator has been requested / ordered and should mobilize in early May.

Disposal / recycling:

- RCRA Debris Rolloff boxes: 1
- Non RCRA Rolloff boxes: 0
- Unprepared Scrap Steel: 22.23 tons
- Stainless Steel: 0
- Creosote / Penta sludge: 0