



Air Quality & Natural Resources Commission

May 24, 2022 at 1:15 PM

1001 11th Avenue, City Center South, Greeley, CO 80631

Agenda

1. Call to Order
2. Roll Call
3. Approval of the Agenda
- [4.](#) Approval of minutes dated January 28, 2020
- [5.](#) Annual Air Quality Report
6. Adjournment



AIR QUALITY AND NATURAL RESOURCES COMMISSION

**Proceedings
January 28, 2020
1001 11th Avenue
City Center South
City Council Chambers
1:15 p.m.**

I. Call to Order

Vice-Chair Briscoe called the meeting to order at 1:15 p.m. Commissioners, Modlin, Franzen and Romulo were present. (Chair Yeater and Commissioners Andersen, and Schulte were absent.)

II. Approval of minutes for the meeting held on January 10, 2017

Commissioner Modlin moved to approve the minutes from January 10, 2017 as presented. Commissioner Romulo seconded the motion. The motion carried 4-0.

III. 2019 Odor Report

Colby Zander, Code Compliance Supervisor, introduced and presented the Air Quality Report for 2019. Mr. Zander spoke about the quarterly report and the new changes to the report. He stated that staff has been working to better assist the public with odor complaints. Mr. Zander stated that the City is still currently receiving odor complaints, but has seen a steady decrease in complaints since the Air Quality Ordinance. He added that there is an odor hotline for anyone needing assistance.

Mr. Zander stated that odor complaints are addressed within an hour of the initial call, and the average response time for a complaint is 25 minutes. Mr. Zander stated that the Code officers are fully certified and work together to address incoming complaints on a day-to-day schedule. He explained the different types of odor sources and the process for investigating odor complaints pursuant to the state guidelines associated with odor levels. Mr. Zander also added that the odor intensity readings must be greater than a 7:1 dilution

threshold. He reported that many complaints are due to odor generated by JBS and added that City staff has been working and meeting productively with JBS to address odor concerns.

Upon question by Commissioner Franzen, Mr. Zander reported that there have been no code violations noted for marijuana. Commissioner Briscoe asked about use of the nasal range to detect and rate odors. Mr. Zander gave a brief demonstration of the nasal ranger device and stated that the standard threshold for the device was set by the State of Colorado. Commissioner Romulo asked about record keeping of data when an odor complaint is received. Mr. Zander noted that records of complaints are kept to establish continuity of calls and responses. Commissioner Romulo also asked whether information regarding complaints was available to the public. Mr. Zander responded that the public may only view what is available online and that no personal information about a complainant is shared. Upon question by Commissioner Modlin about odor generated by JBS, Mr. Zander spoke about the height increase of the stack at JBS helping ease the odor problem. Upon question by Commissioner Romulo, Mr. Zander advised that complainants are not typically contacted unless further information is required.

IV. Adjournment

There being no more business, the meeting adjourned at 1:37 p.m.

Erik Briscoe, Vice-Chair

Carol Kuhn, for Brad Mueller, Secretary



COMMUNITY DEVELOPMENT

DATE: May 24, 2022
TO: Planning Commission/Air Quality and Natural Resources Commission
FROM: Becky Safarik, Interim Deputy City Manager/Interim Community Development Director
RE: Annual Air Quality Report

Section 12-68 of the Greeley Municipal Code describes the City's regulation of activities related to "activities that contribute to the degradation of the air quality within the Greeley City limits." The Planning Commission also serves as the City's Air Quality and Natural Resources Commission and annually considers annual activity related to the Code Compliance office's investigation of odor and air quality complaints.

The attached presentation will be shared in detail with the Commission, covering the period of time through December 31, 2021.

2022 Annual Air Quality Update

Planning Commission/Air Quality Natural Resource Commission

May 24, 2022

Background

- 1995: City adopted code amendments to “regulate activities that contribute to the degradation of the air quality within City limits”, specifically related to offensive odors
- Established an Air Quality and Natural Resource Commission to deal with:
 - Odor issues
 - Also act as the Plant Management Advisory Commission (noxious weeds)
- Originally a separate citizen’s board, the role was subsequently transferred to the Planning Commission to act in this capacity

Commission's Functions

- Develop & recommend an odor management plan for the City and its environs to be reviewed and transmitted to City Council at least every 3 yrs
- Review odor complaints and formally designate those sources determined to be significant generators
- Issue “odor control permits”
- Consider appeals to staff actions taken in response to odor complaints

Odor History

1995

- Extensive complaints regarding offensive odors
- Council adopted air quality ordinance
 - Violation if 10+ verified complaints in six hour period or;
 - Odor intensity reading greater than 7:1 d/t (dilution threshold)
 - Odor hotline established

After one year...

- Council amended ordinance to be more responsive:
 - Violation now THREE or more confirmed calls (6 hours)
 - No change in dilution threshold
 - Community Survey completed – odor identified as 2nd greatest issue

1997 - 2001

- Minor adjustments to ordinance (procedural)
- Several hundred complaints received annually
 - 1997: 650
 - 1998: 230
 - 1999: 358
 - 2000: 363
 - 2001: 230
- 2001 & 2002: Seven companies (sources) were cited with violations
 - All stipulated to their liability

2002-2010

- Reduced number of complaints from previous years
- 2004 Citizen Survey – odor dropped to the 8th greatest concern
- 2009/2010 – Due to lower call volume, staffing requirements lessened

2011 - 2016

- Spike in odor complaints – high percentage described as “rendering”/JBS
- City staff worked proactively with JBS to address
- JBS submitted voluntary compliance plan
 - Improve scrubbing technology
 - Raised odor stack
 - Direct and regular contact with JBS representatives

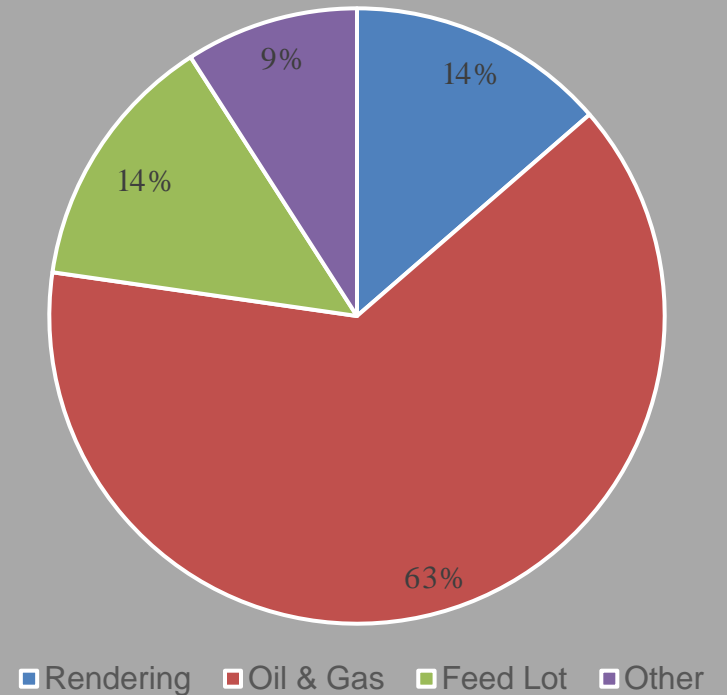
Recent History

- 2017 & 2018 - low number of odor complaints (no violations)
- 2019 – uptick in complaints (no violations)
- 2020 – minimal odor complaints (COVID/furloughed staff - no violations)
- 2021 – Minimal odor complaints (no violations)
- Consistent source of odor complaints received – JBS
 - Continue to work with JBS on voluntary compliance plan

2017 Complaints-sources

22 Total Source Complaints

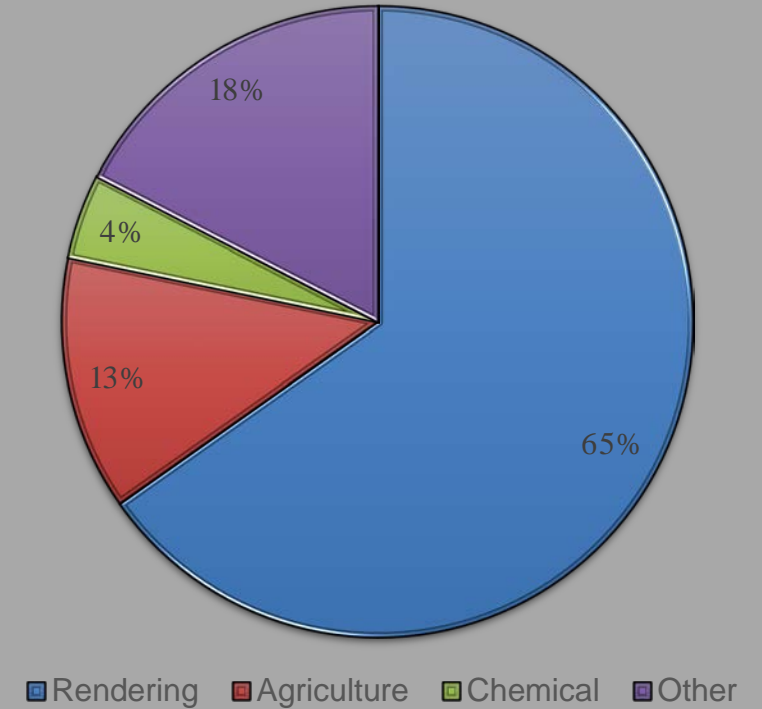
- Rendering = 3
- Oil & Gas = 14
- Feed Lot = 3
- Other = 2



2018 Complaints-sources

23 Total Source Complaints

- Rendering = 15
- Agriculture = 3
- Chemical = 1
- Other = 4

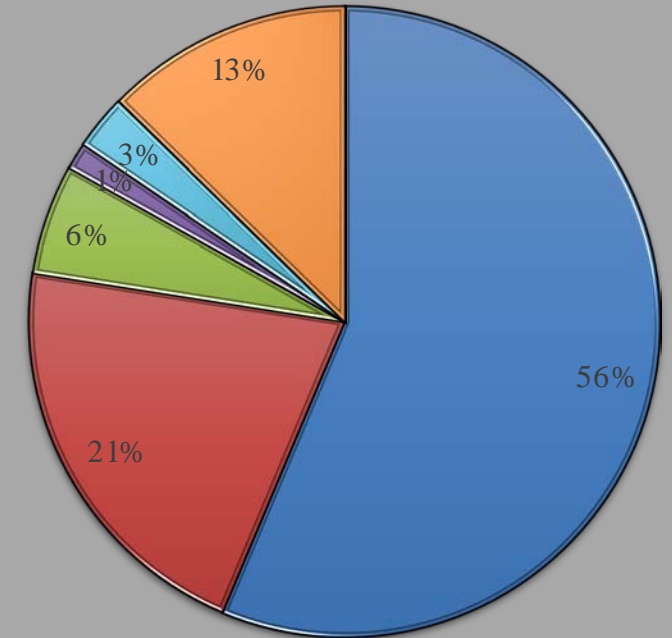


2019 Complaints-sources

71 Total Source Complaints

- Rendering = 40
- Hide Plant = 15
- Agriculture = 4
- Sewer = 1
- Oil & Gas = 2
- Other = 9

* Average response time = 25 Minutes

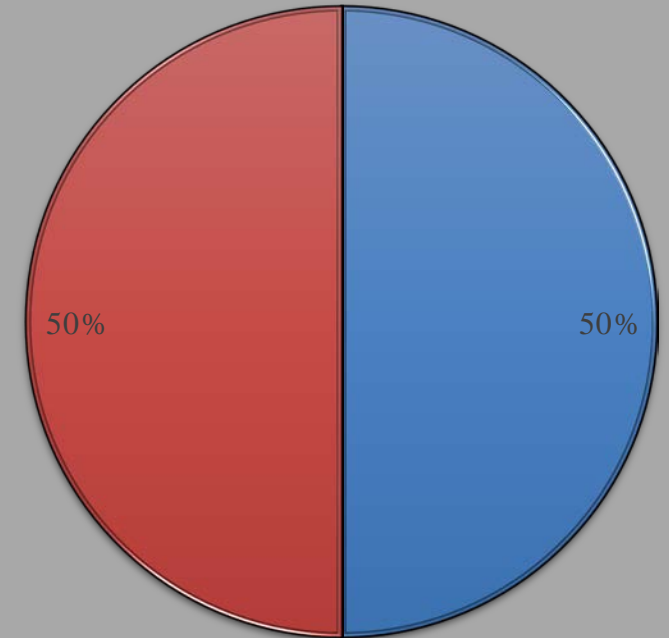


■ Rendering ■ Hide Plant ■ Agriculture ■ Sewer ■ Oil & Gas ■ Other

2020 Complaints-sources

4 Total Source Complaints

- Hide Plant = 2
- Other = 2



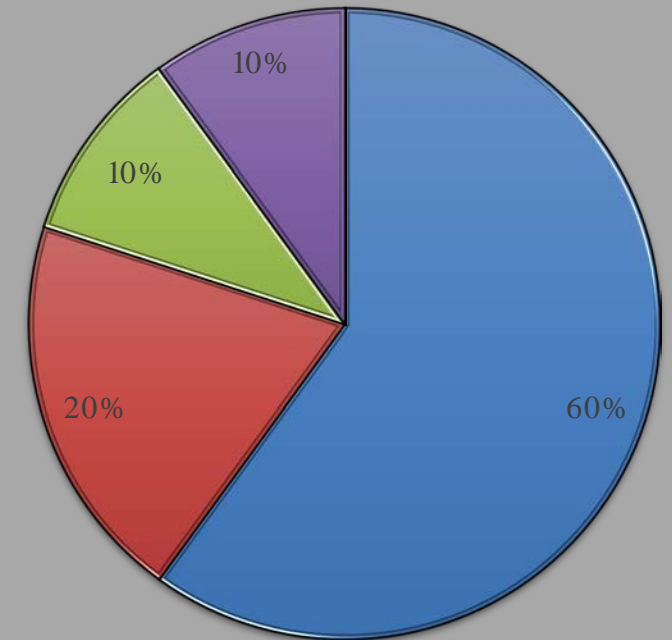
■ Hide Plant

■ Other

2021 Complaints-sources

10 Total Source Complaints

- Hide Plant = 6
- Burning Smell = 2
- Dog Waste = 1
- Other = 1



■ Hide Plant ■ Burning Smell ■ Dog Waste ■ Other

Odor Alert Condition & Violation

- **Threshold**
 - At least two confirmed 7:1 d/t readings within 1 hour (15 minutes apart)
 - City can investigate independent of complaints

OR

- **Complaints**
 - **Three independent complaints within six hours that can be field verified (w/o judgement of the type of smell or instrumentation)**

Odor Certification

Colorado Air Pollution Control Commission

- Determine & grade odor emissions
 - Use of Nasal Ranger
 - Scentometer
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- *Only certified inspectors can measure odor emissions*



Investigation Process

- Investigate within 1 hour of complaint
- Triangulate possible source
- Inspection takes place outside of property line (property boundary)
- Confirm complaints
- Use instrumentation measurement as warranted

If Violation level is present:

- Contact source representatives to determine circumstances
- Possible Notice of Violation
- Show cause hearing before Commission (or consideration of stipulation)
- Follow up by staff

Final Points & Action Items

- 2022 complaints to date: 6 (full year reported in January 2023)
- Include odor question in bi-annual community survey to discern degree of community concern
- Review City Council Strategic Plan for odor-related action steps
- Odor Management Plan Update should be prepared per 3-year review cycle for Commission review and consideration (Jan 2023)

QUESTIONS/DISCUSSION