

# Suncor & Oil and Gas Update

- City Council Meeting, February 5, 2024
- Dr. Rosemarie Russo

Date	Media	Location	Description	Permit Limit	Violation	Community Monitor
	Air		<b>WAITING ON DATA</b>			The Commerce City North Denver Air Monitoring network of sensors within a three-mile radius of the refinery did not detect any levels above the acute health reference guidelines during this event.
	Air					



# Suncor 2018 – 2022 Hours of Exceedances

Pollutant	Plants 1 & 3	Plant 2	Totals
Hydrogen Sulfide (H <sub>2</sub> S)	2868	810	3678
Sulfur Dioxide (SO <sub>2</sub> )	4510	655	5165
Carbon Monoxide	1308	394	1702
Nitrogen Oxides (NO <sub>2</sub> )*	284	0	284
Opacity	546	126	672
* 2022 NO <sub>2</sub> data wasn't available	9516	1985	11,501

# Suncor

## 2023 Hours of Exceedances

Total Hours of Non - Compliance 2023			
	Plants 1 & 3	Plant 2	Totals
Hydrogen Sulfide (H <sub>2</sub> S)	174	67	241
Sulfur Dioxide (SO <sub>2</sub> )	213	21	234
Carbon Monoxide (CO)	114	61	175
Nitrogen Oxides (NO <sub>2</sub> )	0	0	0
Opacity	49.45	23.75	73.2
Other	49.4	29.5	78.9
<b>Totals</b>			<b>802.1</b>

## 2023 Pollutant Exceedances

Total Exceedance Amounts 2023		
Pollutant	Total Amount	Unit of Measure
Hydrogen Sulfide (H <sub>2</sub> S)	3347	ppm
Sulfur Dioxide (SO <sub>2</sub> )	26,240	ppm
Sulfur Dioxide (SO <sub>2</sub> )	8768.13	lb/hr
Carbon Monoxide (CO)	23,993	ppm
Nitrogen Oxides (NO <sub>2</sub> )	NA	NA
Opacity	982	%
Benzene	29	ug/L
TSS	248	lb/day
Flares	158	mins

# GHG Trading Guidance

Define a methodology to allow GEMM 1 facilities to sell credits to GEMM 2 facilities without compromising the overall GEMM 2 group's 20% by 2030 reduction target.

- GEMM 1 facilities generate credits through intensity-based GHG reductions (i.e. operating more efficiently than an intensity target).
- GEMM 2 facilities generate credits through mass-based GHG reductions (i.e. achieving below a mass-based target).

# GHG Trading Guidance

- ❖ What the guidance can't do:

- Change requirements or language in the existing GEMM rule.
- Add new, non-voluntary requirements to the GEMM rule

# Oil and Gas Update

# Cumulative Impact ECMC

Cumulative Impact Rule:

[https://ecmc.state.co.us/hearings.html#/rulemaking/cumulative\\_impacts](https://ecmc.state.co.us/hearings.html#/rulemaking/cumulative_impacts).

Issues of concern include, but are not limited to:

- Definition of Cumulative Impacts, particularly the 1 mile radius;
- Impacts from permit exceedances;
- Consultation and notice requirements (application and pre-application)
- Community Outreach;
- Potential impacts of condensing pre-production operations in October through April
- Lesser Impact Areas;
- Engagement with local governments, CDPHE, and the public (i.e., Ozone Nonattainment);
- Verification and follow-up of Operator proposed cumulative impacts;
- Enforcement mechanisms and provisions;
- Legacy and transportation pollution (i.e., Rocky Mountain Arsenal).



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Thank you!