

Cosmo Specialty Fibers Time-Critical Removal Action

Operations Summary 8/31/26 through 9/5/26

Summary of Site Activities

During this reporting period, EPA conducted the following activities:

- Continued treating acidic red liquor waste and shipping treated liquid waste off-site for disposal.
- Three tanks were emptied (PBE-214, PBE-290, PBE-291), while pumping waste out of Digester 9/PHE-244 began.
- Electrician installed wiring in the Pulp Building for pump operations.
- Seven drums in the Powerhouse were labeled and added to the small container inventory; all contain Optimer Flocculant.
- Submitted a sample of weak red liquor from a holding tank (PHE-244) for waste profiling.
- Accumulator 3/PBI-248 was vented overnight; air monitoring readings remained non-detect.
- Sample results from Accumulator 1/PBI-246 were received, indicating the presence of various contaminants of concern.
- Arranged for an upcoming Public Engagement Meeting.

Waste Management Log

- Approximately 16,000 gallons of acidic red liquor were treated on-site each day. As of 9/4/2026, 124,549 gallons of red liquor had been drained from tanks and neutralized.
- Three truckloads of liquid waste material were loaded onto trucks and shipped off-site daily (excluding Saturdays and Sundays) for disposal, totalling 82,280 gallons by 9/4/2026.

Tank Status Map and Metrics

- Tank volumes from preliminary estimates were updated based on current investigations and measurements.
- Seven tanks confirmed to be empty were updated on the data dashboard.
- EPA and START met to improve the data dashboard's layout.

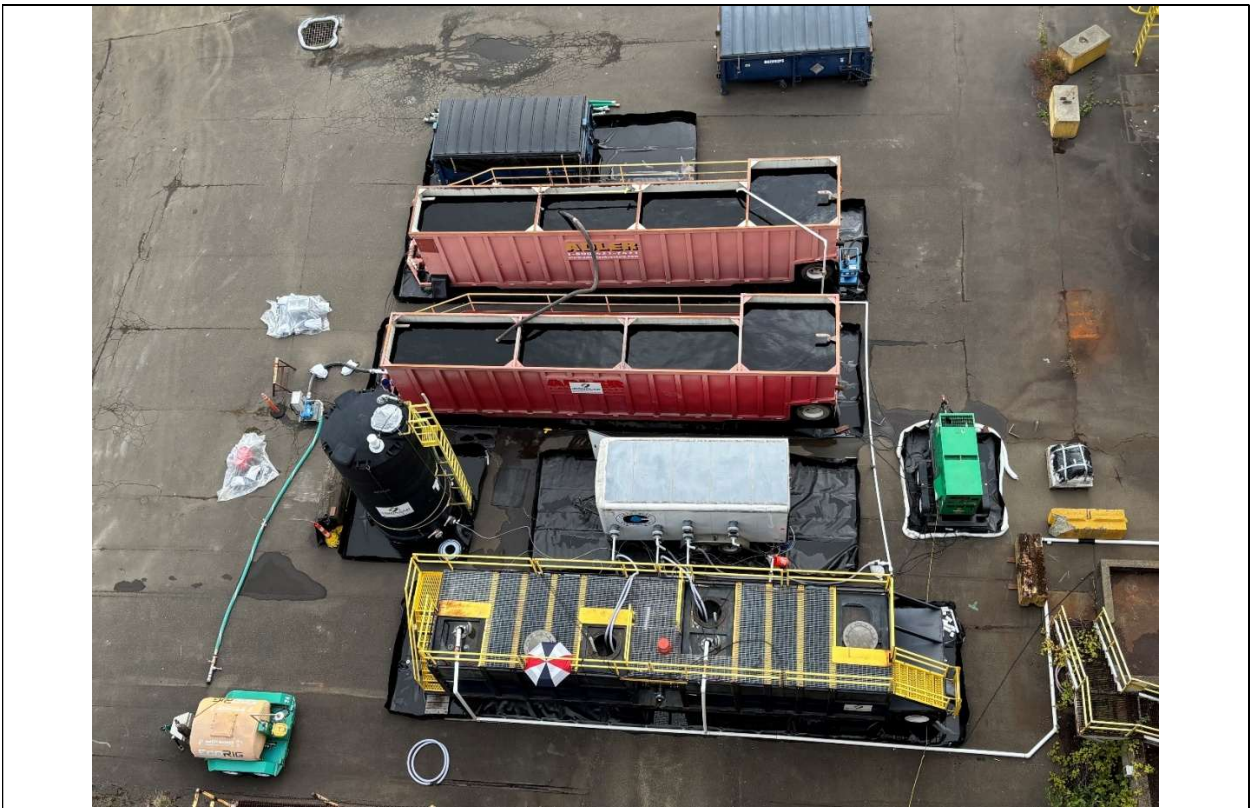
Air Monitoring Data

The table below summarizes monitoring data collected using EPA's air monitoring system.

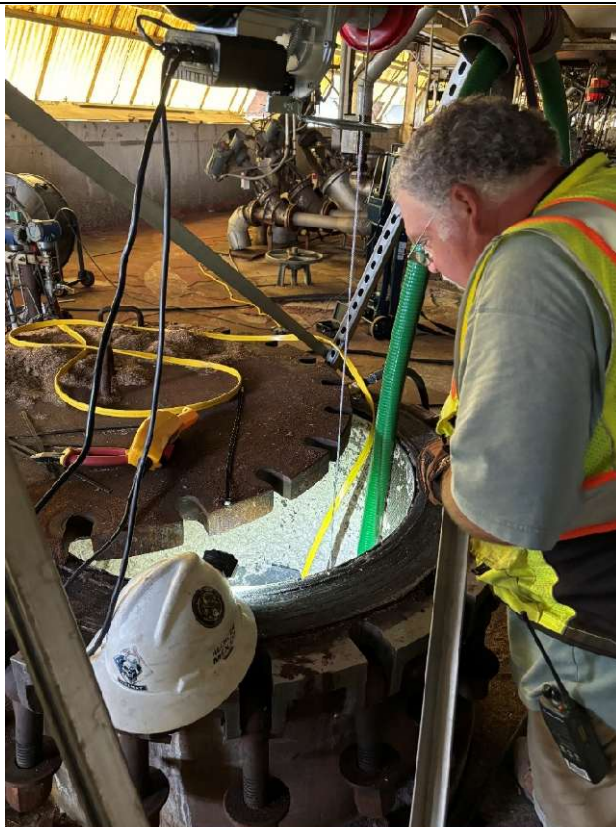
Location	Instrument	Sensor	Sensor Units	Minimum Reading	Maximum Reading	Period Average	Action Level
AM01 - Perimeter	SidePakAM520	-	mg/m ³	0.	2.43	0.01	0.035 mg/m ³
	xam8000	CO	ppm	0.	4.	0.21	27 ppm
		H2S	ppm	0.	0.	0.	0.33 ppm
		LEL	%LEL	0.	1.	0.	10 %
		SO2	ppm	0.	0.1	0.	0.2 ppm
		VOC	ppm	0.	0.	0.	9 ppm
AM02 - Treatment Ops	SidePakAM520	-	mg/m ³	0.	0.62	0.01	0.035 mg/m ³
	xam8000	CO	ppm	0.	19.	0.	27 ppm
		H2S	ppm	0.	0.	0.	0.33 ppm
		LEL	%LEL	0.	3.5	0.	10 %
		SO2	ppm	0.	0.1	0.	0.2 ppm
		VOC	ppm	0.	0.	0.	9 ppm
AM03 - Command Post Trailers	SidePakAM520	-	mg/m ³	0.003	0.117	0.0164	0.035 mg/m ³
	xam8000	CO	ppm	0.	13.	0.	27 ppm
		H2S	ppm	0.	0.	0.	0.33 ppm
		LEL	%LEL	0.	1.5	0.	10 %
		SO2	ppm	0.	0.1	0.	0.2 ppm
		VOC	ppm	0.	0.	0.	9 ppm
AM04 - Pre-Treatment Tank OPS	SPM Flex	H2SO4	ppb	0.	750.	2.4	50 ppb

Note: Negative measurements were replaced with zero values, as the observed negative readings were considered an artifact of sensor drift. Key: % = Percent ppb = Parts per billion mg/m ³ = milligrams per cubic meter TCRA = Time Critical Removal Action PM = Particulate matter ppm = Parts per million	Analyte	Definition	Action Level Reference
	PM	Particulate matter (2.5)	OSHA PEL
	CO	Carbon Monoxide	AEGL2-8hr avg
	H2S	Hydrogen Sulfide	AEGL1-8hr avg
	LEL	Lower Explosive Limit	OSHA/ NIOSH/ ACGIH
	SO2	Sulfur Dioxide	AEGL1-8hr avg
	VOC	Volatile Organic Compounds	AEGL1-8hr (for benzene)

Site Photos



Aerial view of acid treatment plant.



EPA contractor installing a submersible pump into digester to pump out acid waste.