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Oil & Gas Monthly Update

City Council Meeting September 2020

City Oil & Gas Permit Applications

- Seven 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

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
*Harlo	OG-007-19	Extraction Oil and Gas	Rezoning	32
*Anteater (Jacobson)	OG-008-19	Extraction Oil and Gas	Rezoning	36

*Pursuant to Exhibit A of the ROA, one of these sites may be permitted by the city, but *not* both.

- 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 Permits Deemed Complete

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Submitted City Permits

Active as of 1/2/2020

1S 68W
1S 67W
1S 66W
1S 65W
2S 68W
2S 67W
2S 66W
2S 65W

*Anteater Pad Extraction (36)

*Harlo Pad Extraction (32)

Owl Pad Extraction (18)

Blue Jay Pad Extraction (18)

Falcon Pad Extraction (18)

Heron Pad Extraction (24)

Pelican Pad Extraction (28)

Rocky Mountain Arsenal National Widlife Refuge

Denver International Airport

Planned Facility

City Limit Boundaries

*Per ROA, one site may be approved, but not both.

NORTH

0 1,400 2,800 5,600 8,400 11,200 Feet

Review Schedule

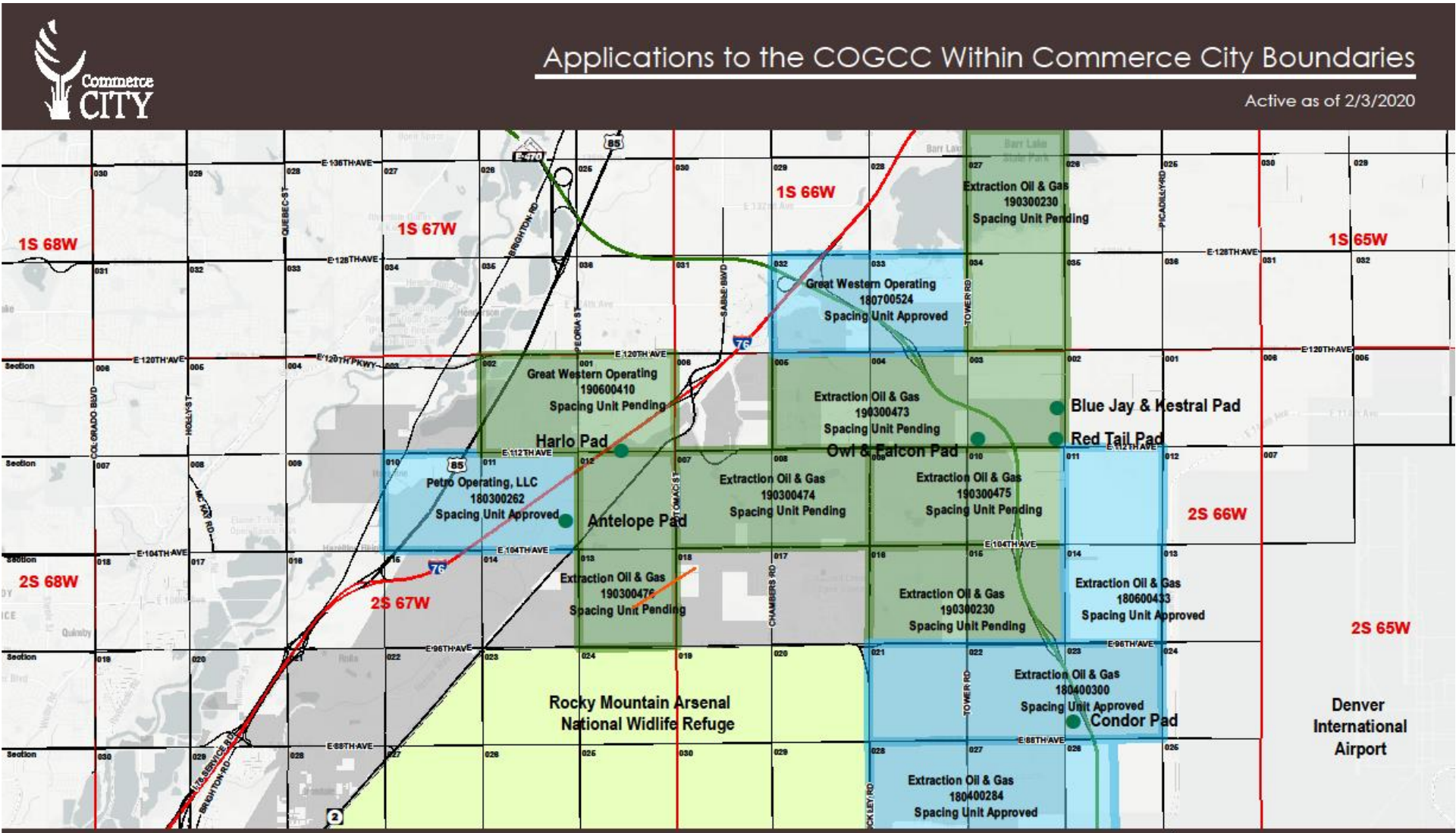
- Staff has submitted letter to Extraction Oil and Gas regarding inactive status of applications
  - Per LDC Section 21-3170, applicant has 30 days from issuance of letter to resubmit, before permit applications are deemed "withdrawn"

Site Name	Case Number	Date Permit Application Submitted to City	Date Permit Application Deemed Complete By Staff	Sent Out For Review On	Referral Agency Comments Due to Staff	Development Review Team Date	Permit Status (Approved / Pending / Denied / Withdrawn / Completeness Review)
Condor	OG-001-19	10/8/2019				**TBD**	Completeness Review
Pelican	OG-002-19	10/8/2019	10/21/2019	11/18/2019	12/30/2019	1/9/2020	Pending
Heron	OG-003-19	10/18/2019	11/4/2019	11/25/2019	1/6/2020	1/16/2020	Pending
Blue Jay	OG-004-19	10/17/2019	11/8/2019	12/2/2019	1/13/2020	1/23/2020	Pending
Owl	OG-005-19	10/17/2019	11/8/2019	12/5/2019	1/21/2020	1/30/2020	Pending
Falcon	OG-006-19	10/17/2019	11/8/2019	12/9/2019	1/27/2020	2/6/2020	Pending
Harlo	OG-007-19	10/21/2019	11/4/2019	12/13/2019	2/3/2020	2/13/2020	Pending
Anteater (Jacobson)	OG-008-19	12/10/2019	12/23/2019	1/10/2020	2/18/2020	2/20/2020	Pending

State Permit Applications

- Form 2, Form 2A & Spacing Unit applications unchanged from Aug 2020 Update

Map of COGCC Activity



General Updates

- City staff provided testimony during various state rulemakings related to Oil and Gas development:
  - COGCC mission change rulemaking – 8/26 & 9/8
  - AQCC Reg 7 rulemaking – 9/17
  - Staff testimony during rulemakings was based on the following
    - Proposed Oil and Gas LDC Draft Language
    - Prehearing Statement(s)
    - What staff communicated were areas of focus to Council during the June 8 study session
- SPOD Air Monitors will be deployed along sand creek properties late September / Early October by CDPHE
  - Screening for VOC's, SUMA canister triggers
  - Lightweight, solar powered modules with meteorological measurement capabilities
  - Staff continues to work with CDPHE staff
  - Communications will work to communicate to the public a week before equipment is deployed
- Staff working to set up presentation from Arsenal & CDPHE on Plume
- Presentation scheduled on 9/29 to discuss Environmental Services RFQ/RFP
  - Air Quality Monitoring
  - Water Quality Monitoring
  - Overall Environmental Policy Development
  - Evaluation of municipal facilities / operations

General Updates - SEP

- Staff is currently working to prepare RFA submissions to CDPHE based on Council feedback following 9/14 study session
- CDPHE tentative date for RFA submittal window: October 1 – November 14
  - Information session for organizations interested in applying for funding will be held on Oct. 22
- CDPHE hosting two virtual community forums
  - Wednesday, September 23rd | 6:00 pm - 8:00 pm [RSVP Link]
  - Saturday, September 26th | 10:00 am - 12:00 pm [RSVP Link]
- The forums above are intended to cover the following:
  - Community members to share insights on state engagement process to date
  - What type of criteria should be used for reviewing potential projects
  - Who should be on the state evaluation committee
  - How information on funded projects should be shared with the community.

CDPHE Information on Suncor

- Self reported air quality exceedances by Suncor August 1 – September 14
  - Startup of Plant 2 Crude unit: Aug 1
    - Exceedance of Hydrogen Sulfide (H_2S) limit of 162 ppm (3 hr avg): 291 ppm (Fuel Gas)[a]
  - Plant 1 Boiler Failures: Aug 13
    - Exceedance of Federal Emissions Opacity Limit of 30% (6 min average): 50%[a]
    - Exceedance of Carbon Monoxide limit of 500ppm (1 hr avg): 1,535 ppm
    - Exceedance of Hydrogen Sulfide (H_2S) limit of 162 ppm (3 hr avg): 194 ppm (Flare Gas), 176 ppm (Fuel Gas)[a]
    - Visible emissions exceedance of >5 min in a 2 hour period
    - Triggered shutdown of FCCU No 1
  - Startup of Plant 2 FCCU: Aug 17
    - Exceedance of Federal Emissions Opacity Limit of 30% (6 min average): 81%[a]
  - Startup of Plant 2 FCCU: Aug 25
    - Exceedance of Carbon Monoxide limit of 500ppm (1 hr avg): 569 ppm
  - Startup of Plant 2 FCCU: Aug 26
    - Exceedance of Federal Emissions Opacity Limit of 30% (6 min average): 40%[a]
    - Exceedance of Carbon Monoxide limit of 500ppm (1 hr avg): 2,031 ppm

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

- Self reported air quality exceedances by Suncor August 1 – September 14
  - Startup (various heaters & boilers): Aug 27
    - Exceedance of Hydrogen Sulfide (H_2S) limit of 162 ppm (3 hr avg): 196 ppm (Flare Gas)[a]
  - Startup (various heaters & boilers): Aug 28 & 29
    - Exceedance of Hydrogen Sulfide (H_2S) limit of 162 ppm (3 hr avg): 300 ppm (Flare Gas)[a]

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.

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Questions?

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