



Environmental Planning and Policy Update

City Council Meeting May 2021



Oil and Gas Update



City Oil & Gas Permit Applications

- Five applications are currently deemed complete and being processed by the city
- Eight Oil and Gas Permits had previously been submitted and deemed complete by the city – all by Extraction
- One application (Condor) does not currently have complete information to begin processing
- Two applications (Harlo and Anteater) were withdrawn due to inactivity.

Site Name	Case Number	Operator	Council Action Required	Well Count
Pelican	OG-002-19	Extraction Oil and Gas	Conditional Use Permit	28
Heron	OG-003-19	Extraction Oil and Gas	Conditional Use Permit	24
Blue Jay	OG-004-19	Extraction Oil and Gas	Rezoning	18
Owl	OG-005-19	Extraction Oil and Gas	Rezoning	18
Falcon	OG-006-19	Extraction Oil and Gas	Rezoning	18

- All operators have asked (at the request of the city) that holds be placed on the processing of all Form 2A's, with the additional request of a 2nd comment period.
- Oil and Gas Permits may not be approved until Council actions have occurred *and* a CUP for a pipeline has been approved by Council, per the ROA.....

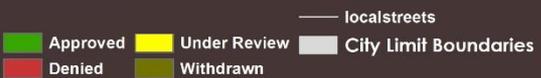
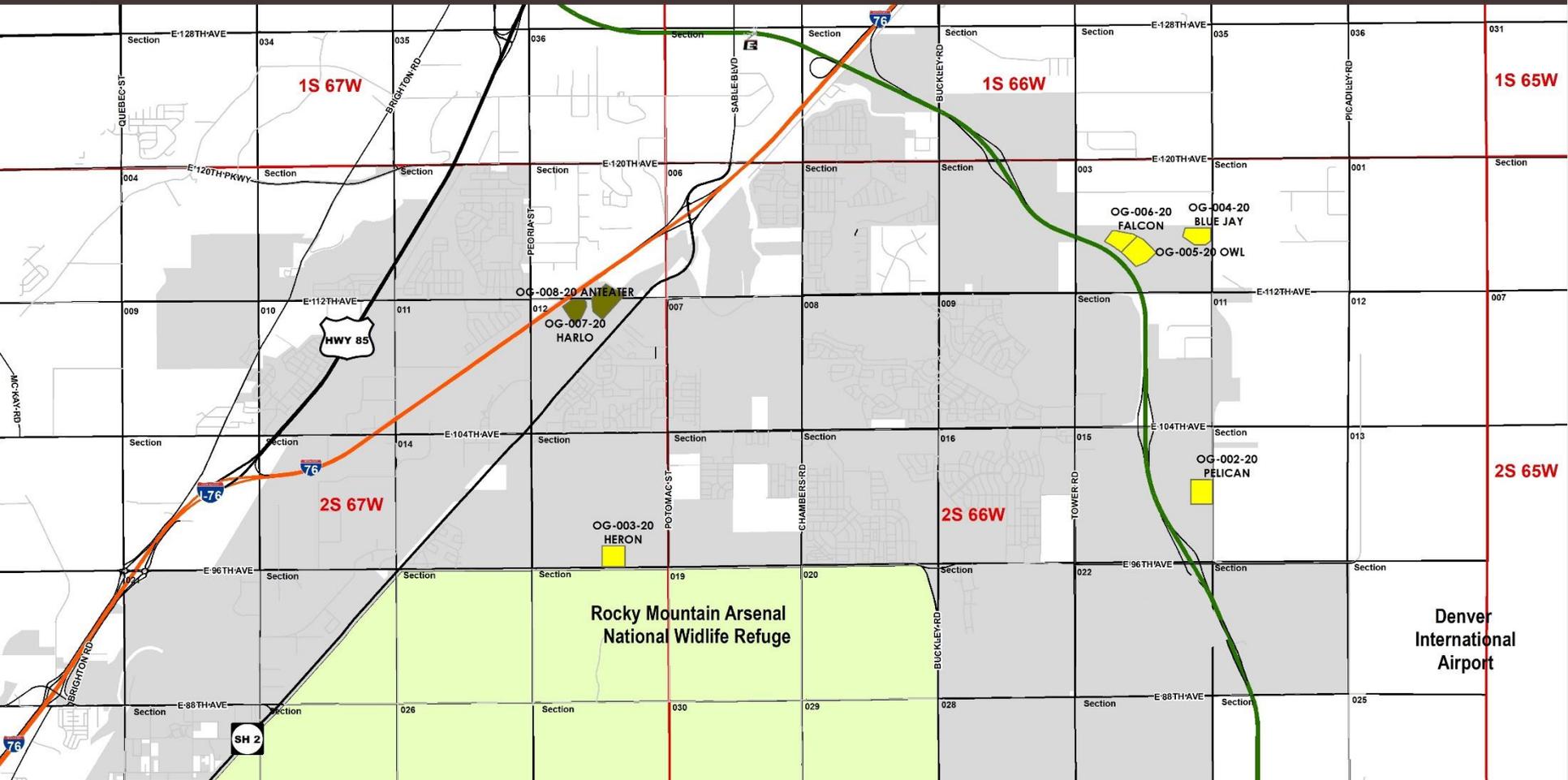


City Oil and Gas Permits



Submitted City Permits

Active as of 10/22/2020



State Permit Applications

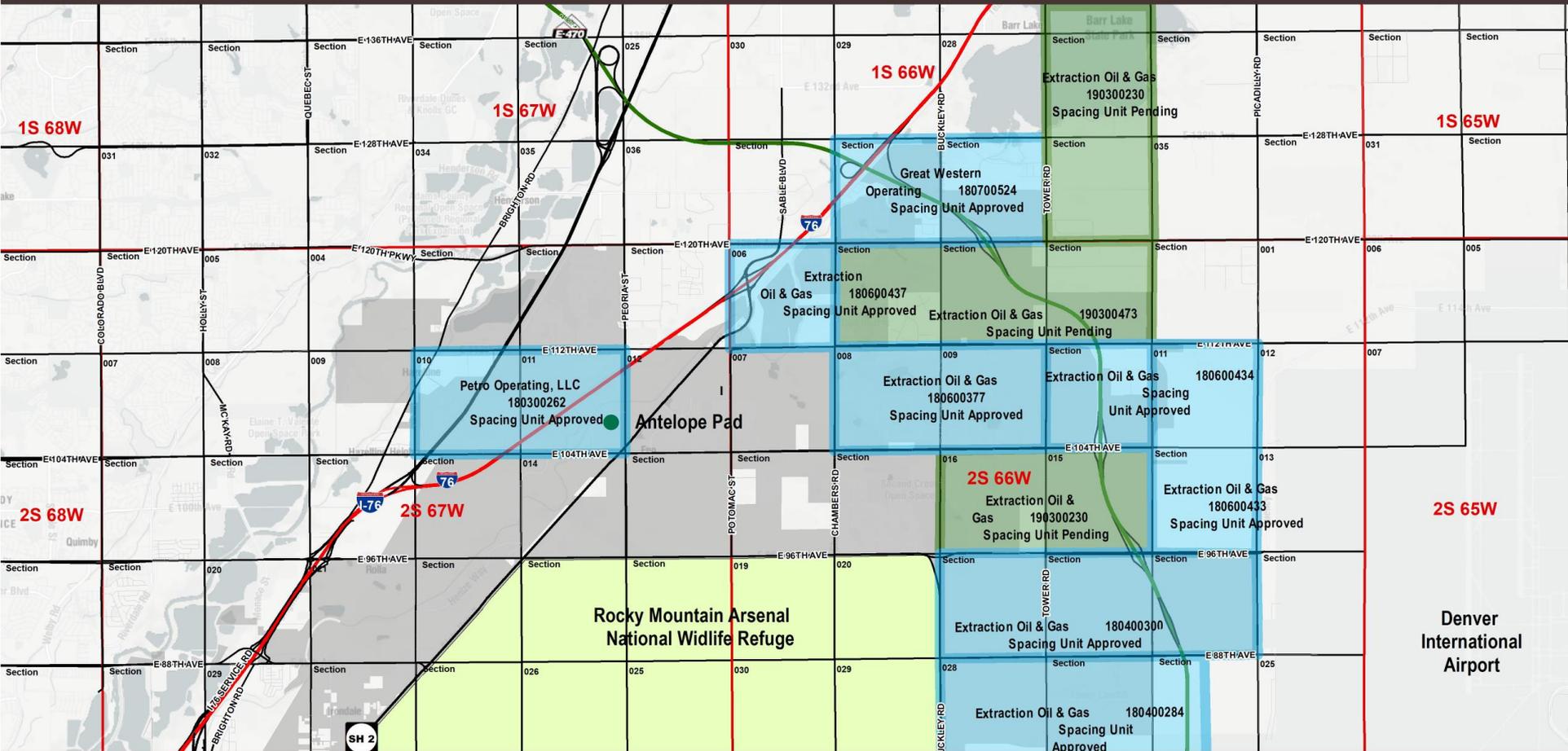
- Since last update, all 2a applications by Extraction Oil and Gas have been voluntarily withdrawn by the operator
 - Local land use permits may proceed forward, but issuance of a final building permit would be contingent on issuance of a state permit, and any conditions imposed on such permit
- No timeline for when / if re-filing will occur
- Antelope Pad (Petro Operating) is the only remaining pending 2a application.

Map of COGCC Activity



Applications to the COGCC Within CommerCITY Boundaries

Active as of 4/26/2021



Status of State Applications

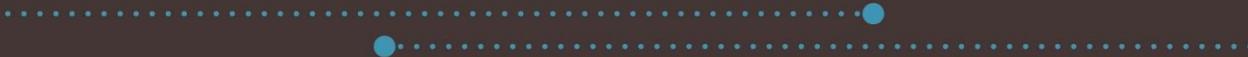
- Spacing Unit Approved
- Spacing Unit Pending
- City Limit Boundaries
- Pending Form 2A
- Approved Form 2A



*This map represents all pending Form 2A applications, and spacing applications that have been submitted by Oil & Gas operators to the COGCC. Approval of a spacing unit by the COGCC does not constitute the ability to drill, unless Form 2's and 2a's within that section are also approved, and a city permit has been issued.



Environmental Update



General Updates

- Suncor Title V Permit (Plant 2) Public Comment Period
 - Public comment hearing #2 with the Air Quality Control Commission (AQCC) scheduled for tomorrow night from 6-8PM. Attendance and registration info [here](#).
 - Hearing #1 was held on May 1, 2021 from 8AM – 10AM
 - State will accept written comments up until the date of the hearing. Submit comments [here](#).
 - Commerce City Staff will be providing comments during hearing #2

- Suncor Root Cause Investigation (Kearney Report)
 - Required by the March 6, 2020 settlement agreement – root cause investigation into air quality violations between July 2017 and June 2019.
 - Highlights personnel, process improvements, and capital investments / physical upgrades that the refinery could implement to reduce upset events in the future.
 - A full copy of the Kearney report and implementation plan can be found [here](#).



General Updates

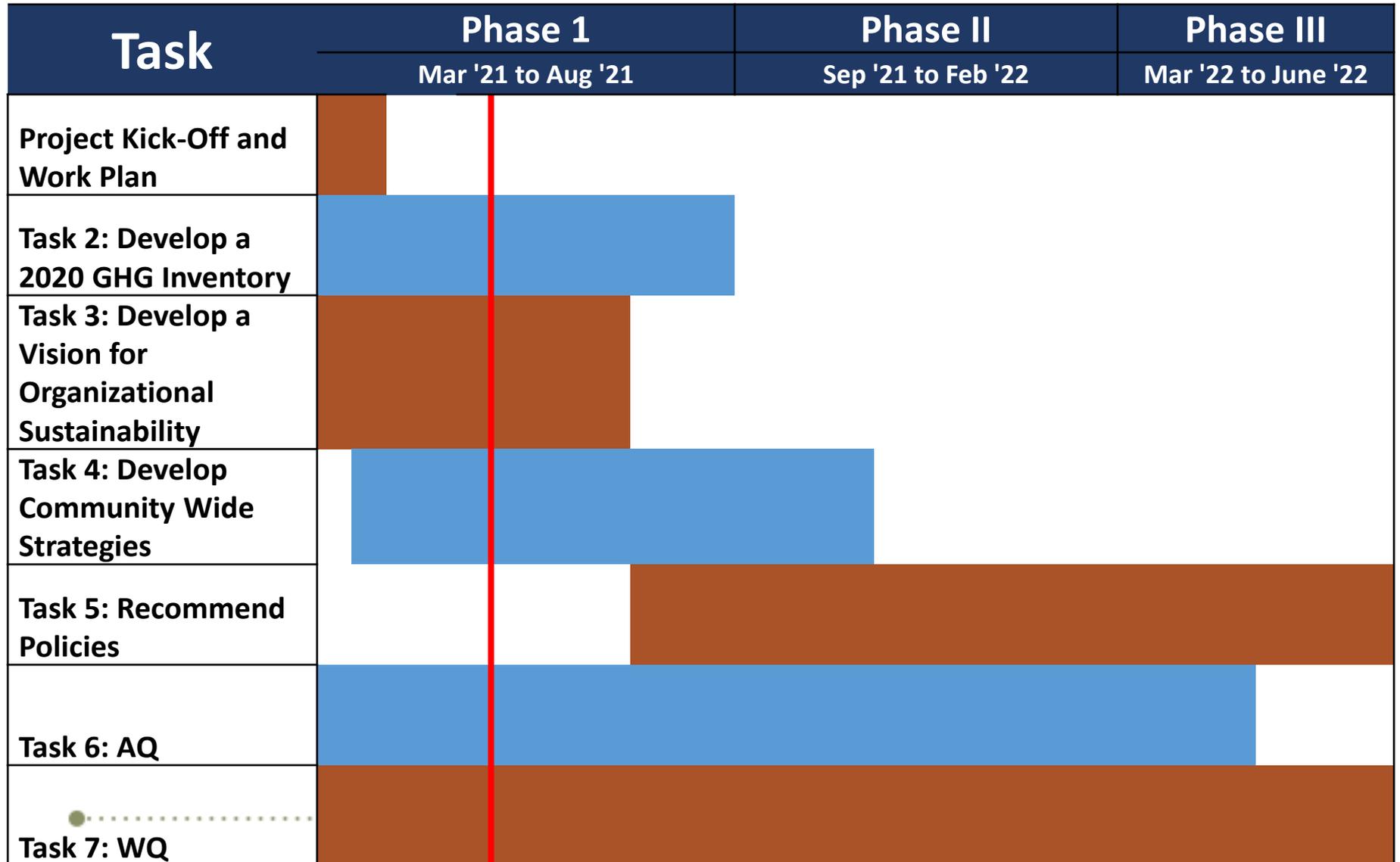
- Suncor Supplemental Environmental Projects (SEP)
 - Evaluation committee has selected 5 projects for funding
 - Cultivando: Community Air Monitoring Program A
 - Cultivando: Community Air Monitoring Program B
 - Globeville First – Tree Planting Project
 - DeSmog Denver – Clean Schools Clean Air
 - Tierra Collectiva – Community Stewardship of Small Parcels
 - Will vote to determine how to allocate remaining \$350,000 during final meeting on April 26
 - See all SEP applications [here](#).



Policy Development Update

- All kickoff meetings have been completed
- Organizational Sustainability
 - Staff interviews being scheduled with key staff stakeholders during May / June
 - Survey to all City employees on organizational sustainability methods to be circulated this month
- GHG inventory in process
- Community Engagement
 - *“Environmental Justice and Environmental Policy Steering Committee”*
 - Citizen group will provide direction to City Staff & consultant on community wide environmental policy development, municipal operations, and strategies and methods to pursue equity around environmental justice issues
 - Focus and emphasis on including members and receiving input from historically underrepresented & marginalized communities
 - Resolution on Committee formation to be presented to Council for consideration during the May 17 meeting
 - Council would conduct interviews during Quarter 2 Boards & Commissions interviews
 - Individual staff interviews with Councilmembers were conducted on methods to effectively engage residents within the Core City on environmental topics

Timeline - Policy Development



CDPHE Information on Suncor

- 15 exceedances by Suncor since last update (March 27 – April 22)
 - 3/30: Exceedance of Hydrogen Sulfide (H₂S) limit of 162ppm in flare gas (3-hr average)
 - Max reported value of 318ppm, Occurred at Plant 1 Main Flare due to shutdown of flare gas recover unit for maintenance
 - 3/30: Exceedance of Sulfur Dioxide (SO₂) limit of 500 lbs/24 hr period
 - Max reported value of 513 lbs, Occurred at Plant 1 Main Flare due to shutdown of flare gas recover unit for maintenance
 - 4/13: Exceedance of Carbon Monoxide (CO) limit of 500ppm at 0% O₂ (1-hr average)
 - Max reported value of 2,031ppm, Occurred during startup of Plant 2 FCCU
 - 4/13: Exceedance of 20% opacity limit (6 minute average)
 - Max reported value of 22%, Occurred during startup of Plant 2 FCCU
 - 4/13: Exceedance of Hydrogen Sulfide (H₂S) limit of 162ppm in flare gas (3-hr average)
 - Max reported value of 170ppm, Occurred during startup of Plant 2 FCCU
 - 4/18: Exceedance of 20% opacity limit (6 minute average)
 - Max reported value of 23%, Occurred at main plant flare during planned shutdown activities for 2021 turnaround maintenance event

a. Maximum self-reported violation value during event window

b. These are draft emissions estimates and are subject to revisions and/or updates. The final emissions will be reported on CDPHE's quarterly excess emissions reports.

c. Information regarding the cause of the deviation may change based on the results of pending investigations.



Commerce
CITY

CDPHE Information on Suncor

- 4/18: Exceedance of Carbon Monoxide (CO) limit of 500ppvmd at 0% O₂ (1-hr average)
 - Max reported value of 1,044ppm (1 hr average), Occurred at main plant flare during planned shutdown activities for 2021 turnaround maintenance event
- 4/18: Exceedance of Hydrogen Sulfide (H₂S) limit of 162ppm in flare gas (3-hr average)
 - Max reported value of 187ppm, Occurred at main plant flare during planned shutdown activities for 2021 turnaround maintenance event
- 4/19: Exceedance of Hydrogen Sulfide (H₂S) limit of 162ppm in flare gas (3-hr average)
 - Max reported value of 188ppm, Occurred at main plant flare during planned shutdown activities for 2021 turnaround maintenance event
- 4/20: Exceedance of Sulfur Dioxide (SO₂) limit of 15.68 lb/hr
 - Max reported value of 229 lbs/hr, Occurred at main plant flare during planned shutdown activities for 2021 turnaround maintenance event
- 4/20: Exceedance of Sulfur Dioxide (SO₂) limit of 250ppm at 0% O₂ (12-hr avg)
 - Max reported value of 1,773 ppm at 0% O₂ (12-hr avg), Occurred at main plant flare during planned shutdown activities for 2021 turnaround maintenance event

a. Maximum self-reported violation value during event window

b. These are draft emissions estimates and are subject to revisions and/or updates. The final emissions will be reported on CDPHE's quarterly excess emissions reports.

c. Information regarding the cause of the deviation may change based on the results of pending investigations.



CDPHE Information on Suncor

- 4/20: Exceedance of Hydrogen Sulfide (H₂S) limit of 162ppm in flare gas (3-hr average)
 - Max reported value of 237 ppm, Occurred at main plant flare during planned shutdown activities for 2021 turnaround maintenance event
- 4/20: Exceedance of Sulfur Dioxide (SO₂) limit of 500 lbs/24 hr period
 - Max reported value of 637 lbs, Occurred at main plant flare during planned shutdown activities for 2021 turnaround maintenance event
- 4/21: Exceedance of Sulfur Dioxide (SO₂) limit of 15.68 lb/hr
 - Max reported value of 56 lbs/hr, Occurred during planned shutdown activities for 2021 turnaround maintenance event
- 4/21: Exceedance of Sulfur Dioxide (SO₂) limit of 250ppm at 0% O₂ (12-hr avg)
 - Max reported value of 471 ppm at 0% O₂ (12-hr avg), Occurred during planned shutdown activities for 2021 turnaround maintenance event

a. Maximum self-reported violation value during event window

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c. Information regarding the cause of the deviation may change based on the results of pending investigations.



Suncor Monthly Report

- Is included as an attachment in the packet
- Is provided as a monthly update by Suncor
- Includes discussion on:
 - Refinery Notifications
 - Refinery Maintenance
 - Refinery Improvement Plan
 - Community Air Monitoring
 - Community Investments





Questions?

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City Council Meeting May 2021