



Regulatory Update (Suncor & Oil & Gas)

City Council Meeting, May 6, 2024
Dr. Rosemarie Russo

Industrial Pollution Prevention (GEMMs 2) HB 24-1339 (Rep Weissman)

- AFLCIO and Commerce City Chamber Opposed
- Health Advocates Support
- AQCC Composition
- GEMMs and Environmental Justice Standards

- Did not pass Committee



Suncor Air Exceedance Reports

Date	Media Impact	Location/Unit	Summary	Permit Limit	Exceedance	Community Impact
3/8/2024	Air	Plant 1 – Main Flare	The Hydrogen Sulfide (H2S) concentration in the Plant 1 Main Flare increased as a result of the startup of the Hydrogen Unit	Title V Operating Permit 96OPAD120, Condition 29.9: Plant 1 flare gas shall not exceed 162 ppmv H2S averaged over a 3-hour period.	319 ppmv	CCNDAM - NOT TRIGGERED
3/5/2024	Air	Plant 1 – Main Flare	The hydrogen sulfide (H2S) concentration in the Plant 1 Main Flare increased as a result of a planned shutdown.	Title V Operating Permit 96OPAD120, Condition 29.9: Plant 1 flare gas shall not exceed 162 ppmv H2S averaged over a 3-hour period.	308 ppmv	CCNDAM - NOT TRIGGERED

Suncor Air Exceedance Reports

Date	Media Impact	Location/Unit	Summary	Permit Limit	Exceedance	Community Impact
2/26/2024	Air	Plant 1 – Tail Gas Incinerator	The No. 1 Sulfur Recovery Unit (SRU) closed due to a malfunction. The malfunction resulted in increased sulfur dioxide (SO2) concentrations in the Plant 1 Tail Gas Incinerator (H-25).	Title V Operating Permit 96OPAD120, Section II, Condition 20.1 – SO2 from the tail gas incinerator (H25) shall not exceed 15.68 lbs/hr.	33.00 lbs/hr	CCNDAM - NOT TRIGGERED
2/25/2024	Air	Plant 1 – Tail Gas incinerator (H-25)	The No. 1 Sulfur Recovery Unit (SRU) closed due to a malfunction. The malfunction resulted in increased sulfur dioxide (SO2) concentrations in the Plant 1 Tail Gas Incinerator (H-25).	Title V Operating Permit 96OPAD120, Section II, Condition 20.1 – SO2 from the tail gas incinerator (H25) shall not exceed 15.68 lbs/hr.	19.11 lbs/hr	CCNDAM - NOT TRIGGERED
		Plant 1 - Main	On February 25, 2024 at approximately 7:15 a.m., the net heating value in the combustion zone of the Plant 1 Main Plant Flare dropped below 270 Btu/scf	Maintain the net heating value in the combustion zone (NHVcz) of the Plant 1 Main Plant Flare above 270	Maintain the net heating value in the combustion zone (NHVcz) of the Plant 1 Main Plant Flare below	CCNDAM - NOT

Suncor Air Exceedance Reports

Date	Media Impact	Location/Unit	Summary	Permit Limit	Exceedance	Community Impact
2/11/2024	Air	Plant 1 - Main Flare	An increase in the H2 flow to the flare header and exceeded the capacity of the Flare Gas Recovery Unit (FGRU), which in turn caused hydrogen sulfide (H2S) rich gases to be routed to the Plant 1 Main Flare	Title V Operating Permit 96OPAD120, Condition 29.9: Plant 1 flare gas shall not exceed 162 ppmv H2S averaged over a 3-hour period.	320 ppmv - 3 hrs	CCNDAM - NOT TRIGGERED
2/11/2024	Air	Plant 1 - Main Flare	An increase in the H2 flow to the flare header and exceeded the capacity of the Flare Gas Recovery Unit (FGRU), which in turn caused hydrogen sulfide (H2S) rich gases to be routed to the Plant 1 Main Flare	Title V Operating Permit 96OPAD120, Condition 29.9: Plant 1 flare gas shall not exceed 162 ppmv H2S averaged over a 3-hour period.	Maximum H2S was 320 ppmv - 3 hrs	CCNDAM - NOT TRIGGERED
2/11/2024	Air	Plant 1 - Main Flare	An increase in the H2 flow to the flare header and exceeded the capacity of the Flare Gas Recovery Unit (FGRU), which in turn caused hydrogen sulfide (H2S) rich gases to be routed to the Plant 1 Main Flare	Title V Operating Permit 96OPAD120, Condition 29.9: Plant 1 flare gas shall not exceed 162 ppmv H2S averaged over a 3-hour period.	Maximum H2S was 320 ppmv - 3 hrs - 3 hr event	CCNDAM - NOT TRIGGERED

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Date	Media Impact	Location/Unit	Summary	Permit Limit	Exceedance	Community Impact
1/31/2024	Water	Outfall No. 002B	Water in Lagoon No. 2, which is upstream of Outfall 002B, was found to have an elevated benzene concentration. Internal outfall exceeded limit - next day Outfall was tested - under limit.	Applicable daily maximum permit limit of 5 ug/L.	7 ug/L	Unknown
1/19/2024	Air	Plant 1 - Main Plant Flare	The No. 1 Crude Unit and the No. 2 HDS maintenance activity caused a release of hydrogen sulfide (H2S).	Title V Operating Permit 96OPAD120, Condition 29.9: Plant 1 flare gas shall not exceed 162 ppmv H2S averaged over a 3-hour period.	292 ppmv	CCNDAM - NOT TRIGGERED
1/18/2024	Soil	Plant 1 – Tank 60	Hazardous waste (F038) was released to soil . Remediation completed by January 22, 2024. All waste generated as a result of the release (including excavated soil and decontamination materials) was managed and disposed of as hazardous waste six days later.	16 ounces CERCLA limit	5,376 oz	Unknown



Oil and Gas Update



SB: Exemption from Forced Pooling (3/13/24)

- (1) Exempt government-owned minerals;
- (2) Ensure that evidence of the 45% mineral threshold for forced pooling is supported by real evidence; and
- (3) Ensure that forced pooling happens before wells are drilled and/or minerals are extracted.

www2.leg.state.co.us/CLICS/CLICS2024A/commsumm.nsf/signIn.xsp



Thank-you!

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