

### Operational Period #33

- Retort 82 has been removed
- Continued sludge removal from Retort 83 and 81.
- Began cutting Retort 81 and 83.
- Control room mercury switches were collected on 04/12/2025 and placed in a bucket with a lid. The bucket will be placed in the lab on Monday with other mercury containing items
- Backfill material will be brought in to regrade the containment areas once removed
- Approximately 850 tons of processed sludge are stored onsite - this is an increase of 50 tons.
- Continued to collect, manage, and evaporate process water (see process metrics below)

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

1 flight conducted this week on 04/12/2025

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

- Air Monitoring: AM03, AM07
- [Test pit sample results](#)

[Tank and air monitoring status viewer](#)

### Particulate Air Monitoring Data (DusTrak) April 7-12, 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>
4/7/2025	AM03	9:27	0	0.058	0.004	0.042	0.0%
	AM07	9:27	0	0.626	0.005	0.043	1.0%
4/8/2025	AM03	9:08	0	0.454	0.002	0.002	0.1%
	AM07	9:08	0.001	0.367	0.003	0.003	0.0%
4/9/2025	AM03	9:04	0	0.076	0.003	0.005	0.0%
	AM07	9:04	0.003	1.24	0.015	0.018	4.3%
4/10/2025	AM03	9:23	0	0.059	0.004	0.026	0.0%
	AM07	9:23	0	0.444	0.011	0.017	2.1%
4/11/2025	AM03	8:55	0.001	0.057	0.003	0.003	0.0%
	AM07	8:55	0	69.3	0.272	0.444	24.4%
4/12/2025	AM03	7:31	0	0.078	0.003	0.004	0.0%
	AM07	7:31	0	57.7	0.183	0.286	18.4%

### VOC Air Monitoring Data (AreaRAE) April 7-12, 2025

Date	Air Monitoring Station	Total Run Time	VOC Min (ppb)	VOC Max (ppb)	VOC Average (ppb)	Percent of Readings Exceeding 5 ppm
4/7/2025	AM03	9:19	10	23	16	0%
	AM07	9:19	377	770	470	0%
4/8/2025	AM03	9:01	0	0	0	0%
	AM07	9:01	382	479	426	0%
4/9/2025	AM03	8:53	0	0	0	0%
	AM07	8:53	0	1025	180	0%
4/10/2025	AM03	9:14	0	9	2	0%
	AM07	9:14	368	549	449	0%
4/11/2025	AM03	8:44	0	841	32	0%
	AM07	8:44	138	250	189	0%
4/12/2025	AM03	7:34	0	212	125	0%
	AM07	7:34	0	38	5	0%

### NH3 Air Monitoring Data (AreaRAE) April 7-12, 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
4/7/2025	AM03	9:19	0	0	0	0%
	AM07	9:19	1	1	1	0%
4/8/2025	AM03	9:01	0	0	0	0%
	AM07	9:01	0	0	0	0%
4/9/2025	AM03	8:53	0	0	0	0%
	AM07	8:53	0	0	0	0%
4/10/2025	AM03	9:14	0	0	0	0%
	AM07	9:14	1	1	1	0%
4/11/2025	AM03	8:44	0	0	0	0%
	AM07	8:44	0	1	0.012	0%
4/12/2025	AM03	7:34	0	0	0	0%
	AM07	7:34	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	265,148 gal	27,852 gal	11,875 gal	425 gal
4/6/2025-4/12/2025	165 hrs	5,000 gal	258,098 gal	34,902 gal	12,050 gal	425 gal
<b>Running Total</b>	<b>1,443 hrs</b>	<b>121,000 gal</b>	<b>258,098 gal</b>	<b>34,902 gal</b>	<b>98,252 gal</b>	<b>3,527 gal</b>

**Key:**

N/A= 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: 1 30-yard rolloff, 1 flatbed
- Stainless Steel: 0
- Creosote / Penta sludge: 0