

2023 Annual Air Quality Update

Planning Commission/Air Quality Natural Resource Commission
March 14, 2023



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



Recent History

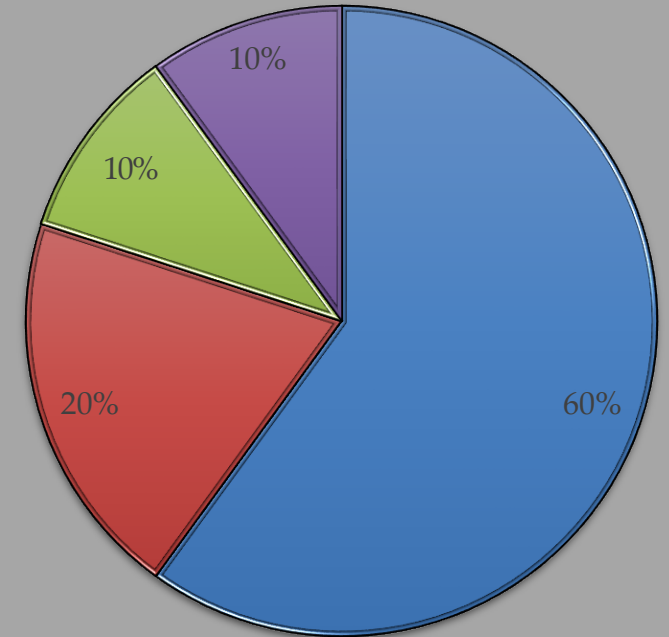
- 2017 & 2018 - low number of odor complaints (no violations)
- 2019 – uptick in complaints (no violations)
- 2020 – minimal odor complaints (COVID/furloughed staff - no violations)
- 2021 – Minimal odor complaints (no violations)
- Consistent source of odor complaints received – JBS
 - Continue to work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



2021 Complaints-sources

10 Total Source Complaints

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



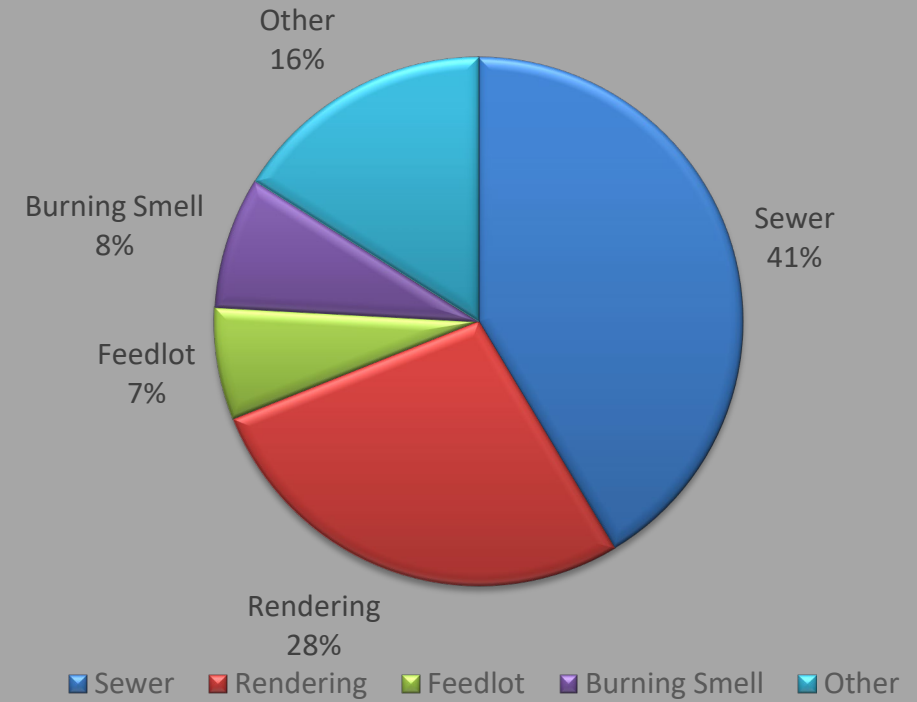
■ Hide Plant ■ Burning Smell ■ Dog Waste ■ Other

2022 Complaints-sources

87 Total Source Complaints

- Sewer = 36
- Rendering = 24
- Feedlot = 6
- Burning Smell = 7
- *Other = 14

*Other = Various other odors that were taken care of using regular code cases



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**



Odor Certification

Colorado Air Pollution Control Commission

- Determine & grade odoremissions
 - Use of Nasal Ranger
 - Scentometer
-
- ***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

- 2023 complaints to date: 7
- Review City Council Strategic Plan for odor-related action steps



QUESTIONS/DISCUSSION

