



# Coffin Butte Landfill 2024 Expansion Application Odor Dispersion Modeling Study

Coffin Butte Landfill  
28972 Coffin Butte Road  
Corvallis, OR 97330

**SCS ENGINEERS**

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## **1.0 INTRODUCTION**

The Coffin Butte Landfill (CBLF) is proposing to expand the waste disposal area of the landfill by using an existing property just south of Coffin Butte Road. The goal of this study was to conduct an odor dispersion modeling analysis that compares the existing and proposed operating scenarios for potential nuisance odor impacts. Since odor is a subjective human response, odor dispersion modeling was used to provide an objective approach towards understanding how on-site emissions of odor potentially impact off-site locations.

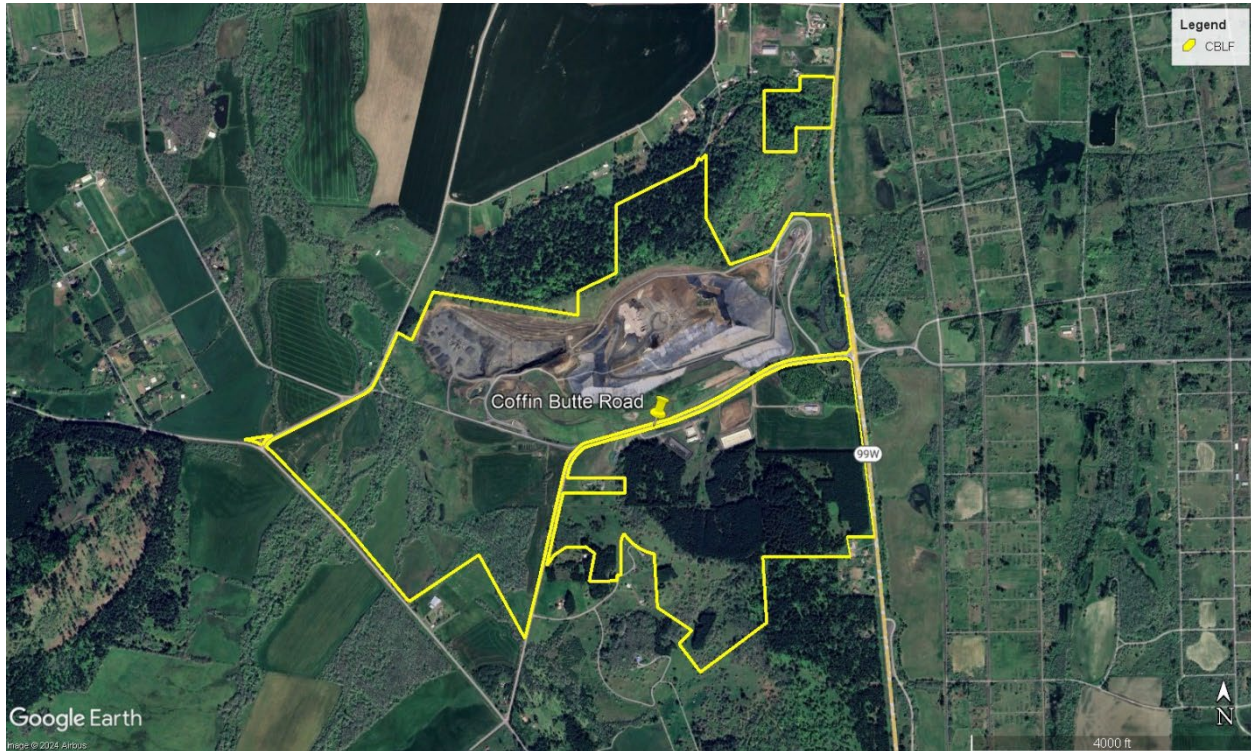
Following this Introduction, Section 2 provides a description of the facility. Section 3 describes the methodology used in this study while Section 4 summarizes the results. Section 5 then presents the conclusions. Finally, the appendices provide supporting documentation.

## 2.0 FACILITY DESCRIPTION

### 2.1 LOCATION

The CBLF is located at 28972 Coffin Butte Road in Corvallis, Oregon (Benton County). The facility is located just west of Highway 99W, approximately nine miles north of downtown Corvallis. Coffin Butte Road runs through the facility. See Figure 1 for the CBLF property boundary <sup>[1]</sup>.

Figure 1. Facility Location

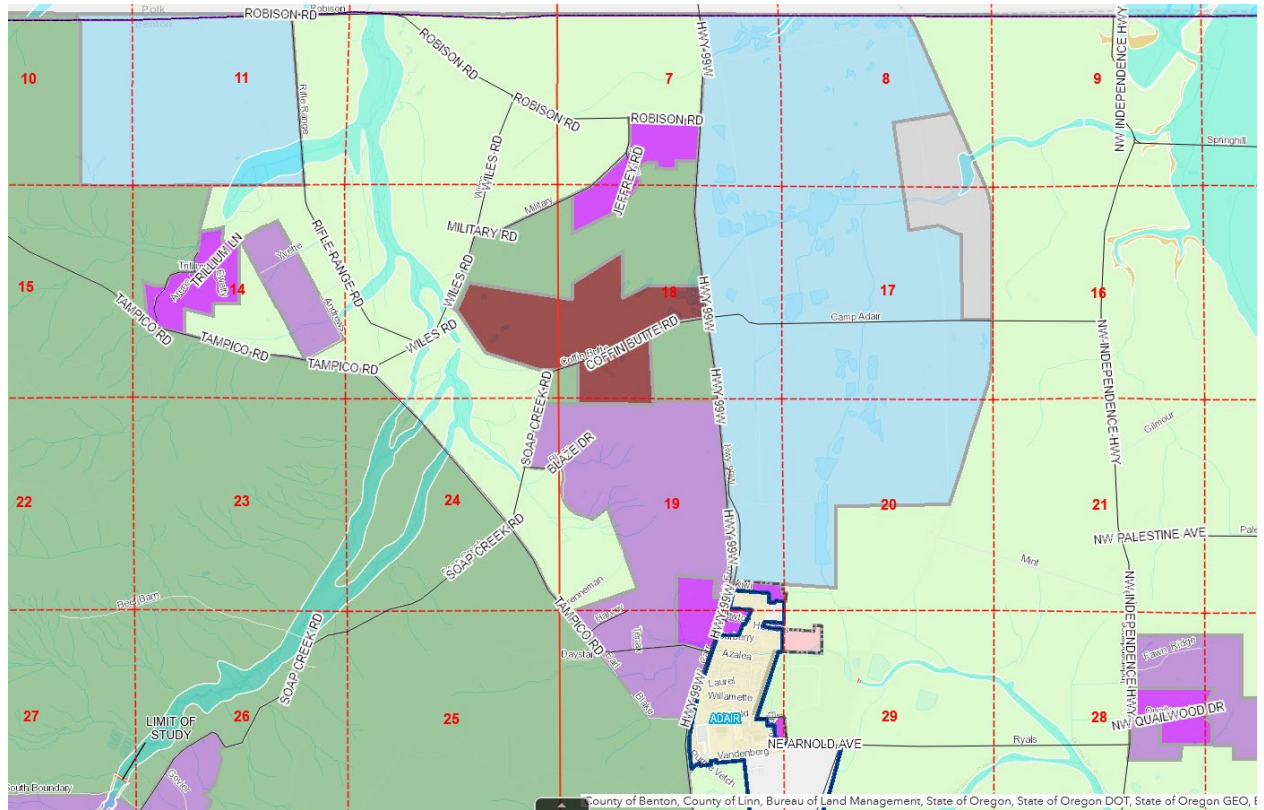


Note: Google Earth imagery from April 18, 2024.

## 2.2 LOCAL LAND USE / ZONING

Local land usage impacts air dispersion as surface characteristics differ for rural and urban conditions. Local land use near the CBLF is rural based upon the zoning map in Figure 2 [2].

Figure 2. Local Zoning Map



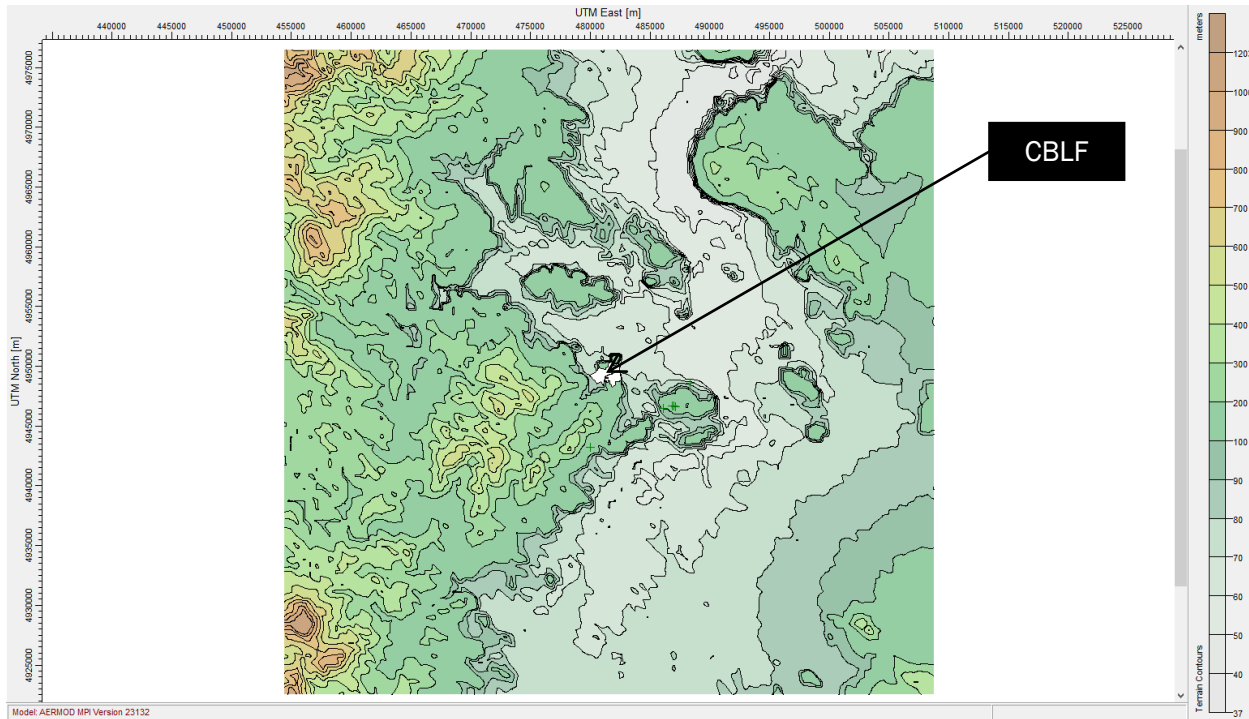
### Zoning Color Code Legend:

- Exclusive farm use (light green);
- Forest conservation (green);
- Landfill (brown);
- Open space (light blue);
- Rural residential – 5 acre minimum parcel or lot size (magenta); and
- Rural residential – 10 acre minimum parcel or lot size (light magenta).

## 2.3 TERRAIN / TOPOGRAPHY

Local terrain also impacts air dispersion as winds can be channeled when flowing through canyons and valleys. In this case, the CBLF is located along the western edge of the Willamette Valley. See Figure 3 for the elevation contours surrounding the landfill [3].

Figure 3. Elevation Contour Map



## 2.4 CLIMATE AND METEOROLOGY

Local air quality is also impacted by the regional climate and meteorology as weather conditions control the transport and diffusion of emitted pollutants downwind from the release point into the surrounding area. Climate deals with long-term weather patterns while meteorology deals with short-term daily and hourly weather conditions. Nuisance odors are more likely to occur under poor meteorological conditions (e.g., low wind speed and stable wind conditions) that are common in the late night and early morning hours.

## 2.5 POTENTIAL ODOR ACTIVITIES

CBLF accepts commercial and public solid waste. The waste is placed in layers at the working face, compacted by heavy equipment, and then covered daily. Once an area of the CBLF has reached capacity, it is eventually capped with final cover to minimize infiltration of precipitation and release of gases not captured by the landfill gas collection and control system (GCCS). Odor is potentially emitted from sources such as:

- working face;
- tippers;

- leachate (i.e., water that has passed through the landfill's layers);
- landfill gas (LFG) which is a natural byproduct of decomposing organic material; and
- flares which burn any excess LFG collected by the CBLF.

Flares conservatively combust 98% of LFG sent to them. The 2% of un-combusted odor constituents in LFG is modeled for odors.

## 2.6 ODOR MONITORING AND CONTROL MEASURES

CBLF has developed and implemented a site-specific odor management plan that includes:

- application of daily cover;
- operating a LFG collection and control system;
- conducting surface emissions monitoring (SEM);
- monitoring local weather conditions (temperature, wind direction, etc.);
- conducting routine odor patrol inspections;
- responding to odor complaints received from the public and/or the Oregon Department of Environmental Quality (DEQ);
- taking action when odors are detected/reported;
- observing the area of concern for smell and conditions;
- inspecting landfill operations for any unusual activities or conditions;
- identifying possible sources of odor; and
- confirming implementation of applicable odor minimization measures.

## 2.7 ODOR COMPLAINT HISTORY

CBLF maintains a log of odor complaints received from the public and the DEQ. For this study, SCS Engineers (SCS) reviewed the odor complaints from 2022 through 2024 for potential patterns (e.g., time of day, day of week, season of year) as well as potential correlation to concurrent wind conditions measured on-site. For review purposes, each odor complaint log entry (event) was assigned a unique ID (1 through 84) as well as an estimated distance and wind direction from CBLF (e.g., if a complaint location was southeast (SE) of CBLF, then the concurrent wind direction at CBLF would need to be northwest (NW) for correlation). Note, odor event #1 (25 odor complaints between 11/18/21 and 2/7/22) could not be categorized since specific complaint dates/times were not provided.

Based upon the review, the following observations were made:

- Location
  - Complaint locations ranged from the adjacent surrounding area to approximately seven miles from CBLF.
  - Complaint locations varied from not provided to general areas to specific addresses.
  - The most common complaint locations specified were southwest (35%) and south (29%) of CBLF.
  - Complaint locations southwest of CBLF were within a valley whose terrain may be channeling odor from CBLF under certain wind conditions.
  - Populated areas south of CBLF include Adair Village, Lewisburg, and Corvallis.
- Time of Day
  - Odor complaints were reported in 16 different hours of the day.
  - Odor complaints peaked in the morning between 8:00 am and 11:00 am:
    - 7:00 am to 7:59 am (11%);

- 8:00 am to 8:59 am (12%);
  - 9:00 am to 9:59 am (12%); and
  - 10:00 am to 10:59 am (7%).
- Complaints in a Single Day
  - Two days each had five odor events (1/18/2024 and 2/3/2024).
  - Two days each had four odor events (5/23/2024 and 12/1/2024).
  - Four days each had three odor events (2/10/2024, 2/20/2024, 4/1/2024, and 12/29/2024).
  - Seven days each had two odor events.
  - Thirty nine days each had one odor event.
- Day of Week
  - Odor events were reported on each day of the week and peaked on Thursday:
    - Thursday (20%);
    - Saturday (19%);
    - Friday (17%);
    - Tuesday (14%);
    - Sunday (11%);
    - Wednesday (10%); and
    - Monday (8%).
- Month and Season of the Year
  - The odor events peaked in December with the top four months being:
    - December (24%);
    - February (23%);
    - August (11%); and
    - January (10%).
  - The odor events peaked in the winter:
    - Winter (46%);
    - Fall (24%);
    - Summer (18%); and
    - Spring (12%).
  - Thermal inversions could be a contributing factor to the odor complaints. Radiation from the sun can heat the ground which in turn can warm the air near the Earth's surface. When warm air expands and cools as it rises, air temperature decreases with altitude. However, a thermal inversion occurs when air temperature increases with altitude. There are two kinds of thermal inversions: surface and aloft. Surface inversions can result in poor air quality (e.g., odors) as pollutants are trapped near ground level, dispersing only horizontally within the inversion. Surface inversions are stronger and more common during the winter months when winds are calm, skies are clear, and nights are long. <sup>[4, 5]</sup> Thermal inversions were not considered when evaluating each individual odor event. Air temperature needs to be measured at different heights to determine if a thermal inversion exists. The on-site meteorological station only collected air temperature data at one height. Any odors trapped within an inversion would still disperse horizontally based upon wind direction..
- Correlation of Odor Complaint to On-Site Wind Data
  - Correlation of odor complaints to on-site wind data took into account several factors including complaint location (distance and direction relative to CBLF), complaint time, and the wind speed/direction at and before the complaint time.
  - Odor events were then categorized as follows for correlation:
    - "Likely" based on complaint location and wind conditions (1%);
    - "Not likely" based on complaint location and wind conditions (29%);
    - "Possible" due to ambiguity or lack of data (58%); and
    - "Unknown" due to complaint time not specified (12%).

See Appendix A for the odor complaint review details.

## 2.8 PROPOSED PROJECT

CBLF is requesting approval of a conditional use permit (CUP) application to expand the area on which landfill activities will be conducted to the south side of Coffin Butte Road (the “Development Site”). In addition to using the Development Site for the landfill, the proposed changes include an 1,800-square-foot employee building and parking on land to the west of the landfill, access road modifications on lands to the north, and the relocation of leachate ponds, leachate loadout, leachate sump, an outbound scale, portions of the perimeter landfill road, the shop/maintenance area, cut activities for landfill, and leachate ponds to support the landfill onto the property to the east (collectively, the “Project”) [6]. Figure 4 displays the location of the expansion area in relation to existing operations.

Figure 4. Proposed Expansion Area (Taxlot 104180001107)



## 2.9 OTHER POTENTIAL SOURCES OF ODOR IN THE REGION

Although this study only addresses potential odor impacts from the CBLF, it is important to note that other potential sources of odor exist in the region including (but not limited to):

- Agriculture.
- Biosolids land application fields (used only in summer months, but not every).
- Compost / organics recycling facility.
- Wastewater treatment plant.

## 3.0 METHODOLOGY

Since odor is a subjective human response, odor dispersion modeling provides an objective approach towards understanding how on-site emissions of odor potentially impact off-site locations. The following summarizes the methodology used in this study.

### 3.1 MODEL SELECTION

The American Meteorological Society/Environmental Protection Agency Regulatory Model (AERMOD) (Version 24142 incorporated into the Lakes Environmental AERMOD View 13.0 software suite) <sup>[7]</sup> was used to model estimated emissions of odorous pollutants from the landfill and predict maximum, off-site, 1-hour concentrations for each pollutant using the rural dispersion mode and elevated terrain.

AERMOD was selected for this study since:

- AERMOD is preferred/recommended by the EPA for near-field dispersion of emissions for distances less than 50 kilometers in both simple and complex terrain.
- AERMOD is acceptable to the DEQ for dispersion modeling studies <sup>[8]</sup>.
- AERMOD has undergone numerous validation studies.
- AERMOD is in the public domain and is readily available.
- AERMOD can model multiple sources and multiple receptors.
- AERMOD can use representative meteorological data to simulate atmospheric conditions that affect the transport and dispersion of air pollution from sources.
- AERMOD can use local terrain data to model receptors in complex terrain.
- AERMOD can be used to model impacts of odor causing pollutants.

Input data for AERMOD included the following which are described below:

- source parameters (locations, dimensions, emission rates, etc.);
- receptor locations;
- meteorological data;
- terrain data; and
- model options.

See below for details regarding the AERMOD model input.

### 3.2 SCENARIOS MODELED

In order to estimate odors from the landfill at its current state as well as with the proposed expansion, modeling was performed in two scenarios. The first scenario (Scenario #1) modeled actual operations in 2023 using estimated emission rates from the following resources:

- Revised 2023 Annual Title V Report (October 11, 2024) for criteria pollutants using process throughputs and emission factors that have already been approved by DEQ;
- Revised 2023 Air Toxics Emission Inventory (ATEI) (August 2024) for speciated air toxics and Volatile Organic Compounds (VOCs) using process throughputs and emission factors that have already been approved by DEQ; and

- U.S. EPA LandGEM model (LandGEM) ran for the 2023 ATEI for additional non-toxic pollutants not included above assuming an EPA default 75% collection efficiency and 98% destruction efficiency by the flares<sup>1</sup>.

The second scenario (Scenario #2) looked at year 2052, which is the estimated closure year if current tonnages of waste acceptance from 2023 continue. 2052 would also see the highest landfill gas generation rate based on the model. A 75 collection efficiency was used in this scenario as well. The estimated waste design capacity will be 41,110,068 tons including the expansion area.

A third scenario was considered to show a middle point in landfill expansion, but is dependent on the odor results of the first two scenarios to see if needed.

### 3.3 SOURCE PARAMETERS

Source parameters were used to model the release of odorous pollutants from the fugitive landfill surface, landfill gas flares, the tipper engines, and the aggregate insignificant (AI) source. The AI source is incorporated by DEQ into each criteria pollutant emission total for the facility, taking into consideration sources that are too small to be permitted. This includes: cell development, operation and closing; tipping and dump truck drops; leachate collection and wastewater treatment; as well as light plants and trash pumps.

In Scenario #1, the fugitive landfill source was located in the currently permitted waste area North of Coffin Butte Road. In 2023, two open (candlestick) flares were present at the landfill, as well as two tipper engines and the AI source.

Scenario #2 is proposed to include a fugitive landfill source in the current permitted area, as well as an expansion area South of Coffin Butte Road. Since 2023, the two open flares have been replaced with one enclosed flare with a landfill gas capacity of 3,390 standard cubic feet per minute (scfm). For a conservative approach, it is assumed that all landfill gas collected is going through this flare even though a landfill gas to energy (LFGTE) plant is on-site and expected to control a significant amount of the gas. The proposed landfill gas generation rate from LandGEM in 2052 would exceed this flare's capacity, but for simplicity all emissions were still modeled from this flare source, as a second flare with similar exhaust parameters would be installed close by if needed. The tipper engines and AI source parameters were not changed in Scenario #2; however, these sources were moved to the expansion area as the final buildout's active face would likely be in this region. The size of the AI source needed to be shrunk in order to fit in the smaller expansion area.

Tables 1 through 3 summarize the source parameters modeled while Figure 5 displays the modeled source locations. Most model parameters were taken from the November 2024 Modeling Report submitted to DEQ for CBLF. A revised extent of waste was used for the fugitive landfill surface source, with sources in the expansion area estimated based on engineering drawings.

Table 1. Point Source Release Parameters

| Model ID | Description    | Elevation above mean sea level (ft) | Stack Height (ft) | Temperature (F) | Exit Velocity (ft/s) | Stack Diameter (ft) |
|----------|----------------|-------------------------------------|-------------------|-----------------|----------------------|---------------------|
| EFLARE   | Enclosed Flare | 245.8                               | 40                | 1,600           | 39.5                 | 11.68               |

<sup>1</sup> EPA, 2008a. Background Information Document for Updating AP42 Section 2.4 for Estimating Emissions from Municipal Solid Waste Landfills. National Risk Management Research Laboratory, Air Pollution Prevention and Control Division, U.S. EPA. September 2008. <http://www.epa.gov/ttn/chief/ap42/ch02/draft/db02s04.pdf>

|      |                  |       |     |         |      |      |
|------|------------------|-------|-----|---------|------|------|
| TIP2 | Tipper Engine #2 | 301.1 | 9   | 1,016.6 | 57.7 | 0.66 |
| TIP3 | Tipper Engine #3 | 301.3 | 7.5 | 927.1   | 24.3 | 0.66 |

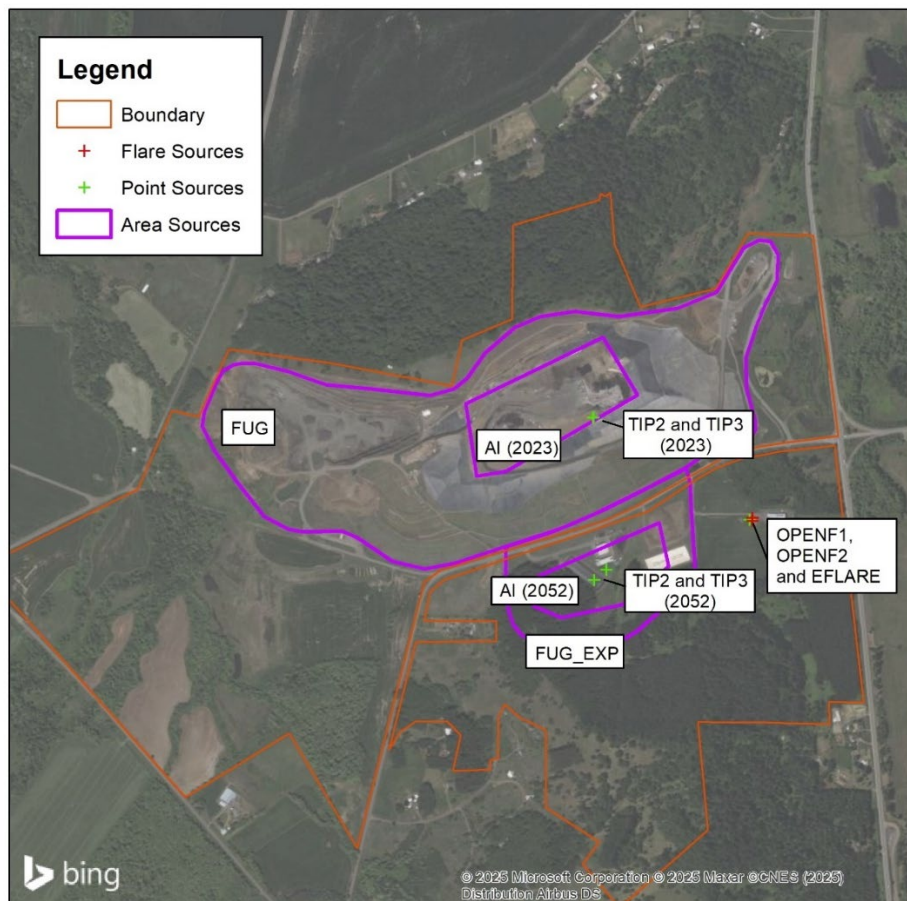
Table 2. Flare Source Release Parameters

| Model ID | Description   | Elevation above mean sea level (ft) | Effective Release Height (ft) | Temperature (F) | Exit Velocity (ft/s) | Stack Diameter (ft) |
|----------|---------------|-------------------------------------|-------------------------------|-----------------|----------------------|---------------------|
| OPENF1   | Open Flare #1 | 242.6                               | 42.26                         | 900             | 60                   | 0.67                |
| OPENF2   | Open Flare #2 | 242.6                               | 42.26                         | 900             | 60                   | 0.67                |

Table 3. Area Source Parameters

| Model ID* | Description               | Elevation above mean sea level (ft) | Area (ft <sup>2</sup> ) | Release Height (ft) | Initial Vertical Dimension (ft) |
|-----------|---------------------------|-------------------------------------|-------------------------|---------------------|---------------------------------|
| FUG       | Current Fugitive Surface  | 246.1                               | 8,813,545               | 262.5               | 122.1                           |
| FUG_EXP   | Expanded Fugitive Surface | 246.0                               | 2,077,535               | 154                 | 71.6                            |
| AI (2023) | Aggregate Insignificant   | 281.6                               | 1,132,482               | 0                   | 0                               |
| AI (2052) | Aggregate Insignificant   | 281.6                               | 668,917                 | 0                   | 0                               |

Figure 5. Modeled Area Source Locations



### 3.4 BUILDING DOWNWASH

Building downwash occurs when wind flowing over/around buildings impacts the dispersion of pollution from nearby stacks (point sources). One building exists 140 feet East of the flares where the LFGTE plant is located. This building is 175 feet by 60 feet wide and 25 feet tall.

### 3.5 RECEPTORS

AERMOD was used to generate nested 25-meter, 50-meter, and 100-meter spaced receptor grids over the landfill and surrounding area. Receptor flag pole heights were set to zero meters (ground level). On-site receptors within the landfill's property boundary were removed from the analysis. See Figure 6 for the layout of the nested grids.

Figure 6. Nested Receptor Grid



### 3.6 METEOROLOGICAL DATA

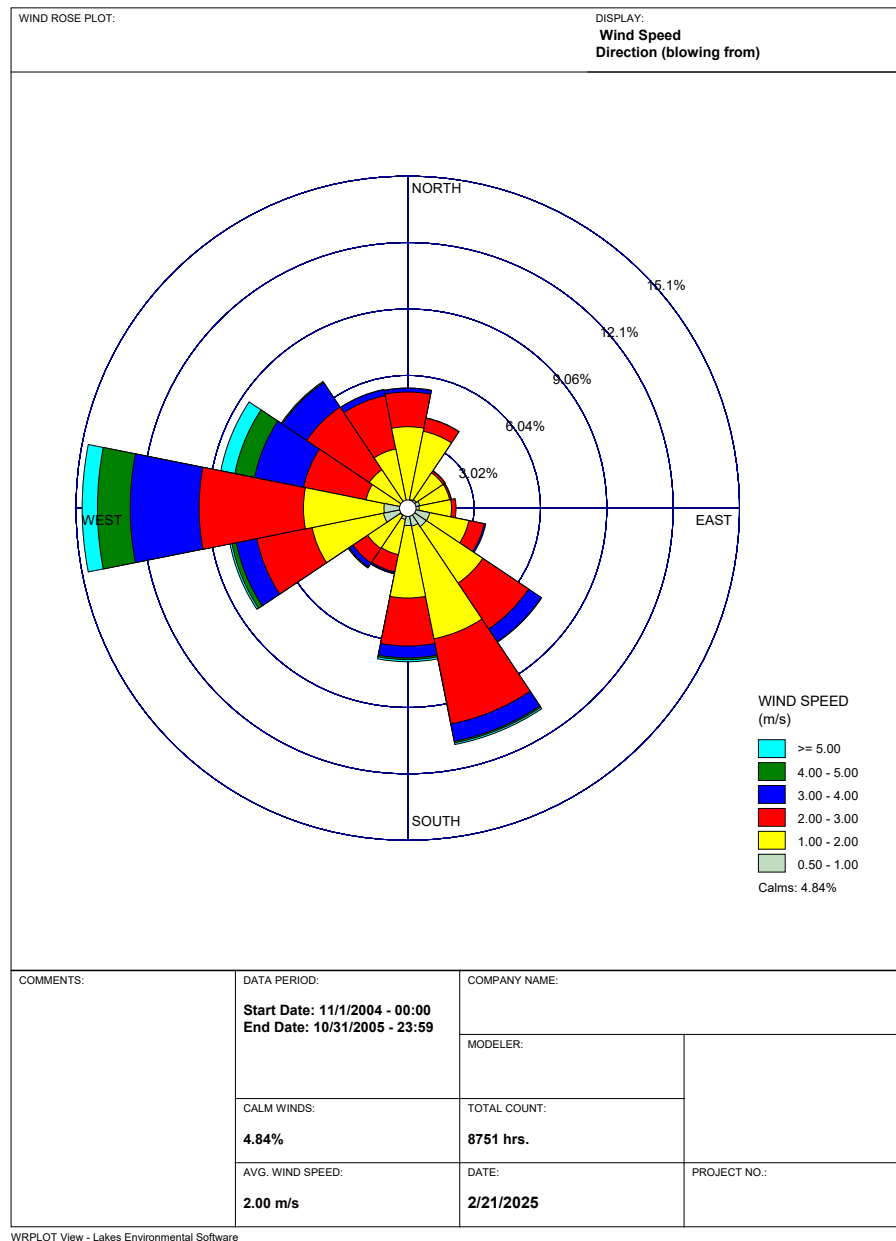
On-site data was collected between November 1, 2004 and October 30, 2005 by CH2M HILL to support permitting for the LFGTE facility (operated by Pacific Northwest Generating Cooperative) expansion which added two additional engines to the facility in 2006. At the time of collection, the meteorological station was located on-site, at a location recommended by DEQ, approximately 100 feet southeast of the LFGTE facility. The data collected from the onsite station included wind speed, wind direction, standard deviation of horizontal wind direction, temperature, delta temperature, and solar radiation. Data for this period is available for 8,727 hours for the year, resulting in a data availability of 99.9%, with greater than 90% availability for any single parameter. Additional details regarding the collected on-site data are available in the 2006 Air Modeling Report prepared by CH2M HILL.

This data set is characterized by strong west-southeast wind pattern. The meteorological data summary was included in the Modeling Protocol approved by DEQ.

The Salem McNary Field was used as the upper air data set. AERSURFACE was used to calculate site specific values for albedo, Bowen ratio, and surface roughness on an annual basis for 12 surface sectors.

A wind rose displays wind speed and wind direction graphically for a designated historical time period. Figure 7 displays the lower altitude (surface) wind rose for the meteorological data modeled in this study for all or model runs. Dominant surface wind patterns occur from the south-southeast and west in this meteorological set. Note, wind data in Figure 7 was measured during a different time period and at a different location than the on-site wind data used for the odor complaint analysis. Therefore, the wind data in Figure 7 was not used in the odor complaint analysis.

Figure 7. Wind Rose of Modeled Meteorological Data



### 3.7 TERRAIN DATA

Local terrain data was first downloaded from the United States Geological Survey (USGS) 1 arc-second National Elevation Dataset (NED). Elevations were then processed and imported into AERMOD for the sources and receptors modeled.

### 3.8 NUISANCE ODOR THRESHOLD

Oregon state laws prohibit businesses from emitting odors which cause a nuisance. These nuisance laws are implemented by the DEQ which has developed a strategy for responding to odor complaints reported through

an online tool. The strategy emphasizes early odor detection, voluntary cooperation, and the rapid resolution of nuisance conditions related to odors [9]. Since the DEQ has not specified a protocol for odor evaluations, this study modeled pollutants individually so that predicted off-site concentrations could be directly evaluated against the individual pollutant's published odor detection threshold to determine whether the individual pollutant may be detectable in residential or commercial land use areas. Pollutant-specific odor thresholds were obtained from the following resources [10, 11, 12]:

- American Industrial Hygiene Association (AIHA), "Odor Thresholds for Chemicals with Established Occupational Health Standards, 3rd edition".
- National Oceanic and Atmospheric Administration (NOAA), "Computer-Aided Management of Emergency (CAMEO)".
- United States Environmental Protection Agency (EPA), "Health Effects Notebook for Hazardous Air Pollutants".

Note, many pollutants have a range of published odor thresholds. For this study, the lowest odor threshold published by AIHA was used for most pollutants. For pollutants with wide ranges in odor thresholds (e.g., sulfur based compounds such as hydrogen sulfide), the published odor threshold from CAMEO was used. CAMEO was also used for one pollutant that did not have a published odor threshold from AIHA. Finally, EPA odor thresholds were used for two pollutants that either did not have a published odor threshold from AIHA or had an EPA odor threshold lower than the published odor threshold from AIHA. See Appendix E for the odor thresholds modeled in this study.

Scenario #1 (2023 actual operations) had 49 pollutants with published odor thresholds. Since emission rates and odor thresholds vary by pollutant, the 2023 emissions (taken from the 2023 ATEI as well as non-toxics from LandGEM) were screened for pollutants with the highest potential for causing off-site odors. This was accomplished by ranking each pollutant based on the ratio of facility level emissions (in units of grams per second) to odor threshold (in units of grams per meter cubed). Based upon this screening process, this study focused upon evaluating the following top eight pollutants (approximately 95% of the 2023 odor emissions):

- Dimethyl sulfide (methyl sulfide);
- Ethyl benzene;
- Ethyl mercaptan (ethanethiol);
- Hydrogen sulfide;
- Methyl mercaptan;
- Nitrogen oxides (NO<sub>x</sub> as NO<sub>2</sub>);
- Toluene; and
- Xylenes.

See Appendix B for the odor pollutant screening results.

### 3.9 SCENARIO EMISSION RATES

Emissions of the eight pollutants with the highest odor potential as mentioned in Section 3.8 were calculated for both Scenario #1 and #2. As mentioned, the estimated actual emissions from 2023 were used for Scenario #1. Hydrogen Sulfide, Xylene, Toluene, and ethyl benzene from this ATEI were directly brought into the model. The only change to sources from the ATEI was the landfill surface, noted as F-LFG1 and F-LFG2, which were combined and modeled as FUG. Dimethyl sulfide, methyl mercaptan, and ethyl mercaptan were taken from LandGEM for the 2023 year, which determined 591.58 MMscf of landfill gas was emitted fugitively and 607.56 MMsf of landfill gas was combusted by the open flares. These three pollutants are only present in

the landfill gas sources. Nitrogen oxides (NO<sub>x</sub>) emissions were taken from the 2023 annual Title V emission calculations reported to DEQ. See Appendix C for Scenario #1 emission rates.

Scenario #2 requires LandGEM to estimate future yearly tonnages until the design capacity is reached. The design capacity is 41,110,068 tons including the expansion area, which will be reached in year 2052 assuming the 2023 waste acceptance of 930,373 tons continues annually. This would generate 1,132 MMscf of fugitive landfill gas and 3,399 MMscf of collected gas in year 2052. The same methodology from Scenario #1 was used to calculate fugitive and flare emissions using the permitted emission factor for NO<sub>x</sub> of 27.35 lb/MMscf. The total landfill fugitive surface area is 1,011,815 square meters, with 81% of this being in the current area, and 19% in the southern proposed expansion. Total fugitive emissions were split between FUG and FUG\_EXP based on this area percentage. See Appendix D for Scenario #2 emission rates for the eight targeted odorous pollutants.

Emissions by source for each scenario are shown in Tables 4 and 5 below.

Table 4. Scenario #1: 2023 Emissions By Source (g/s)

| Pollutant        | FUG      | OPENF1   | OPENF2   | TIP2     | TIP3     | AI       |
|------------------|----------|----------|----------|----------|----------|----------|
| Ethyl Benzene    | 1.06E-02 | 1.04E-04 | 1.14E-04 |          |          |          |
| Hydrogen Sulfide | 2.63E-02 | 2.57E-04 | 2.82E-04 |          |          |          |
| Toluene          | 7.86E-02 | 7.70E-04 | 8.45E-04 | 8.12E-05 | 6.26E-05 |          |
| Xylene           | 2.79E-02 | 2.73E-04 | 3.00E-04 | 5.66E-05 | 4.36E-05 |          |
| Dimethyl Sulfide | 9.67E-03 | 2.90E-04 | 2.90E-04 |          |          |          |
| Ethyl Mercaptan  | 2.85E-03 | 8.56E-05 | 8.56E-05 |          |          |          |
| Methyl Mercaptan | 2.40E-03 | 7.20E-05 | 7.20E-05 |          |          |          |
| Nitrogen Oxides  |          | 9.15E-02 | 1.71E-01 | 8.79E-01 | 6.77E-01 | 2.88E-02 |

Table 5. Scenario #2: 2052 Emissions By Source (g/s)

| Pollutant        | FUG      | FUG_EXP  | EFLARE   | TIP2     | TIP3     | AI       |
|------------------|----------|----------|----------|----------|----------|----------|
| Ethyl Benzene    | 1.65E-02 | 3.88E-03 | 1.22E-03 |          |          |          |
| Hydrogen Sulfide | 4.07E-02 | 9.60E-03 | 3.02E-03 |          |          |          |
| Toluene          | 1.22E-01 | 2.87E-02 | 9.03E-03 | 8.12E-05 | 6.26E-05 |          |
| Xylene           | 4.32E-02 | 1.02E-02 | 3.21E-03 | 5.66E-05 | 4.36E-05 |          |
| Dimethyl Sulfide | 1.66E-02 | 3.91E-03 | 1.23E-03 |          |          |          |
| Ethyl Mercaptan  | 4.89E-03 | 1.15E-03 | 3.63E-04 |          |          |          |
| Methyl Mercaptan | 4.12E-03 | 9.71E-04 | 3.05E-04 |          |          |          |
| Nitrogen Oxides  |          |          | 1.34E+00 | 8.79E-01 | 6.77E-01 | 2.88E-02 |

## 4.0 RESULTS

Tables 6 and 7 summarize the peak, off-site, 1-hour pollutant concentrations for each modeling scenario in units of micrograms per meter cubed (ug/m3). Each pollutant impact was then compared to its odor threshold via a ratio called dilution to threshold or D/T (i.e., maximum impact divided by odor threshold). A D/T ratio of one indicates that roughly half of people can detect an odor at a given location for a given hour. A D/T of 7 is expected to result in an odor “nuisance” in most states, though this number is variable and not quantified in Oregon. See Figure 8 for the peak, off-site impact locations. Figures 9 through Figure 12 show the odor concentration contours from the two pollutants in each scenario with the highest D/T values. For each scenario, NOx had the highest D/T with the tipper engines as driving sources, and dimethyl sulfide had the highest D/T with the fugitive landfill surface as the driving source. All six of the remaining pollutants would show similar contours to dimethyl sulfide as they have the same driving source.

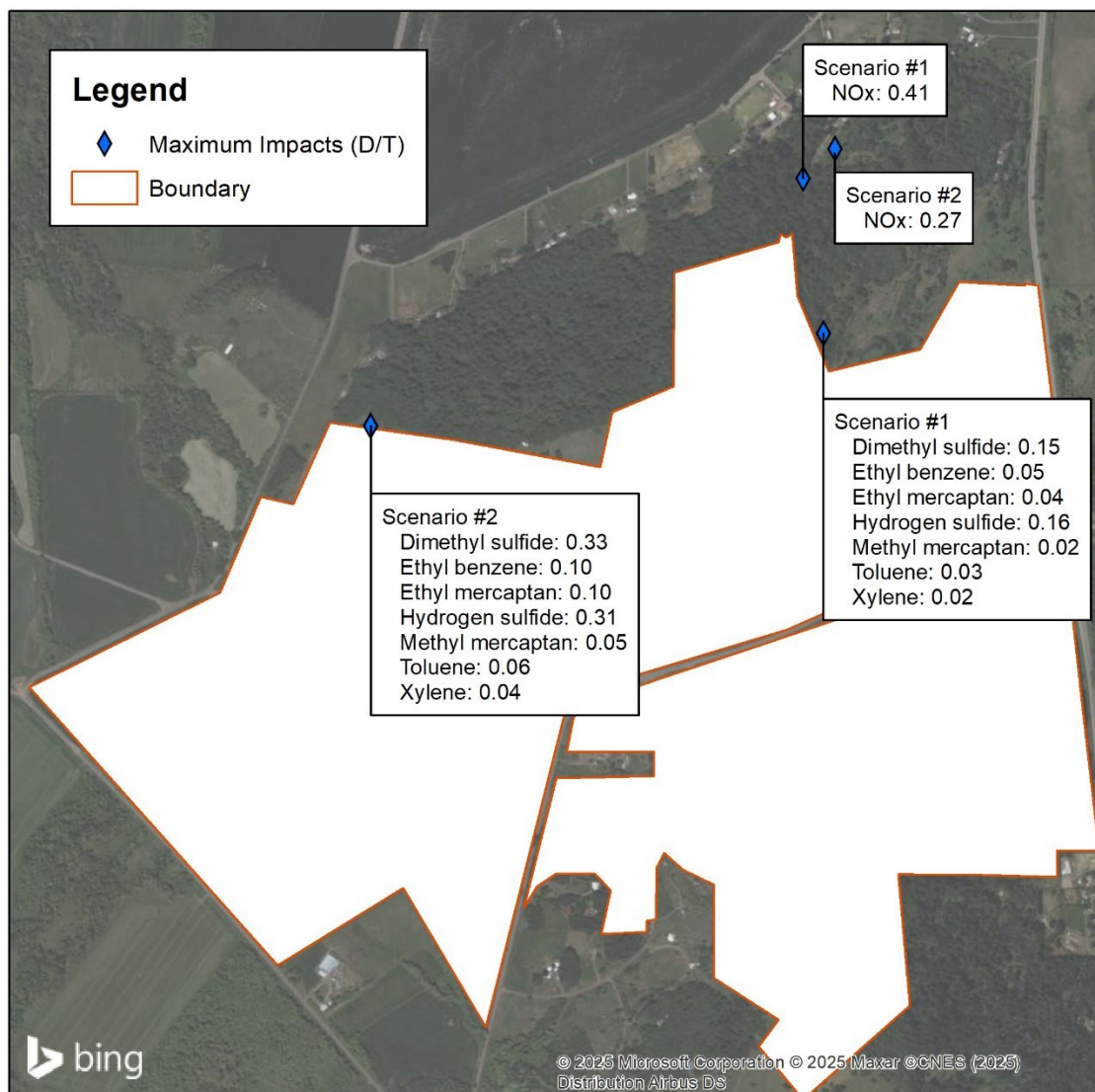
Table 6. Scenario #1: 2023 Model Results

| Odor Pollutant                           | Max Impact (ug/m3) | Odor Threshold (ug/m3) | Max D/T     | Driving Source       | Max Impact Easting UTM Zone 10 (m) | Max Impact Northing UTM Zone 10 (m) |
|------------------------------------------|--------------------|------------------------|-------------|----------------------|------------------------------------|-------------------------------------|
| <b>Dimethyl sulfide (methyl sulfide)</b> | <b>0.38</b>        | <b>2.54</b>            | <b>0.15</b> | <b>FUG</b>           | <b>481,895</b>                     | <b>4,950,080</b>                    |
| Ethyl benzene                            | 0.42               | 8.68                   | 0.05        | FUG                  | 481,895                            | 4,950,080                           |
| Ethyl mercaptan (ethanethiol)            | 0.11               | 2.54                   | 0.04        | FUG                  | 481,895                            | 4,950,080                           |
| Hydrogen sulfide                         | 1.04               | 6.55                   | 0.16        | FUG                  | 481,895                            | 4,950,080                           |
| Methyl mercaptan                         | 0.095              | 4.13                   | 0.02        | FUG                  | 481,895                            | 4,950,080                           |
| <b>NOx (as NO2)</b>                      | <b>769.18</b>      | <b>1,881.62</b>        | <b>0.41</b> | <b>TIP2 and TIP3</b> | <b>481,845</b>                     | <b>4,950,455</b>                    |
| Toluene                                  | 3.12               | 97.99                  | 0.03        | FUG                  | 481,895                            | 4,950,080                           |
| Xylene (mixture)                         | 1.09               | 52.10                  | 0.02        | FUG                  | 481,895                            | 4,950,080                           |

Table 7. Scenario #2: 2052 Model Results

| Odor Pollutant                           | Max Impact (ug/m3) | Odor Threshold (ug/m3) | Max D/T     | Driving Source       | Max Impact Easting UTM Zone 10 (m) | Max Impact Northing UTM Zone 10 (m) |
|------------------------------------------|--------------------|------------------------|-------------|----------------------|------------------------------------|-------------------------------------|
| <b>Dimethyl sulfide (methyl sulfide)</b> | <b>0.84</b>        | <b>2.54</b>            | <b>0.33</b> | <b>FUG</b>           | <b>480,795</b>                     | <b>4,949,855</b>                    |
| Ethyl benzene                            | 0.84               | 8.68                   | 0.10        | FUG                  | 480,795                            | 4,949,855                           |
| Ethyl mercaptan (ethanethiol)            | 0.25               | 2.54                   | 0.10        | FUG                  | 480,795                            | 4,949,855                           |
| Hydrogen sulfide                         | 2.06               | 6.55                   | 0.31        | FUG                  | 480,795                            | 4,949,855                           |
| Methyl mercaptan                         | 0.21               | 4.13                   | 0.05        | FUG                  | 480,795                            | 4,949,855                           |
| <b>NOx (as NO2)</b>                      | <b>511.58</b>      | <b>1,881.62</b>        | <b>0.27</b> | <b>TIP2 and TIP3</b> | <b>481,920</b>                     | <b>4,950,530</b>                    |
| Toluene                                  | 6.16               | 97.99                  | 0.06        | FUG                  | 480,795                            | 4,949,855                           |
| Xylene (mixture)                         | 2.19               | 52.10                  | 0.04        | FUG                  | 480,795                            | 4,949,855                           |

Figure 8. Peak 1-Hour Off-site Odor Impact Locations



No odor pollutants individually exceeded a D/T value of 1 in this analysis. However, isopleths are shown in the next four figures for NOx and dimethyl sulfide in both scenarios to show where odor impacts are expected to be highest based on modeling. Scenario #2 shows a 2 to 2.5 times increase in impacts from all pollutant driven by the fugitive source as landfill gas generation from the landfill is expected to significantly increase from 2023 to 2052. Scenario #1 shows the higher impacts from Nox as relocating the tipper engines and AI source to the southern expansion area is much better for modeling, having a larger buffer to the North and being at a lower elevation.

Based on the odor results in Scenario #1 and #2, a third scenario in the middle of expansion does not seem necessary. This middle scenario would show results in between Scenario #1 and #2 with slight differences based on landfill mound height in the expansion area and would certainly show D/T values less than 1 for all pollutants.

Figure 9. Scenario #1 NOx Odor D/T Contours

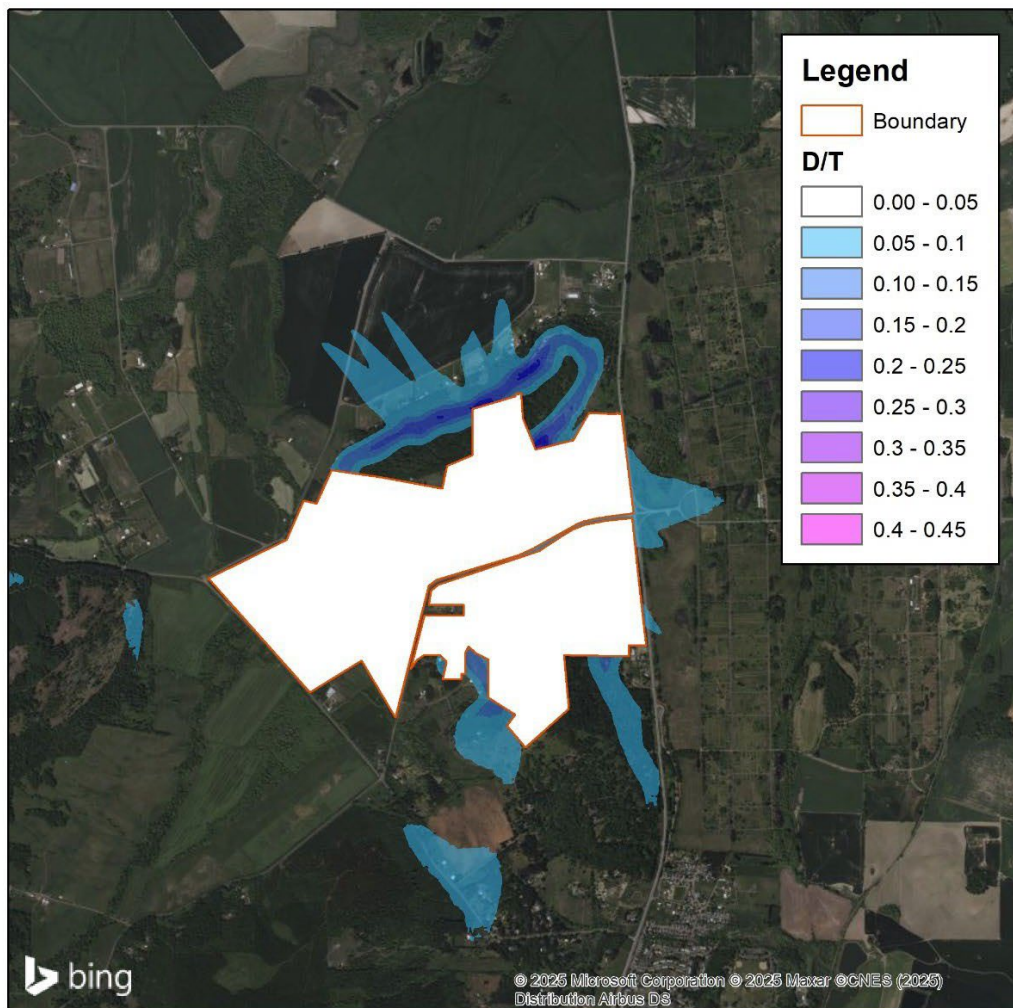


Figure 10. Scenario #1 Dimethyl Sulfide Odor D/T Contours

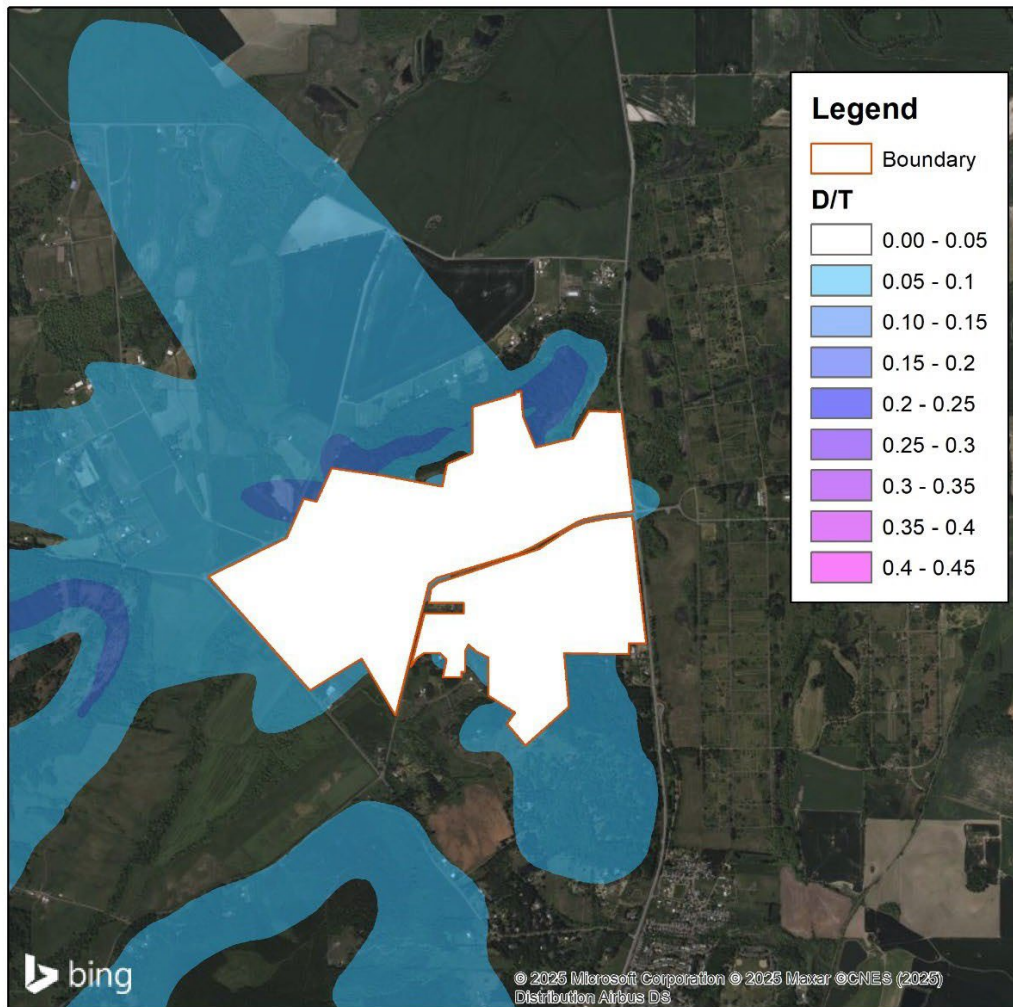


Figure 11. Scenario #2 NOx Odor D/T Contours

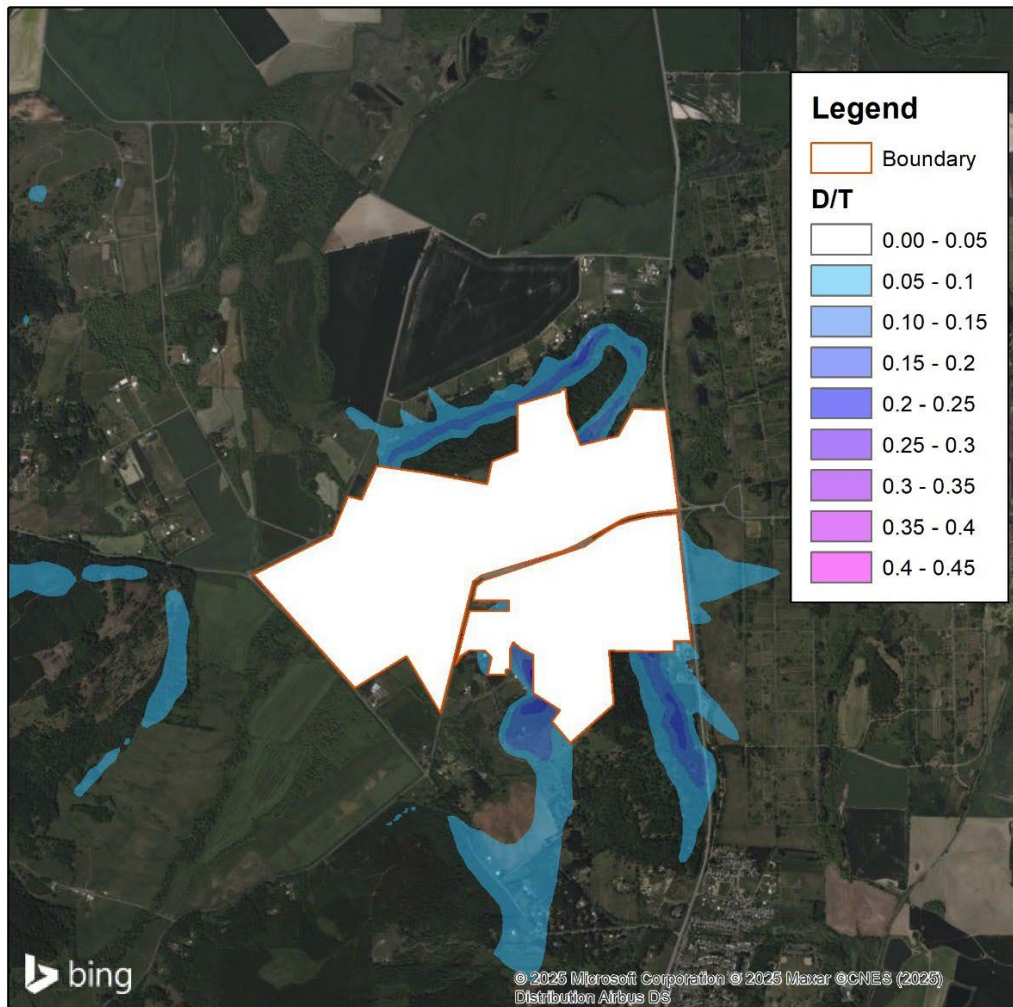
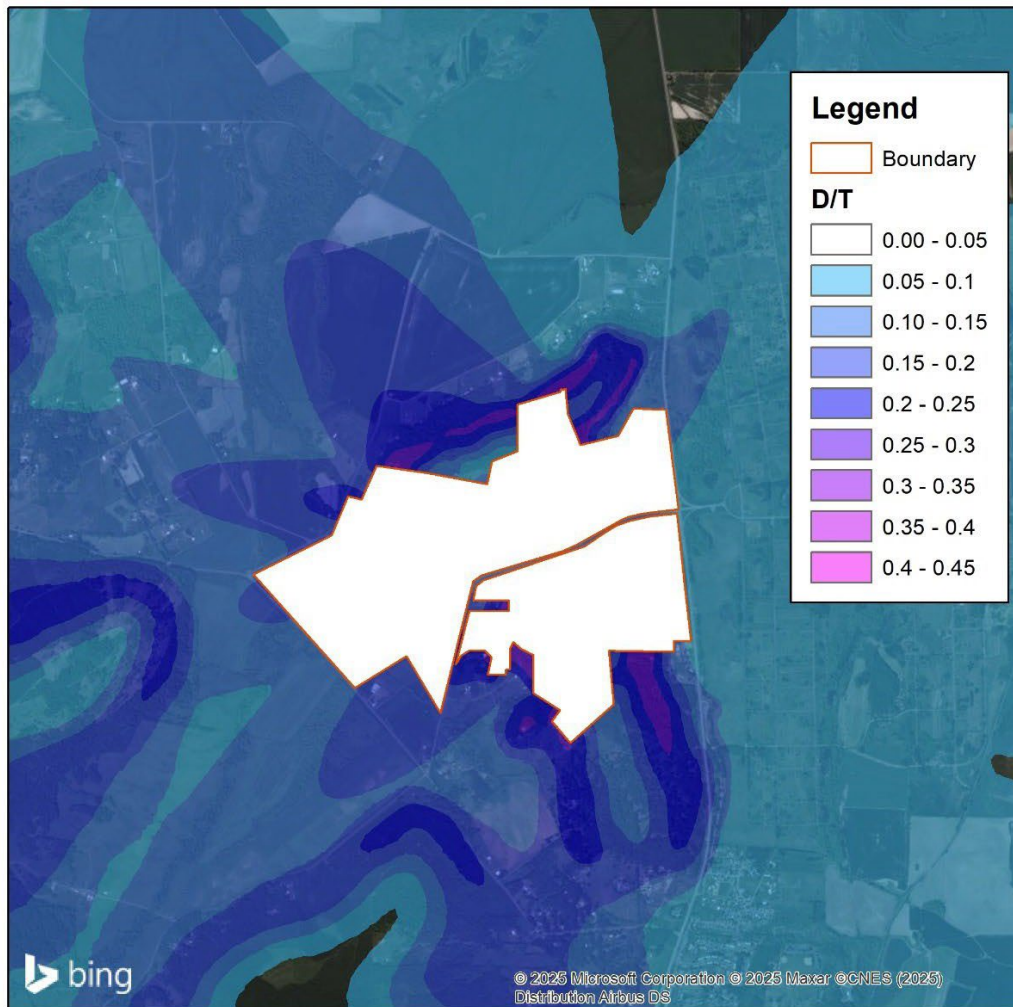


Figure 12. Scenario #2 Dimethyl Sulfide Odor D/T Contours



Based on the odor results in Scenario #1 and #2, a third scenario in the middle of expansion does not seem necessary. This middle scenario would show results in between Scenario #1 and #2 with slight differences based on landfill mound height in the expansion area and would certainly show D/T values less than 1 for all pollutants.

## 5.0 CONCLUSIONS AND UNCERTAINTY ANALYSIS

Conclusions for both odor modeling and complaint analyses are described below. In addition, a discussion on uncertainty in this report is detailed in Section 5.3

### 5.1 MODELING CONCLUSIONS

Since the DEQ has not specified a protocol for odor evaluations, this study modeled pollutants individually so that predicted off-site concentrations could be directly evaluated against the individual pollutant's published odor detection threshold to determine whether the individual pollutant may be detectable in residential or commercial land use areas. This evaluation was accomplished using a D/T ratio for each pollutant modeled (i.e., maximum 1-hour pollutant concentration modeled divided by its odor threshold). A D/T ratio of one for each pollutant was then used as the threshold for determining whether the existing landfill or proposed expansion project would cause a detectable nuisance odor impact.

Based upon the modeling results of the two scenarios, the following conclusions are presented:

- Peak, off-site, 1-hour pollutant concentrations for Scenario #1 (2023 actual operations) were all modeled below the odor thresholds.
- Peak, off-site, 1-hour pollutant concentrations for Scenario #2 (2052 proposed operations) were all modeled below the odor thresholds.
- Peak, off-site, 1-hour pollutant concentrations for Scenario #2 (2052 proposed operations) increased by 2 times as compared to Scenario #1 (2023 actual operation) for all pollutants except NOx. The decrease in NOx impact was due to the change in tipper and AI location, with an increase in all other pollutants based on increased landfill gas generation.
- Peak impact locations were all north of the landfill boundary in Scenario #1 and Scenario #2.
- Moving operations to the proposed expansion area will move the predicted peak, off-site 1-hour impact locations, but impacts would remain below the modeled odor thresholds.

Typically, odors become a nuisance at or above 7 D/T [13, 14] so using 1 D/T for comparison is expected to be conservative. Therefore, this study concludes that the proposed expansion Project will not cause detectable off-site nuisance odor impacts at nearby residential or commercial areas.

### 5.2 ODOR COMPLAINT CONCLUSIONS

The odor complaint analysis for complaints logged in 2022 through 2024 indicated the following conclusions:

- Complaint locations ranged from adjacent to CBLF to as far as seven miles away.
- Most complaints were located Southwest and South of CBLF, requiring wind from the North or Northeast to be coming from the landfill.
- Dominant wind patterns come from the South-Southeast and West based on the meteorological dataset.
- Complaints peaked in the morning from 8:00 AM to 11:00 AM.
- Complaints specifically peaked in winter months, possibly due to thermal inversions. Colder temperatures have less thermal mixing which leads to higher air quality and odor impacts.
- Correlating the complaint location to wind data during the complaint time showed only 1% of complaints "likely" to come from the landfill and 58% to be "possible" from the landfill.

## 5.3 UNCERTAINTY ANALYSIS

Odor modeling is inherently complex and subjective, leading to significant uncertainty. The model performed to average emission rates and ran them over hour averages of on-site meteorological data for a whole year from November 1<sup>st</sup> 2004 through October 31<sup>st</sup> 2005. The maximum hourly impact at each off-site receptor was presented, but does not take into account shorter term (less than 1 hour) timeframes when odor concentrations could be higher with the right meteorological conditions. In addition, AERMOD has limitations at low wind speeds and is not able to model thermal inversions which could be present around CBLF.

In addition, the odor detection thresholds for each pollutant are highly varied depending on the person. In general, these odor thresholds are based on a concentration where half of the general public is able to detect the smell at a specific time and location. Certain odorous chemicals can also have an additive effect, where their smells are similar enough that the concentrations of each constituent can be added to compare to a detection threshold. During a February 2025 meeting with SCS and the County's consultants, it was agreed to model pollutants individually so that predicted off-site concentrations could be directly evaluated against the individual pollutant's published odor detection threshold to determine whether the individual pollutant may be detectable in residential or commercial land use areas. However, even when considering an additive effect, the D/T remains below 1 for the top five pollutants.

These limitations have the potential to underpredict odor concentrations. It is possible for odors to be detectable by people that are sensitive to particular odors, especially in low wind or thermal inversion conditions.

Uncertainty is also present in the odor complaint review. The time recorded for the complaint does not necessarily line up with the timeframe an odor was detected by the complainant. Thus it is hard to determine the actual wind direction/speed when the odor was detected. Another issue with analyzing complaints is that significant amounts of information are missing from each complaint. To get a full understanding of CBLF's contribution to the odor, each complaint would ideally include exact time and location the odor was detected, and a description of the odor at that time frame for comparison.

## 6.0 REFERENCES

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## Appendix A

### Odor Complaint Review

Comparison of CBLF Odor Complaints to On-site Wind Data

| Odor Event ID | Odor Event Date | Odor Event Time | Complainant                                                                                                         | Location of Odor                    | Description/Rating                                                                                                                                                | Distance from Complaint Location to CBLF * | Direction from Complaint Location to CBLF ** | On-site Wind Direction | Comments                                                                                                                                                                                                                       | Correlation Category |
|---------------|-----------------|-----------------|---------------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|----------------------------------------------|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| 1             | 2/22/2022       | (N/A)           | DEQ informed us of 25 odor complaints they had received between 11/18/21 and 2/7/22. No additional details provided | (N/A)                               | (N/A)                                                                                                                                                             | (N/A)                                      | (N/A)                                        | (N/A)                  | Complaint times not specified. Wind speeds and wind directions varied throughout the period.                                                                                                                                   | Unknown              |
| 2             | 7/1/2022        | 10:00 AM        | via DEQ                                                                                                             | (N/A)                               | "The usual stench from the landfill. Once again occurring at my location as the marine clouds lift and the day warms.                                             | (N/A)                                      | (N/A)                                        | Calm                   | Southwest wind (0 mph). Winds were from the southwest (0-3 mph) between 0030 and 1030 hours.                                                                                                                                   | Possible             |
| 3             | 7/26/2022       | 8:00 AM         | via DEQ                                                                                                             | (N/A)                               | "odors from the Coffin Butte Landfill. Quite noticeable this morning while we had a high pressure system and no wind", complex toxic chemical slew                | (N/A)                                      | (N/A)                                        | SW                     | Southwest wind (1 mph). Winds were calm (0 mph) between 0230 and 0730 hours.                                                                                                                                                   | Possible             |
| 4             | 7/30/2022       | 8:00 AM         | via DEQ                                                                                                             | (N/A)                               | Coffin Butte Landfill by Republic. Sulfur, dump odor                                                                                                              | (N/A)                                      | (N/A)                                        | Calm                   | South-southeast wind (0 mph). Winds were from the east-northeast (4 mph) at 0700 hours, then calm (0 mph) at 0730 and 0800 hours.                                                                                              | Possible             |
| 5             | 8/15/2022       | 9:13 AM         | via DEQ                                                                                                             | (N/A)                               | "the Coffin Butte Dump smell is noticeable on occasion. Today it is really bad. To the point of making me sick to my stomach when I walk around outside", methane | (N/A)                                      | (N/A)                                        | S / SW                 | South to southwest winds (1-5 mph). Winds were calm (0 mph) between 0430 and 0830 hours.                                                                                                                                       | Possible             |
| 6             | 8/17/2022       | (N/A)           | DEQ                                                                                                                 | assorted via DEQ                    | (N/A)                                                                                                                                                             | (N/A)                                      | (N/A)                                        | (N/A)                  | Complaint time not specified. Wind speeds and wind directions varied throughout the day.                                                                                                                                       | Unknown              |
| 7             | 12/13/2022      | (N/A)           | complaint forwarded to Ian Macnab from Hugh Gao of DEQ. No specific details of timing of event.                     | "neighborhood surrounding landfill" | "emissions gas, unsafe air quality"                                                                                                                               | (N/A)                                      | (N/A)                                        | (N/A)                  | Complaint time not specified. Wind speeds and wind directions varied throughout the day.                                                                                                                                       | Unknown              |
| 8             | 9/28/2023       | (N/A)           | N/A (forwarded from DEQ) 2/7/24                                                                                     | (N/A)                               | "overpowering and pervasive to my nostrils and eyes"                                                                                                              | (N/A)                                      | (N/A)                                        | (N/A)                  | Complaint time not specified. Wind speeds and wind directions varied throughout the day.                                                                                                                                       | Unknown              |
| 9             | 11/21/2023      | (N/A)           | Becky LeBlanc                                                                                                       | Writsman Creek Dr                   | "dump smell"                                                                                                                                                      | ~ 3. 8 miles                               | NE                                           | (N/A)                  | Complaint time not specified. Winds were briefly from north-northeast at 1000, 1130, and 1230 hours. Winds were from the north-northeast (0-5 mph) between 1400 and 2330 hours. Possible due to channeling effects of terrain. | Unknown              |
| 10            | 11/29/2023      | 12:40 PM        | Larry Leblanc                                                                                                       | Writsman Creek Dr                   | (N/A)                                                                                                                                                             | ~ 3. 8 miles                               | NE                                           | Calm                   | North-northeast wind (0 mph). Winds were from the north-northeast (0-4 mph) between 0700 to 1300 hours. Possible due to channeling effects of terrain.                                                                         | Possible             |
| 11            | 12/1/2023       | 3:36 PM         | Becky LeBlanc                                                                                                       | Writsman Creek Dr                   | (N/A)                                                                                                                                                             | ~ 3. 8 miles                               | NE                                           | S                      | South wind (6 mph). Winds had a southerly component prior to event.                                                                                                                                                            | Not likely           |
| 12            | 12/12/2023      | 1:35 PM         | Larry LeBlanc                                                                                                       | Writsman Creek Dr                   | (N/A)                                                                                                                                                             | ~ 3. 8 miles                               | NE                                           | WNW                    | West-northwest wind (2 mph). Wind was briefly from the northeast (2 mph) at 1230 hours.                                                                                                                                        | Possible             |
| 13            | 12/14/2023      | (N/A)           | N/A (forwarded from DEQ) 2/7/24                                                                                     | (N/A)                               | "particularly nasty"                                                                                                                                              | (N/A)                                      | (N/A)                                        | (N/A)                  | Complaint time not specified. Wind speeds and wind directions varied throughout the day.                                                                                                                                       | Unknown              |

Comparison of CBLF Odor Complaints to On-site Wind Data

| Odor Event ID | Odor Event Date | Odor Event Time | Complainant                      | Location of Odor                               | Description/Rating                                                | Distance from Complaint Location to CBLF * | Direction from Complaint Location to CBLF ** | On-site Wind Direction | Comments                                                                                                                                                | Correlation Category |
|---------------|-----------------|-----------------|----------------------------------|------------------------------------------------|-------------------------------------------------------------------|--------------------------------------------|----------------------------------------------|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| 14            | 12/15/2023      | 12:00 PM        | N/A (forwarded from DEQ) 2/7/24  | highway 20 at independence highway             | "absolutely overpowering"                                         | ~ 5.1 miles                                | NNW                                          | WNW                    | West-northwest wind (1 mph). Winds were from the west-northwest (0-3 mph) between 0000 and 1230 hours.                                                  | Not likely           |
| 15            | 12/16/2023      | 2:00 PM         | Larry LeBlanc                    | Writsman Creek Dr                              | "overwelming stench this morning"                                 | ~ 3. 8 miles                               | NE                                           | NNE                    | North-northeast wind (4 mph). Winds were from the north-northeast (3-4 mph) between 1230 and 1400 hours. Possible due to channeling effects of terrain. | Possible             |
| 16            | 12/25/2023      | (N/A)           | N/A (forwarded from DEQ) 2/7/24  | (N/A)                                          | "like rotten garbage, some sort of gas"                           | (N/A)                                      | (N/A)                                        | (N/A)                  | Complaint time not specified. Wind speeds and wind directions varied throughout the day.                                                                | Unknown              |
| 17            | 1/12/2024       | 12:15 PM        | N/A (forwarded from DEQ)         | "apx 3 miles from Coffin Butte landfill"       | "horrible smell of the landfill"                                  | ~ 3 miles                                  | (N/A)                                        | N / NNE                | North-northeast wind (6 mph) at 1200 hours. North wind (4 mph) at 1230 hours.                                                                           | Possible             |
| 18            | 1/18/2024       | 12:00 PM        | N/A (forwarded from DEQ) 2/7/24  | (N/A)                                          | (N/A)                                                             | (N/A)                                      | (N/A)                                        | Calm                   | Northeast wind (0 mph). Winds were from the northeast (0-3 mph) between 0800 and 1200 hours.                                                            | Possible             |
| 19            | 1/18/2024       | 12:00 PM        | N/A (forwarded from DEQ) 2/7/24  | (N/A)                                          | "odor was very obvious"                                           | (N/A)                                      | (N/A)                                        | Calm                   | Northeast wind (0 mph). Winds were from the northeast (0-3 mph) between 0800 and 1200 hours.                                                            | Possible             |
| 20            | 1/18/2024       | 1:30 PM         | N/A (forwarded from DEQ) 2/7/24  | "several miles south of Coffin Butte landfill" | "incredibly intense"                                              | ~ 2+ miles                                 | N                                            | NNW                    | North-northwest wind (2 mph). Winds had a northerly component between 0530 and 1330 hours.                                                              | Possible             |
| 21            | 1/18/2024       | 3:30 PM         | N/A (forwarded from DEQ) 2/7/24  | (N/A)                                          | "really bad"                                                      | (N/A)                                      | (N/A)                                        | SW                     | Southwest wind (3 mph). Winds had just shifted from northwest / west-northwest to southwest.                                                            | Possible             |
| 22            | 1/18/2024       | 4:00 PM         | N/A (forwarded from DEQ) 2/7/24  | "town of Corvallis"                            | "hits you like a wet blanket and permeates into the home as well" | ~ 6.7 miles                                | N                                            | NW                     | Northwest wind (6 mph).                                                                                                                                 | Not likely           |
| 23            | 1/19/2024       | 8:00 AM         | N/A (forwarded from DEQ) 2/7/24  | (N/A)                                          | "very apparent"                                                   | (N/A)                                      | (N/A)                                        | SW                     | Southwest wind (2 mph). Winds were calm (0 mph) between 0500 and 0730 hours.                                                                            | Possible             |
| 24            | 2/3/2024        | 9:00 AM         | N/A (forwarded from DEQ) 2/7/24  | (N/A)                                          | "foul chemical odor"                                              | (N/A)                                      | (N/A)                                        | S                      | South wind (2 mph). Winds were calm (0 mph) between 0530 and 0830 hours.                                                                                | Possible             |
| 25            | 2/3/2024        | 10:00 AM        | N/A (forwarded from DEQ) 2/7/24  | (N/A)                                          | "Strong smell of methane"                                         | (N/A)                                      | (N/A)                                        | Calm                   | South wind (0 mph). Winds were calm (0 mph) between 0530 and 1000 hours except for south wind (2 mph) at 0900 hours.                                    | Possible             |
| 26            | 2/3/2024        | 1:00 PM         | N/A (forwarded from DEQ) 2/7/24  | "apx 3 miles from the landfill"                | "nasty, horrible and probably not good for anyone to breathe"     | ~ 3 miles                                  | (N/A)                                        | NNE                    | North-northeast wind (2 mph). Winds were calm (0 mph) between 0930 and 1230 hours.                                                                      | Possible             |
| 27            | 2/3/2024        | 3:00 PM         | N/A (forwarded from DEQ) 2/7/24  | (N/A)                                          | "Chemical type smell, Horrible"                                   | (N/A)                                      | (N/A)                                        | Calm                   | North-northeast wind (0 mph). Winds from the north-northeast (1-4 mph) between 1400 and 1430 hours.                                                     | Possible             |
| 28            | 2/3/2024        | (N/A)           | N/A (forwarded from DEQ) 2/16/24 | "south end Tampico Rd"                         | "so strong"                                                       | ~ 1.7 miles                                | NNW                                          | (N/A)                  | Complaint time not specified. Wind speeds and wind directions varied throughout the day.                                                                | Unknown              |
| 29            | 2/8/2024        | 12:46 PM        | N/A (forwarded from DEQ) 2/16/24 | (N/A)                                          | "strong"                                                          | (N/A)                                      | (N/A)                                        | NNE                    | North-northeast wind (1-5 mph). Winds were calm (0 mph) between 0000 and 1130 hours.                                                                    | Possible             |
| 30            | 2/10/2024       | 7:30 AM         | N/A (forwarded from DEQ) 2/16/24 | "soap creek rd"                                | "awful stench"                                                    | ~ 0 to 5.4 miles                           | Various                                      | Calm                   | South wind (0 mph). Winds were calm (0 mph) between 0000 and 0730 hours.                                                                                | Possible             |
| 31            | 2/10/2024       | 8:30 AM         | N/A (forwarded from DEQ) 2/16/24 | "soap creek valley"                            | "stinky air" "especially bad"                                     | ~ 3.3 miles                                | NE                                           | Calm                   | South wind (0 mph). Winds were calm (0 mph) between 0000 and 0830 hours.                                                                                | Not likely           |

Comparison of CBLF Odor Complaints to On-site Wind Data

| Odor Event ID | Odor Event Date | Odor Event Time | Complainant                      | Location of Odor                                       | Description/Rating                                   | Distance from Complaint Location to CBLF * | Direction from Complaint Location to CBLF ** | On-site Wind Direction | Comments                                                                                                                                    | Correlation Category |
|---------------|-----------------|-----------------|----------------------------------|--------------------------------------------------------|------------------------------------------------------|--------------------------------------------|----------------------------------------------|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| 32            | 2/10/2024       | 9:29 AM         | N/A (forwarded from DEQ) 2/16/24 | "by the landfill"                                      | (N/A)                                                | (N/A)                                      | (N/A)                                        | Calm                   | South wind (0 mph). Winds were calm (0 mph) between 0000 and 1030 hours.                                                                    | Possible             |
| 33            | 2/13/2024       | (N/A)           | N/A (forwarded from DEQ) 2/16/24 | "above 800ft elevation, along Vineyard Mountain Ridge" | "the usual Coffin Butte stench"                      | ~ 4.7 miles                                | NNE                                          | (N/A)                  | Complaint time not specified. Wind speeds and wind directions varied throughout the day.                                                    | Unknown              |
| 34            | 2/14/2024       | 8:30 AM         | N/A (forwarded from DEQ) 2/16/24 | (N/A)                                                  | "very bad"                                           | (N/A)                                      | (N/A)                                        | Calm                   | North-northeast wind (0 mph). Winds were calm (0 mph) between 0700 and 0830 hours.                                                          | Possible             |
| 35            | 2/14/2024       | 11:00 AM        | N/A (forwarded from DEQ) 2/23/24 | "my home, Soap creek rd, Tampico rd, Adair Village"    | "usual rotting garbage odor"                         | ~ 0 to 1.8 miles                           | Various                                      | Calm                   | North-northeast wind (0 mph). Winds were calm (0 mph) between 0700 and 1100 hours.                                                          | Possible             |
| 36            | 2/15/2024       | 10:51 PM        | N/A (forwarded from DEQ) 2/23/24 | (N/A)                                                  | "extremely strong"                                   | (N/A)                                      | (N/A)                                        | WSW                    | West-southwest wind (3 mph) at 2300 hours. Winds had a northerly component between 2030 and 2230 hours.                                     | Possible             |
| 37            | 2/20/2024       | 9:00 AM         | N/A (forwarded from DEQ) 2/23/24 | (N/A)                                                  | "rotting garbage"                                    | (N/A)                                      | (N/A)                                        | S                      | South wind (3 mph). Winds were from the east-northeast (0-3 mph) between 0700 and 0830 hours.                                               | Possible             |
| 38            | 2/20/2024       | 3:00 PM         | N/A (forwarded from DEQ) 2/23/24 | 700-800 ft elevation                                   | "usual landfill stench"                              | (N/A)                                      | (N/A)                                        | Calm                   | North-northeast wind (0 mph). Winds were calm (0 mph) between 1330 and 1500 hours except for north-northeast (4 mph) at 1430 hours.         | Possible             |
| 39            | 2/20/2024       | 3:37 PM         | N/A (forwarded from DEQ) 2/23/24 | (N/A)                                                  | "malodorous chemical smell"                          | (N/A)                                      | (N/A)                                        | Calm                   | North-northeast wind (0 mph) at 1530. Winds were calm (0 mph) between 1330 and 1600 hours except for north-northeast (4 mph) at 1430 hours. | Possible             |
| 40            | 2/22/2024       | 10:48 AM        | N/A (forwarded from DEQ) 3/1/24  | 7 miles south of the landfill                          | (N/A)                                                | ~ 7 miles                                  | N                                            | W                      | West wind (3 mph). Winds were calm or from the south (0-3 mph) between 0400 and 1030 hours.                                                 | Not likely           |
| 41            | 2/24/2024       | 1:00 PM         | N/A (forwarded from DEQ) 3/1/24  | (N/A)                                                  | "Rotting stench"                                     | (N/A)                                      | (N/A)                                        | NNE                    | North-northeast wind (3 mph).                                                                                                               | Possible             |
| 42            | 2/24/2024       | (N/A)           | N/A (forwarded from DEQ) 3/1/24  | 3 miles south of landfill                              | "sour, reeking stench"                               | ~ 3 miles                                  | N                                            | (N/A)                  | Complaint time not specified. Wind speeds and wind directions varied throughout the day.                                                    | Unknown              |
| 43            | 3/6/2024        | 7:30 AM         | forwarded from DEQ               | "South of Landfill"                                    | "Reeking Stench"                                     | ~ 0 miles                                  | N                                            | Calm                   | South-southeast wind (0 mph). Winds were calm (0 mph) between 0000 and 0930 hours.                                                          | Possible             |
| 44            | 3/8/2024        | 8:30 AM         | Faye Yoshihara                   | 37461 Soap Creek Rd.                                   | "rotting garbage plus acrid chemical smell", level 8 | ~ 3.7 miles                                | NE                                           | Calm                   | South-southeast wind (0 mph). Winds were calm (0 mph) between 0000 and 0830 hours.                                                          | Not likely           |
| 45            | 3/8/2024        | 1:00 PM         | Ken Kupperman                    | 12425 Sauerkraut Rd                                    | "5"                                                  | ~ 5 miles                                  | SE                                           | NNE                    | North-northeast (1 mph). Wind was from the north-northeast (0-2 mph) between 1030 and 1300 hours.                                           | Not likely           |
| 46            | 3/12/2024       | 2:30 PM         | forwarded from DEQ               | E.E. Wilson State Wildlife Area                        | "landfill odor with a noxious chemical component"    | ~ 1 mile                                   | W                                            | SSW                    | South-southwest wind (9 mph). Strong winds (6-9 mph) between 1330 and 1430 hours are not typically associated with odor complaints.         | Not likely           |
| 47            | 3/23/2024       | 8:00 AM         | Kate Schoenhals                  | White Fir and Trillium Lane, also Robison road         | "foul/gassy, for two hours"                          | ~ 1.1 to 1.8 miles                         | Various                                      | Calm                   | Northeast wind (0 mph). Winds were from the northeast (0-2 mph) between 0500 and 0800 hours.                                                | Not likely           |
| 48            | 4/1/2024        | 8:00 AM         | Elizabeth Patte                  | 37655 Zeolite Hills Rd                                 | 10                                                   | ~ 3.6 miles                                | NE                                           | Calm                   | South-southwest wind (0 mph). Winds were calm (0 mph) between 0000 and 0800 hours except for south-southwest (1 mph) at 0400 hours.         | Not likely           |

Comparison of CBLF Odor Complaints to On-site Wind Data

| Odor Event ID | Odor Event Date | Odor Event Time | Complainant               | Location of Odor                           | Description/Rating                                         | Distance from Complaint Location to CBLF * | Direction from Complaint Location to CBLF ** | On-site Wind Direction | Comments                                                                                                                            | Correlation Category |
|---------------|-----------------|-----------------|---------------------------|--------------------------------------------|------------------------------------------------------------|--------------------------------------------|----------------------------------------------|------------------------|-------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| 49            | 4/1/2024        | 9:00 AM         | Vicki Druliner            | 27673 Writsman Creek Drive                 | "incredibly bad", 10                                       | ~ 3.7 miles                                | NE                                           | Calm                   | South-southwest wind (0 mph). Winds were calm (0 mph) between 0000 and 0900 hours except for south-southwest (1 mph) at 0400 hours. | Not likely           |
| 50            | 4/1/2024        | 11:30 PM        | Nathalie Sutherland       | 2281 Paddington Dr NW                      | 10, "smells like rotten eggs. But worse. More chemically." | ~ 5.2 miles                                | WNW                                          | Calm                   | Southeast wind (0 mph). Winds were mostly calm (0 mph) between 1830 and 2330 hours except for east-southeast (1 mph) at 2300 hours. | Not likely           |
| 51            | 4/12/2024       | 7:00 AM         | forwarded from DEQ        | "my house"                                 | "overpowering landfill stench"                             | (N/A)                                      | (N/A)                                        | Calm                   | North-northeast wind (0 mph). Winds were from the north-northeast (0-1 mph) between 0600 and 0700 hours.                            | Possible             |
| 52            | 5/2/2024        | 7:00 PM         | forwarded from DEQ        | (N/A)                                      | "Strong odors"                                             | (N/A)                                      | (N/A)                                        | Calm                   | East-northeast wind (0 mph). Winds were calm (0 mph) between 1500 and 1900 hours.                                                   | Possible             |
| 53            | 5/23/2024       | 7:30 AM         | forwarded from DEQ        | (N/A)                                      | "smell of Garbage" overwhelming                            | (N/A)                                      | (N/A)                                        | NNE                    | North-northeast wind (4 mph). Winds were calm (0 mph) between 0300 and 0700 hours.                                                  | Possible             |
| 54            | 5/23/2024       | 7:50 AM         | forwarded from DEQ        | 5 miles from the dump                      | smell the dump                                             | ~ 5 miles                                  | (N/A)                                        | NNE                    | North-northeast wind (3-4 mph). Winds were calm (0 mph) between 0300 and 0700 hours.                                                | Possible             |
| 55            | 5/23/2024       | 9:30 AM         | forwarded from DEQ        | 5 miles south, adair                       | "coffin Butte's effluence"                                 | ~ 5 miles                                  | N                                            | NNE                    | North-northeast wind (3 mph). Winds were from the north-northeast (0-4 mph) between 0730 and 0930 hours.                            | Possible             |
| 56            | 5/23/2024       | 6:00 PM         | forwarded from DEQ        | "near coffin Butte"                        | "trash and rotten egg"                                     | ~ 0 miles                                  | Various                                      | NE                     | Northeast wind (10 mph). Strong winds are not typically associated with odor complaints.                                            | Not likely           |
| 57            | 7/12/2024       | 12:06 AM        | forwarded from DEQ        | "south of the landfill"                    | "landfill smell"                                           | ~ 0 miles                                  | N                                            | WSW                    | West-southwest wind (3 mph). Winds were from the northwest (1-2 mph) between 2300 and 2330.                                         | Not likely           |
| 58            | 7/24/2024       | 1:00 PM         | forwarded from DEQ        | near SE corner of Landfill buffer property | Noticeable unpleasant methane odor                         | ~ 0 miles                                  | NW                                           | S                      | South wind (6 mph). Winds were from the northwest (4 mph) at 1230 hours.                                                            | Possible             |
| 59            | 7/30/2024       | 5:30 PM         | forwarded from DEQ        | 4 miles SE of landfill                     | "landfill dump smell"                                      | ~ 4 miles                                  | NW                                           | SW                     | Southwest wind (6 mph).                                                                                                             | Not likely           |
| 60            | 8/4/2024        | 8:30 AM         | forwarded from DEQ (8/26) | SW of Landfill or driving by               | dump stench                                                | ~ 0 miles                                  | NE                                           | Calm                   | South wind (0 mph). Wind was calm (0 mph) between 0600 and 0830 hours.                                                              | Possible             |
| 61            | 8/8/2024        | 7:40 AM         | Ryan Griffin              | Oak Grove Drive & Powers                   | "dump smell, like driving by", "10"                        | ~ 4 miles                                  | WNW                                          | Calm                   | West-southwest wind (0 mph). Winds were from the west-southwest (0-3 mph) between 0330 and 0800 hours.                              | Not likely           |
| 62            | 8/8/2024        | 7:45 AM         | Lauren Griffin            | Palestine & Oak Grove                      | "9"                                                        | ~ 3.8 miles                                | WNW                                          | Calm                   | West-southwest wind (0 mph). Winds were from the west-southwest (0-3 mph) between 0330 and 0800 hours.                              | Not likely           |
| 63            | 8/9/2024        | 3:15 PM         | forwarded from DEQ        | (N/A)                                      | Piercing garbage smell                                     | (N/A)                                      | (N/A)                                        | WNW / NE               | West-northwest wind (2 mph) at 1500 hours. Northeast wind (2 mph) at 1530 hours.                                                    | Possible             |
| 64            | 8/9/2024        | 5:53 PM         | forwarded from DEQ        | "miles away"                               | "terrible smell"                                           | ~ 2+ miles                                 | (N/A)                                        | SW                     | Southwest wind (10 mph). Strong winds are not typically associated with odor complaints.                                            | Not likely           |
| 65            | 8/18/2024       | 7:30 AM         | Ryan Griffin              | Oak Grove Drive & Powers                   | "smells like driving by the dump", 8                       | ~ 4 miles                                  | WNW                                          | Calm                   | South wind (0 mph). Winds were calm (0 mph) between 0500 and 0730 hours except from the south (2 mph) at 0630 hours.                | Not likely           |
| 66            | 8/23/2024       | 6:30 PM         | forwarded from DEQ        | South of Landfill                          | "landfill chemical stink"                                  | ~ 0 miles                                  | N                                            | NW                     | Northwest wind (1 mph).                                                                                                             | Possible             |
| 67            | 11/26/2024      | 11:30 AM        | forwarded from DEQ        | (N/A)                                      | "Coffin Butte dump stench"                                 | (N/A)                                      | (N/A)                                        | SE                     | Southeast wind (2 mph).                                                                                                             | Possible             |

Comparison of CBLF Odor Complaints to On-site Wind Data

| Odor Event ID | Odor Event Date | Odor Event Time   | Complainant        | Location of Odor             | Description/Rating                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Distance from Complaint Location to CBLF * | Direction from Complaint Location to CBLF ** | On-site Wind Direction | Comments                                                                                                                                      | Correlation Category |
|---------------|-----------------|-------------------|--------------------|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|----------------------------------------------|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| 68            | 11/27/2024      | 7:15 AM           | forwarded from DEQ | (N/A)                        | "went outside with my cup of coffee. Hit with the smell of the landfill"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | (N/A)                                      | (N/A)                                        | S / Calm               | South wind (0-1 mph). Winds were calm (0 mph) between 0400 and 0630 hours.                                                                    | Possible             |
| 69            | 11/30/2024      | 10:00 AM          | forwarded from DEQ | 7 miles S of landfill        | "sitting at my dest, when I stared to smell it. It lasted for a about 3 hours"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ~ 7 miles                                  | N                                            | NNE                    | North-northeast wind (1 mph). Winds were from the north to northeast between 0000 and 1000 hours.                                             | Possible             |
| 70            | 11/30/2024      | 12:00 PM          | forwarded from DEQ | "passing by the... landfill" | "a terrible odor that we could smell from our car for about a mile north                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | ~ 0 miles                                  | Various                                      | ENE                    | East-northeast wind (1 mph).                                                                                                                  | Possible             |
| 71            | 12/1/2024       | 8:30 AM           | forwarded from DEQ | Soap Creek/Writsmen Brook    | "some sort of chemical", "rotten garbage"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | ~ 3.7 miles                                | NE                                           | Calm                   | South-southwest wind (0 mph). Wind was calm (0 mph) between 0200 and 0830 hours.                                                              | Not likely           |
| 72            | 12/1/2024       | 10:00 AM          | forwarded from DEQ | "near Coffin Butte"          | "odor is so bad"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | ~ 0 miles                                  | Various                                      | SSW                    | South-southwest wind (1 mph). Wind was calm (0 mph) between 0200 and 0930 hours.                                                              | Possible             |
| 73            | 12/1/2024       | 10:00 AM          | forwarded from DEQ | (N/A)                        | "sometimes unbearable"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | (N/A)                                      | (N/A)                                        | SSW                    | South-southwest wind (1 mph). Wind was calm (0 mph) between 0200 and 0930 hours.                                                              | Possible             |
| 74            | 12/1/2024       | 11:52 AM          | forwarded from DEQ | "soap creek valley"          | "toxic landfill gases"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | ~ 3.3 miles                                | NE                                           | N                      | North wind (3 mph). Winds were from the south-southwest (0-2 mph) between 1000 and 1130 hours. Possible due to channeling effects of terrain. | Possible             |
| 75            | 12/6/2024       | 9:45 AM           | forwarded from DEQ | (N/A)                        | "landfill stench"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | (N/A)                                      | (N/A)                                        | Calm                   | North-northeast wind (0 mph). Winds were mainly from the north-northeast (0-4 mph) between 0530 and 1000 hours.                               | Possible             |
| 76            | 12/14/2024      | 1:30 PM           | forwarded from DEQ | Coffin Butte Road            | "like a cross between a putrid low tide and an auto repair garage".                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ~ 0 miles                                  | Various                                      | SSW                    | South-southwest wind (3 mph). Winds were from the south-southwest (0-3 mph) between 1030 and 1330 hours.                                      | Not likely           |
| 77            | 12/20/2024      | 3:00 PM           | forwarded from DEQ | 4 miles SSE of the Landfill  | "odor" "far worse than usual"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ~ 4 miles                                  | NNW                                          | Calm                   | West wind (0 mph). Winds were from the west (0-4 mph) between 1330 and 1500 hours.                                                            | Not likely           |
| 78            | 12/23/2024      | 09:30 AM-12:30 PM | forwarded from DEQ | (N/A)                        | "Coffin Butte Landfill is belching landfill gas permeating the air. I was 6.3 miles from the landfill and the stench was very noticeable."                                                                                                                                                                                                                                                                                                                                                                                                                    | ~ 6.3 miles                                | (N/A)                                        | Calm / NE              | Northeast wind (0-4 mph) during this time period. Winds were calm (0 mph) between 0330 and 1030 hours.                                        | Possible             |
| 79            | 12/23/2024      | 2:00 PM           | Maggie Livesay     | 7580 NW Mountain View Drive  | landfill smell, 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ~ 4.2 miles                                | N                                            | Calm                   | Northeast wind (0 mph). Winds were from the northeast (4 mph) at 1200 hours. Winds were calm (0 mph) between 1230 and 1400 hours.             | Not likely           |
| 80            | 12/29/2024      | 9:29 AM           | Virginia Scott     | "driving past dump"          | "stench", "not one type of aroma"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ~ 0 miles                                  | Various                                      | SSE                    | South-southeast wind (2 mph). Winds were calm (0 mph) between 0700 and 0900 hours.                                                            | Not likely           |
| 81            | 12/29/2024      | 9:29 AM & 6:30 PM | forwarded from DEQ | (N/A)                        | "As I was driving past the Coffin Butte dump on Coffin Butte Road in Benton County, OR on Sunday morning the stench was so strong that I has to put the car's air on recirculate until I was well north of the dump. It was equally as terrible on my return trip past the dump at about 6:30 PM on 12/29/24 and was smelly even on recirculate well past the Tampico/Soap Creek intersection. This is an issue because on moist days, like Sunday, when the car air is on recirculate, the car windows fog up which makes it dangerous to turn onto Hwy 99." | Various                                    | Various                                      | SSE / S                | South-southeast wind (2 mph) at 0930 hours. South wind (2 mph) at 1830 hours.                                                                 | Likely               |

Comparison of CBLF Odor Complaints to On-site Wind Data

| Odor Event ID | Odor Event Date | Odor Event Time | Complainant        | Location of Odor | Description/Rating                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Distance from Complaint Location to CBLF * | Direction from Complaint Location to CBLF ** | On-site Wind Direction | Comments                | Correlation Category |
|---------------|-----------------|-----------------|--------------------|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|----------------------------------------------|------------------------|-------------------------|----------------------|
| 82            | 12/29/2024      | 4:45 PM         | forwarded from DEQ | (N/A)            | “Almost every evening to early morning there is a strong methane odor originating from the Coffin Butte Landfill located north of Corvallis in Benton County Oregon. This year the odor has become strong enough to smell indoors if an air filter isn't in use. There is also a tremendous amount of litter and garbage along Camp Adair Road, Hwy 99 and other tributary roads leading to the landfill. The garbage is on the roads, in the ditches soaking in water and leaching into the ground. The air and material pollution is a hazard to humans, wildlife and plant life in the local area. There is no telling what chemicals and hazardous materials are contaminating the local biosphere.” | (N/A)                                      | (N/A)                                        | S                      | South wind (2 mph).     | Possible             |
| 83            | 12/31/2024      | 3:45 PM         | forwarded from DEQ | (N/A)            | “Coffin butte landfill is releasing methane gas and stink into the atmosphere. The stink is becoming worse each day. I don't have enough time to notify you each day of the occurrence but it is becoming much more frequent, approximately 5 days a week now.”                                                                                                                                                                                                                                                                                                                                                                                                                                          | (N/A)                                      | (N/A)                                        | S                      | South wind (2-3 mph).   | Possible             |
| 84            | 1/1/2025        | 12:00 AM        | forwarded from DEQ | (N/A)            | “The Coffin Butte Landfill stench was wafting through the air. Landfill gasses 5 miles from the Landfill. Very strong odor”                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | ~ 5 miles                                  | (N/A)                                        | SW                     | Southwest wind (1 mph). | Possible             |

**Notes:**  
\* Distance relative to CBLF working face reference point ( 44.700815, -123.233034).  
\*\* Direction relative to CBLF working face reference point ( 44.700815, -123.233034).  
(N/A) Not applicable.

## Coffin Butte Landfill On-site Meteorological Data for Recent Odor Complaints (2022 to 2024)

| Time Stamp     | Temperature (F) | Wind Speed (mph) | Wind Direction | Wind Direction (deg) | Odor Event ID | Odor Event Date        | Odor Event Time | Odor Event Day of Week |
|----------------|-----------------|------------------|----------------|----------------------|---------------|------------------------|-----------------|------------------------|
| 1/1/2022 0:00  | 28.8            | 2                | W              | 265                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/1/2022 0:30  | 28.2            | 4                | WNW            | 299                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/1/2022 1:00  | 28              | 3                | NW             | 310                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/1/2022 1:30  | 27.8            | 2                | WNW            | 304                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/1/2022 2:00  | 27.3            | 2                | NW             | 309                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/1/2022 2:30  | 27.6            | 2                | NW             | 313                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/1/2022 3:00  | 27.4            | 1                | NW             | 314                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/1/2022 3:30  | 26              | 0                | NW             | 314                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/1/2022 4:00  | 24.8            | 0                | NW             | 314                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/1/2022 4:30  | 24.5            | 0                | NW             | 314                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/1/2022 5:00  | 25.6            | 0                | NW             | 314                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/1/2022 5:30  | 26              | 0                | NW             | 314                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/1/2022 6:00  | 26.7            | 0                | NW             | 314                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/1/2022 6:30  | 27              | 0                | NW             | 314                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/1/2022 7:00  | 27.3            | 0                | NW             | 314                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/1/2022 7:30  | 27.3            | 0                | NW             | 314                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/1/2022 8:00  | 27.5            | 1                | NW             | 314                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/1/2022 8:30  | 27.7            | 0                | NW             | 314                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/1/2022 9:00  | 28.1            | 0                | NW             | 314                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/1/2022 9:30  | 28.5            | 2                | NW             | 314                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/1/2022 10:00 | 29              | 1                | NW             | 314                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/1/2022 10:30 | 29.9            | 1                | NW             | 314                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/1/2022 11:00 | 32.4            | 1                | NW             | 315                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/1/2022 11:30 | 34.3            | 2                | NNE            | 13                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/1/2022 12:00 | 34.8            | 2                | NNE            | 15                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/1/2022 12:30 | 35.3            | 2                | SSE            | 164                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/1/2022 13:00 | 35.9            | 3                | S              | 172                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/1/2022 13:30 | 35.5            | 2                | S              | 190                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/1/2022 14:00 | 36.1            | 3                | S              | 187                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/1/2022 14:30 | 36.6            | 5                | SSW            | 198                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/1/2022 15:00 | 36.4            | 3                | SSW            | 193                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/1/2022 15:30 | 37.1            | 2                | SSW            | 196                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/1/2022 16:00 | 35.7            | 0                | SSW            | 196                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/1/2022 16:30 | 34.3            | 0                | SSW            | 196                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/1/2022 17:00 | 32.8            | 0                | SSW            | 196                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/1/2022 17:30 | 31.4            | 0                | SSW            | 196                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/1/2022 18:00 | 30.2            | 0                | SSW            | 196                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/1/2022 18:30 | 30.3            | 0                | SSW            | 196                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/1/2022 19:00 | 29.9            | 0                | SSW            | 196                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/1/2022 19:30 | 29.7            | 0                | SSW            | 196                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/1/2022 20:00 | 29.4            | 0                | SSW            | 196                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/1/2022 20:30 | 29.9            | 2                | SSW            | 196                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/1/2022 21:00 | 29.9            | 1                | SSW            | 196                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/1/2022 21:30 | 29.5            | 0                | SSW            | 196                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/1/2022 22:00 | 30.2            | 1                | SSW            | 196                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/1/2022 22:30 | 29.7            | 0                | SSW            | 196                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/1/2022 23:00 | 32.6            | 2                | SSW            | 195                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/1/2022 23:30 | 33.7            | 3                | SSE            | 153                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/2/2022 0:00  | 34.2            | 4                | SSE            | 161                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/2/2022 0:30  | 33.7            | 0                | SSE            | 161                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/2/2022 1:00  | 33              | 2                | SSE            | 160                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/2/2022 1:30  | 33.8            | 1                | NW             | 322                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/2/2022 2:00  | 35.3            | 5                | S              | 180                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/2/2022 2:30  | 35              | 0                | WSW            | 256                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/2/2022 3:00  | 34.7            | 0                | SW             | 219                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/2/2022 3:30  | 35              | 0                | WSW            | 248                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/2/2022 4:00  | 34              | 1                | NE             | 53                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/2/2022 4:30  | 35.1            | 0                | SSW            | 197                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/2/2022 5:00  | 35.9            | 3                | SE             | 134                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/2/2022 5:30  | 35.9            | 4                | S              | 190                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/2/2022 6:00  | 35.7            | 8                | SSW            | 206                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/2/2022 6:30  | 36.3            | 3                | SSE            | 149                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/2/2022 7:00  | 37              | 6                | S              | 170                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/2/2022 7:30  | 37.3            | 8                | SSE            | 159                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/2/2022 8:00  | 36.7            | 4                | SSE            | 165                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/2/2022 8:30  | 36.7            | 6                | WSW            | 238                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/2/2022 9:00  | 37.2            | 9                | S              | 185                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/2/2022 9:30  | 37.7            | 6                | SE             | 146                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/2/2022 10:00 | 38.9            | 7                | SW             | 217                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/2/2022 10:30 | 40.4            | 5                | SW             | 216                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |

## Coffin Butte Landfill On-site Meteorological Data for Recent Odor Complaints (2022 to 2024)

| Time Stamp     | Temperature (F) | Wind Speed (mph) | Wind Direction | Wind Direction (deg) | Odor Event ID | Odor Event Date        | Odor Event Time | Odor Event Day of Week |
|----------------|-----------------|------------------|----------------|----------------------|---------------|------------------------|-----------------|------------------------|
| 1/2/2022 11:00 | 41.4            | 10               | WSW            | 240                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/2/2022 11:30 | 41.5            | 4                | SSW            | 200                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/2/2022 12:00 | 43.5            | 4                | SSE            | 164                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/2/2022 12:30 | 43.7            | 7                | WSW            | 257                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/2/2022 13:00 | 44.8            | 8                | SSW            | 207                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/2/2022 13:30 | 45.6            | 2                | SW             | 220                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/2/2022 14:00 | 46.4            | 5                | S              | 182                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/2/2022 14:30 | 46.8            | 9                | S              | 188                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/2/2022 15:00 | 47.3            | 9                | SSE            | 157                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/2/2022 15:30 | 47.3            | 12               | S              | 187                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/2/2022 16:00 | 47.4            | 10               | SSE            | 148                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/2/2022 16:30 | 47.7            | 8                | SSW            | 204                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/2/2022 17:00 | 47.1            | 6                | SSE            | 163                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/2/2022 17:30 | 46.8            | 9                | SSE            | 165                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/2/2022 18:00 | 46.5            | 5                | SSW            | 209                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/2/2022 18:30 | 45.4            | 4                | SSW            | 196                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/2/2022 19:00 | 44.2            | 8                | SSW            | 205                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/2/2022 19:30 | 44.2            | 9                | SW             | 223                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/2/2022 20:00 | 44.2            | 10               | S              | 185                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/2/2022 20:30 | 44.8            | 8                | SSE            | 159                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/2/2022 21:00 | 45.4            | 6                | SSW            | 211                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/2/2022 21:30 | 45.8            | 5                | S              | 190                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/2/2022 22:00 | 45.3            | 8                | SSW            | 203                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/2/2022 22:30 | 45              | 11               | SSE            | 168                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/2/2022 23:00 | 45              | 8                | SSW            | 197                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/2/2022 23:30 | 44.5            | 7                | SSW            | 192                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/3/2022 0:00  | 44.4            | 9                | SSW            | 195                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/3/2022 0:30  | 44.3            | 12               | SSW            | 214                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/3/2022 1:00  | 44.3            | 7                | S              | 182                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/3/2022 1:30  | 44.2            | 4                | SSE            | 163                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/3/2022 2:00  | 44.4            | 7                | SSW            | 199                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/3/2022 2:30  | 44.5            | 9                | SSW            | 198                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/3/2022 3:00  | 44.6            | 4                | S              | 188                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/3/2022 3:30  | 44.8            | 4                | WSW            | 248                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/3/2022 4:00  | 44.9            | 9                | SSW            | 205                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/3/2022 4:30  | 44.2            | 4                | S              | 178                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/3/2022 5:00  | 42.1            | 1                | WSW            | 256                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/3/2022 5:30  | 41.9            | 1                | SSE            | 148                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/3/2022 6:00  | 41.6            | 6                | SSW            | 200                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/3/2022 6:30  | 40.3            | 7                | SSW            | 203                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/3/2022 7:00  | 39.8            | 5                | S              | 184                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/3/2022 7:30  | 39.7            | 10               | S              | 186                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/3/2022 8:00  | 39.6            | 5                | SSW            | 198                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/3/2022 8:30  | 39.6            | 12               | SSE            | 167                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/3/2022 9:00  | 38.8            | 5                | SSW            | 207                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/3/2022 9:30  | 38.3            | 6                | SSE            | 169                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/3/2022 10:00 | 37.9            | 6                | S              | 177                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/3/2022 10:30 | 37.9            | 6                | S              | 171                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/3/2022 11:00 | 38              | 6                | SSE            | 161                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/3/2022 11:30 | 38.3            | 7                | SSW            | 200                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/3/2022 12:00 | 38.6            | 3                | SSW            | 194                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/3/2022 12:30 | 38.8            | 2                | S              | 188                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/3/2022 13:00 | 38.6            | 1                | SSW            | 207                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/3/2022 13:30 | 38.2            | 2                | S              | 179                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/3/2022 14:00 | 38              | 0                | S              | 179                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/3/2022 14:30 | 37.8            | 5                | S              | 177                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/3/2022 15:00 | 37.2            | 2                | SSW            | 198                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/3/2022 15:30 | 34.7            | 4                | SSE            | 167                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/3/2022 16:00 | 34.7            | 3                | WSW            | 244                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/3/2022 16:30 | 35.4            | 2                | SW             | 232                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/3/2022 17:00 | 35.5            | 0                | SW             | 233                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/3/2022 17:30 | 35.3            | 1                | SW             | 233                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/3/2022 18:00 | 35.6            | 2                | WSW            | 253                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/3/2022 18:30 | 36.6            | 2                | S              | 182                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/3/2022 19:00 | 36.5            | 3                | SSW            | 208                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/3/2022 19:30 | 36.7            | 5                | SW             | 225                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/3/2022 20:00 | 37              | 5                | S              | 188                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/3/2022 20:30 | 36.6            | 4                | S              | 178                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/3/2022 21:00 | 36.1            | 3                | S              | 180                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/3/2022 21:30 | 36.8            | 2                | S              | 171                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |

## Coffin Butte Landfill On-site Meteorological Data for Recent Odor Complaints (2022 to 2024)

| Time Stamp     | Temperature (F) | Wind Speed (mph) | Wind Direction | Wind Direction (deg) | Odor Event ID | Odor Event Date        | Odor Event Time | Odor Event Day of Week |
|----------------|-----------------|------------------|----------------|----------------------|---------------|------------------------|-----------------|------------------------|
| 1/3/2022 22:00 | 36.8            | 5                | SW             | 224                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/3/2022 22:30 | 36.9            | 11               | SSW            | 213                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/3/2022 23:00 | 37.4            | 6                | SSW            | 198                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/3/2022 23:30 | 37.5            | 6                | S              | 173                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/4/2022 0:00  | 37.2            | 1                | SSE            | 163                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/4/2022 0:30  | 36.6            | 0                | S              | 178                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/4/2022 1:00  | 36.4            | 4                | SSW            | 209                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/4/2022 1:30  | 37              | 1                | S              | 172                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/4/2022 2:00  | 37              | 0                | S              | 172                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/4/2022 2:30  | 37.6            | 1                | S              | 184                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/4/2022 3:00  | 37.3            | 3                | S              | 184                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/4/2022 3:30  | 37.6            | 1                | S              | 175                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/4/2022 4:00  | 37.1            | 2                | SSW            | 207                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/4/2022 4:30  | 37.4            | 4                | SSW            | 205                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/4/2022 5:00  | 38              | 4                | SW             | 223                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/4/2022 5:30  | 38.3            | 1                | SSW            | 196                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/4/2022 6:00  | 38.2            | 1                | SSW            | 196                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/4/2022 6:30  | 38.9            | 11               | SSE            | 165                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/4/2022 7:00  | 38.7            | 8                | SSE            | 162                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/4/2022 7:30  | 38.9            | 3                | S              | 183                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/4/2022 8:00  | 39.1            | 4                | SSW            | 196                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/4/2022 8:30  | 39              | 6                | SSE            | 162                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/4/2022 9:00  | 39.3            | 3                | SSW            | 198                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/4/2022 9:30  | 39.8            | 5                | SSW            | 207                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/4/2022 10:00 | 40.2            | 5                | SSW            | 162                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/4/2022 10:30 | 40.6            | 6                | SSW            | 193                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/4/2022 11:00 | 41.2            | 3                | SW             | 216                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/4/2022 11:30 | 41.6            | 4                | S              | 170                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/4/2022 12:00 | 42.3            | 3                | SSW            | 212                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/4/2022 12:30 | 42.4            | 3                | SSW            | 201                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/4/2022 13:00 | 43              | 3                | S              | 174                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/4/2022 13:30 | 43.2            | 3                | S              | 180                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/4/2022 14:00 | 43.5            | 2                | WSW            | 256                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/4/2022 14:30 | 43.7            | 2                | SE             | 134                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/4/2022 15:00 | 43.8            | 1                | ENE            | 67                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/4/2022 15:30 | 43.7            | 3                | ESE            | 111                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/4/2022 16:00 | 43.5            | 4                | SSW            | 196                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/4/2022 16:30 | 43.2            | 3                | SW             | 217                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/4/2022 17:00 | 43              | 5                | ESE            | 118                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/4/2022 17:30 | 43              | 7                | S              | 181                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/4/2022 18:00 | 43              | 5                | S              | 182                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/4/2022 18:30 | 43              | 9                | S              | 177                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/4/2022 19:00 | 43.2            | 11               | SSE            | 148                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/4/2022 19:30 | 43.2            | 9                | S              | 175                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/4/2022 20:00 | 43.1            | 9                | SSE            | 164                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/4/2022 20:30 | 43.1            | 6                | SSE            | 166                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/4/2022 21:00 | 43.4            | 8                | S              | 184                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/4/2022 21:30 | 43.7            | 6                | S              | 175                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/4/2022 22:00 | 43.6            | 3                | S              | 187                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/4/2022 22:30 | 43.7            | 2                | S              | 182                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/4/2022 23:00 | 43.8            | 1                | S              | 182                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/4/2022 23:30 | 44.5            | 2                | SSE            | 159                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/5/2022 0:00  | 45.3            | 2                | SE             | 143                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/5/2022 0:30  | 45.4            | 1                | SE             | 142                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/5/2022 1:00  | 45.6            | 1                | SE             | 142                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/5/2022 1:30  | 45.5            | 0                | SE             | 142                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/5/2022 2:00  | 45              | 3                | S              | 175                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/5/2022 2:30  | 44.8            | 0                | SSW            | 201                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/5/2022 3:00  | 44.4            | 2                | SSW            | 201                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/5/2022 3:30  | 43.8            | 3                | S              | 188                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/5/2022 4:00  | 43.8            | 3                | S              | 184                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/5/2022 4:30  | 43.3            | 4                | S              | 184                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/5/2022 5:00  | 43.4            | 0                | SSW            | 200                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/5/2022 5:30  | 42.9            | 4                | S              | 187                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/5/2022 6:00  | 42.7            | 0                | S              | 186                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/5/2022 6:30  | 42.3            | 2                | S              | 186                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/5/2022 7:00  | 42.2            | 0                | S              | 186                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/5/2022 7:30  | 42              | 0                | S              | 186                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/5/2022 8:00  | 41.7            | 2                | S              | 186                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/5/2022 8:30  | 41.9            | 1                | SW             | 223                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |

## Coffin Butte Landfill On-site Meteorological Data for Recent Odor Complaints (2022 to 2024)

| Time Stamp     | Temperature (F) | Wind Speed (mph) | Wind Direction | Wind Direction (deg) | Odor Event ID | Odor Event Date        | Odor Event Time | Odor Event Day of Week |
|----------------|-----------------|------------------|----------------|----------------------|---------------|------------------------|-----------------|------------------------|
| 1/5/2022 9:00  | 41.9            | 0                | SW             | 223                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/5/2022 9:30  | 42.6            | 2                | SW             | 234                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/5/2022 10:00 | 42.9            | 0                | SW             | 234                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/5/2022 10:30 | 43              | 0                | SW             | 234                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/5/2022 11:00 | 43.2            | 2                | SW             | 234                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/5/2022 11:30 | 43.5            | 3                | S              | 188                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/5/2022 12:00 | 43.6            | 0                | S              | 188                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/5/2022 12:30 | 44.1            | 0                | S              | 188                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/5/2022 13:00 | 43.7            | 0                | NNE            | 18                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/5/2022 13:30 | 43.9            | 2                | NNE            | 18                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/5/2022 14:00 | 44              | 0                | NNE            | 21                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/5/2022 14:30 | 44.2            | 1                | NNE            | 21                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/5/2022 15:00 | 44.3            | 2                | NNE            | 21                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/5/2022 15:30 | 44.4            | 0                | NNE            | 21                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/5/2022 16:00 | 44.3            | 0                | NNE            | 21                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/5/2022 16:30 | 44.3            | 0                | NNE            | 21                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/5/2022 17:00 | 44.2            | 1                | NNE            | 21                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/5/2022 17:30 | 44.2            | 0                | NNE            | 21                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/5/2022 18:00 | 44.3            | 2                | NNE            | 34                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/5/2022 18:30 | 44.6            | 3                | NNE            | 30                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/5/2022 19:00 | 44.9            | 1                | NNE            | 30                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/5/2022 19:30 | 46.6            | 3                | SSW            | 199                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/5/2022 20:00 | 46.7            | 3                | SSW            | 193                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/5/2022 20:30 | 46.8            | 8                | SSE            | 169                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/5/2022 21:00 | 47.6            | 4                | SSW            | 199                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/5/2022 21:30 | 48.3            | 4                | SSW            | 203                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/5/2022 22:00 | 48.9            | 7                | SW             | 227                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/5/2022 22:30 | 49.7            | 4                | S              | 191                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/5/2022 23:00 | 50              | 7                | SW             | 218                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/5/2022 23:30 | 50.2            | 3                | SSW            | 200                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/6/2022 0:00  | 50.9            | 5                | SE             | 140                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/6/2022 0:30  | 51.3            | 7                | SW             | 236                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/6/2022 1:00  | 51.6            | 8                | W              | 261                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/6/2022 1:30  | 51.9            | 6                | SSW            | 203                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/6/2022 2:00  | 52.1            | 9                | SSW            | 210                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/6/2022 2:30  | 52.2            | 7                | SSW            | 194                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/6/2022 3:00  | 52.3            | 3                | S              | 173                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/6/2022 3:30  | 52.3            | 5                | S              | 180                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/6/2022 4:00  | 52.4            | 3                | S              | 172                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/6/2022 4:30  | 52.1            | 4                | S              | 185                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/6/2022 5:00  | 52.3            | 6                | S              | 175                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/6/2022 5:30  | 52.4            | 4                | ENE            | 57                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/6/2022 6:00  | 52.5            | 3                | SW             | 215                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/6/2022 6:30  | 52.7            | 5                | S              | 174                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/6/2022 7:00  | 52.8            | 12               | S              | 187                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/6/2022 7:30  | 53              | 7                | SSW            | 208                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/6/2022 8:00  | 52.9            | 7                | SSE            | 168                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/6/2022 8:30  | 52.6            | 11               | SSE            | 163                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/6/2022 9:00  | 52.5            | 11               | SSE            | 167                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/6/2022 9:30  | 53.1            | 10               | SW             | 215                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/6/2022 10:00 | 53.7            | 10               | SSW            | 196                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/6/2022 10:30 | 53.8            | 7                | SW             | 217                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/6/2022 11:00 | 53.9            | 8                | SSE            | 157                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/6/2022 11:30 | 52.5            | 8                | SW             | 215                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/6/2022 12:00 | 52.5            | 8                | S              | 172                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/6/2022 12:30 | 52.6            | 8                | SSW            | 197                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/6/2022 13:00 | 52.4            | 8                | SSW            | 209                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/6/2022 13:30 | 52.7            | 9                | SSE            | 148                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/6/2022 14:00 | 53.1            | 11               | SSE            | 163                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/6/2022 14:30 | 53.4            | 4                | S              | 188                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/6/2022 15:00 | 53.4            | 8                | SW             | 235                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/6/2022 15:30 | 53.6            | 13               | S              | 186                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/6/2022 16:00 | 53.5            | 11               | SSW            | 195                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/6/2022 16:30 | 53.1            | 14               | SE             | 146                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/6/2022 17:00 | 52.6            | 5                | SSW            | 196                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/6/2022 17:30 | 52.2            | 7                | SSW            | 200                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/6/2022 18:00 | 51.9            | 2                | SSW            | 196                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/6/2022 18:30 | 51.9            | 2                | SSW            | 193                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/6/2022 19:00 | 51.6            | 3                | S              | 184                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/6/2022 19:30 | 51.5            | 4                | SW             | 225                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |

## Coffin Butte Landfill On-site Meteorological Data for Recent Odor Complaints (2022 to 2024)

| Time Stamp     | Temperature (F) | Wind Speed (mph) | Wind Direction | Wind Direction (deg) | Odor Event ID | Odor Event Date        | Odor Event Time | Odor Event Day of Week |
|----------------|-----------------|------------------|----------------|----------------------|---------------|------------------------|-----------------|------------------------|
| 1/6/2022 20:00 | 51.5            | 4                | SSW            | 212                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/6/2022 20:30 | 51.5            | 6                | SSW            | 193                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/6/2022 21:00 | 51.1            | 12               | WSW            | 239                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/6/2022 21:30 | 50.9            | 7                | SSW            | 170                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/6/2022 22:00 | 50              | 1                | S              | 181                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/6/2022 22:30 | 49.7            | 9                | SSE            | 167                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/6/2022 23:00 | 49.2            | 4                | S              | 177                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/6/2022 23:30 | 48.8            | 5                | SE             | 133                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/7/2022 0:00  | 48.1            | 6                | SW             | 220                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/7/2022 0:30  | 47.8            | 12               | S              | 175                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/7/2022 1:00  | 47.8            | 7                | SW             | 215                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/7/2022 1:30  | 47.8            | 10               | S              | 170                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/7/2022 2:00  | 48              | 5                | SW             | 217                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/7/2022 2:30  | 48.2            | 8                | SSE            | 155                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/7/2022 3:00  | 48.4            | 9                | S              | 178                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/7/2022 3:30  | 48.5            | 10               | S              | 172                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/7/2022 4:00  | 48.4            | 3                | S              | 178                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/7/2022 4:30  | 48.5            | 8                | SSE            | 160                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/7/2022 5:00  | 48.4            | 8                | S              | 190                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/7/2022 5:30  | 48.5            | 10               | S              | 177                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/7/2022 6:00  | 49.4            | 14               | S              | 191                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/7/2022 6:30  | 48.1            | 16               | SW             | 222                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/7/2022 7:00  | 46.9            | 16               | S              | 186                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/7/2022 7:30  | 45.3            | 6                | SW             | 222                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/7/2022 8:00  | 44              | 10               | S              | 179                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/7/2022 8:30  | 43.2            | 13               | SE             | 142                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/7/2022 9:00  | 42.4            | 16               | SSW            | 200                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/7/2022 9:30  | 42.1            | 3                | SSW            | 205                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/7/2022 10:00 | 41.7            | 9                | SW             | 229                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/7/2022 10:30 | 41.7            | 2                | SSW            | 195                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/7/2022 11:00 | 42.2            | 2                | S              | 187                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/7/2022 11:30 | 42              | 8                | S              | 189                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/7/2022 12:00 | 42.7            | 4                | S              | 190                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/7/2022 12:30 | 43.4            | 6                | SSW            | 205                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/7/2022 13:00 | 43.2            | 8                | WSW            | 240                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/7/2022 13:30 | 42.6            | 9                | SSW            | 198                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/7/2022 14:00 | 44.4            | 6                | S              | 190                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/7/2022 14:30 | 43.8            | 9                | WSW            | 246                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/7/2022 15:00 | 44.2            | 12               | SW             | 230                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/7/2022 15:30 | 42.9            | 9                | SW             | 224                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/7/2022 16:00 | 42.6            | 3                | SSW            | 205                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/7/2022 16:30 | 41.6            | 8                | S              | 178                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/7/2022 17:00 | 40.7            | 5                | SSE            | 157                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/7/2022 17:30 | 39.7            | 6                | SSW            | 200                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/7/2022 18:00 | 39              | 2                | SSW            | 197                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/7/2022 18:30 | 38.8            | 1                | SSW            | 193                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/7/2022 19:00 | 39              | 2                | SSE            | 169                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/7/2022 19:30 | 39              | 0                | SSE            | 169                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/7/2022 20:00 | 38.6            | 0                | SSE            | 169                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/7/2022 20:30 | 38.9            | 0                | SSE            | 169                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/7/2022 21:00 | 39.1            | 3                | S              | 186                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/7/2022 21:30 | 39              | 1                | S              | 186                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/7/2022 22:00 | 38.7            | 1                | S              | 186                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/7/2022 22:30 | 38.6            | 0                | S              | 186                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/7/2022 23:00 | 38.5            | 2                | S              | 186                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/7/2022 23:30 | 38.7            | 3                | SSE            | 155                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/8/2022 0:00  | 38.4            | 2                | ESE            | 108                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/8/2022 0:30  | 38.8            | 3                | NNW            | 341                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/8/2022 1:00  | 39.1            | 0                | WNW            | 297                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/8/2022 1:30  | 39.4            | 3                | SSW            | 192                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/8/2022 2:00  | 39.4            | 0                | SSW            | 192                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/8/2022 2:30  | 39.1            | 0                | SSW            | 192                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/8/2022 3:00  | 39.4            | 3                | SSW            | 193                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/8/2022 3:30  | 39.5            | 3                | SSW            | 193                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/8/2022 4:00  | 39.6            | 4                | S              | 181                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/8/2022 4:30  | 39.6            | 3                | S              | 182                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/8/2022 5:00  | 39.6            | 5                | S              | 191                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/8/2022 5:30  | 39.4            | 0                | S              | 185                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/8/2022 6:00  | 39.2            | 1                | S              | 185                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/8/2022 6:30  | 38.9            | 1                | S              | 185                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |

## Coffin Butte Landfill On-site Meteorological Data for Recent Odor Complaints (2022 to 2024)

| Time Stamp     | Temperature (F) | Wind Speed (mph) | Wind Direction | Wind Direction (deg) | Odor Event ID | Odor Event Date        | Odor Event Time | Odor Event Day of Week |
|----------------|-----------------|------------------|----------------|----------------------|---------------|------------------------|-----------------|------------------------|
| 1/8/2022 7:00  | 38.9            | 2                | SSE            | 159                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/8/2022 7:30  | 38.8            | 4                | SSW            | 211                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/8/2022 8:00  | 39.1            | 5                | SSE            | 158                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/8/2022 8:30  | 39.7            | 2                | SSE            | 161                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/8/2022 9:00  | 40.3            | 2                | SSE            | 161                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/8/2022 9:30  | 41.1            | 1                | S              | 175                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/8/2022 10:00 | 41.7            | 4                | SSW            | 211                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/8/2022 10:30 | 42.8            | 2                | S              | 185                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/8/2022 11:00 | 44.8            | 6                | SSE            | 169                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/8/2022 11:30 | 45.5            | 3                | SW             | 221                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/8/2022 12:00 | 46.8            | 0                | SW             | 221                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/8/2022 12:30 | 47.2            | 1                | S              | 171                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/8/2022 13:00 | 47.9            | 2                | SSE            | 164                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/8/2022 13:30 | 48.4            | 0                | SSE            | 148                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/8/2022 14:00 | 48.7            | 1                | NNE            | 13                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/8/2022 14:30 | 49.3            | 4                | S              | 189                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/8/2022 15:00 | 49.2            | 2                | SE             | 136                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/8/2022 15:30 | 47.2            | 2                | SE             | 136                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/8/2022 16:00 | 45.2            | 2                | SE             | 136                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/8/2022 16:30 | 43.1            | 0                | SE             | 136                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/8/2022 17:00 | 41.1            | 0                | SE             | 136                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/8/2022 17:30 | 39.7            | 1                | SE             | 136                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/8/2022 18:00 | 38.8            | 1                | SE             | 136                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/8/2022 18:30 | 37.7            | 0                | SE             | 136                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/8/2022 19:00 | 37              | 2                | SE             | 136                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/8/2022 19:30 | 35.5            | 2                | SE             | 136                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/8/2022 20:00 | 35.4            | 0                | SE             | 136                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/8/2022 20:30 | 35.6            | 1                | SE             | 136                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/8/2022 21:00 | 35              | 2                | SE             | 136                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/8/2022 21:30 | 34.2            | 2                | SE             | 136                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/8/2022 22:00 | 32.9            | 2                | SE             | 136                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/8/2022 22:30 | 33.5            | 2                | SE             | 136                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/8/2022 23:00 | 33.8            | 0                | SE             | 136                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/8/2022 23:30 | 33.1            | 2                | SE             | 136                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/9/2022 0:00  | 33              | 2                | SE             | 136                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/9/2022 0:30  | 33.8            | 0                | SE             | 136                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/9/2022 1:00  | 32.4            | 0                | SE             | 136                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/9/2022 1:30  | 31.8            | 0                | SE             | 136                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/9/2022 2:00  | 32.1            | 1                | SE             | 137                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/9/2022 2:30  | 32.3            | 0                | SSE            | 158                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/9/2022 3:00  | 32.2            | 2                | SSE            | 158                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/9/2022 3:30  | 31.1            | 1                | SSE            | 158                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/9/2022 4:00  | 31              | 1                | SSE            | 158                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/9/2022 4:30  | 30.5            | 0                | SSE            | 158                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/9/2022 5:00  | 31.1            | 0                | SSE            | 161                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/9/2022 5:30  | 30.7            | 0                | SSE            | 161                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/9/2022 6:00  | 30.3            | 0                | SSE            | 161                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/9/2022 6:30  | 29.7            | 0                | SSE            | 161                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/9/2022 7:00  | 30.8            | 0                | SSE            | 161                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/9/2022 7:30  | 30.1            | 0                | SSE            | 161                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/9/2022 8:00  | 30.3            | 0                | SSE            | 161                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/9/2022 8:30  | 30              | 0                | SSE            | 161                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/9/2022 9:00  | 29.6            | 0                | SSE            | 161                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/9/2022 9:30  | 30.1            | 4                | NNE            | 30                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/9/2022 10:00 | 30.5            | 1                | NNE            | 30                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/9/2022 10:30 | 32.4            | 3                | NNE            | 30                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/9/2022 11:00 | 34.7            | 3                | NE             | 36                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/9/2022 11:30 | 35.4            | 4                | NNE            | 33                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/9/2022 12:00 | 36.8            | 2                | NNE            | 33                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/9/2022 12:30 | 39.3            | 1                | NNE            | 33                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/9/2022 13:00 | 40.9            | 0                | NNE            | 33                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/9/2022 13:30 | 42.1            | 0                | NNE            | 33                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/9/2022 14:00 | 43.7            | 1                | NE             | 35                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/9/2022 14:30 | 44.7            | 2                | NE             | 35                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/9/2022 15:00 | 44.1            | 1                | NE             | 35                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/9/2022 15:30 | 44.5            | 0                | NE             | 35                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/9/2022 16:00 | 44              | 1                | NE             | 35                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/9/2022 16:30 | 42              | 1                | NE             | 35                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/9/2022 17:00 | 39.2            | 0                | NE             | 35                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/9/2022 17:30 | 38.3            | 1                | SE             | 130                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |

## Coffin Butte Landfill On-site Meteorological Data for Recent Odor Complaints (2022 to 2024)

| Time Stamp      | Temperature (F) | Wind Speed (mph) | Wind Direction | Wind Direction (deg) | Odor Event ID | Odor Event Date        | Odor Event Time | Odor Event Day of Week |
|-----------------|-----------------|------------------|----------------|----------------------|---------------|------------------------|-----------------|------------------------|
| 1/9/2022 18:00  | 36.6            | 2                | SE             | 130                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/9/2022 18:30  | 36.1            | 1                | SE             | 130                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/9/2022 19:00  | 35.4            | 3                | SE             | 130                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/9/2022 19:30  | 34.7            | 1                | SE             | 130                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/9/2022 20:00  | 34.8            | 0                | SE             | 130                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/9/2022 20:30  | 34.5            | 0                | SE             | 130                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/9/2022 21:00  | 33.8            | 0                | SE             | 127                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/9/2022 21:30  | 32.3            | 0                | SE             | 126                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/9/2022 22:00  | 31.6            | 0                | SE             | 126                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/9/2022 22:30  | 31              | 3                | ESE            | 102                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/9/2022 23:00  | 30.6            | 2                | NNE            | 34                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/9/2022 23:30  | 30.3            | 4                | NNE            | 34                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/10/2022 0:00  | 30.5            | 3                | NNE            | 33                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/10/2022 0:30  | 30.8            | 4                | NE             | 36                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/10/2022 1:00  | 30.7            | 2                | NNE            | 34                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/10/2022 1:30  | 30.8            | 2                | NNE            | 34                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/10/2022 2:00  | 30.7            | 0                | NNE            | 34                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/10/2022 2:30  | 30              | 0                | NNE            | 34                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/10/2022 3:00  | 29.9            | 0                | NE             | 36                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/10/2022 3:30  | 29.9            | 0                | NE             | 36                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/10/2022 4:00  | 30.1            | 0                | NE             | 36                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/10/2022 4:30  | 30.7            | 1                | NE             | 36                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/10/2022 5:00  | 31.1            | 2                | NE             | 35                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/10/2022 5:30  | 31.3            | 0                | NE             | 35                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/10/2022 6:00  | 31.8            | 1                | NNE            | 30                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/10/2022 6:30  | 31.8            | 2                | NNE            | 30                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/10/2022 7:00  | 32.6            | 1                | NE             | 42                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/10/2022 7:30  | 33.5            | 3                | NE             | 51                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/10/2022 8:00  | 33.4            | 2                | SW             | 215                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/10/2022 8:30  | 33.2            | 3                | SW             | 215                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/10/2022 9:00  | 33.5            | 0                | SW             | 215                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/10/2022 9:30  | 34.4            | 2                | SW             | 215                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/10/2022 10:00 | 35.2            | 1                | SW             | 215                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/10/2022 10:30 | 36.7            | 2                | SW             | 215                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/10/2022 11:00 | 36.9            | 0                | SW             | 215                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/10/2022 11:30 | 38.4            | 2                | SW             | 215                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/10/2022 12:00 | 38.7            | 0                | SW             | 215                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/10/2022 12:30 | 40.1            | 1                | SW             | 215                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/10/2022 13:00 | 40.6            | 1                | SW             | 215                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/10/2022 13:30 | 42.6            | 0                | SW             | 215                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/10/2022 14:00 | 44              | 2                | SW             | 221                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/10/2022 14:30 | 44.1            | 2                | WSW            | 246                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/10/2022 15:00 | 43.8            | 1                | WSW            | 246                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/10/2022 15:30 | 44.2            | 0                | WSW            | 246                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/10/2022 16:00 | 44.1            | 0                | WSW            | 246                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/10/2022 16:30 | 42.6            | 0                | WSW            | 246                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/10/2022 17:00 | 41.8            | 1                | WSW            | 246                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/10/2022 17:30 | 39.5            | 1                | WSW            | 246                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/10/2022 18:00 | 40              | 2                | WSW            | 246                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/10/2022 18:30 | 38.9            | 0                | WSW            | 246                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/10/2022 19:00 | 38.5            | 0                | WSW            | 246                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/10/2022 19:30 | 37.1            | 0                | WSW            | 246                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/10/2022 20:00 | 38.1            | 0                | WSW            | 246                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/10/2022 20:30 | 38.9            | 0                | WSW            | 246                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/10/2022 21:00 | 39.8            | 0                | WSW            | 246                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/10/2022 21:30 | 40              | 0                | WSW            | 246                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/10/2022 22:00 | 40.6            | 2                | NNE            | 23                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/10/2022 22:30 | 41              | 2                | NNE            | 26                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/10/2022 23:00 | 41.2            | 1                | NNE            | 26                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/10/2022 23:30 | 41.1            | 0                | NNE            | 29                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/11/2022 0:00  | 41              | 3                | NNE            | 26                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/11/2022 0:30  | 41.2            | 0                | NNE            | 26                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/11/2022 1:00  | 40.9            | 0                | NNE            | 27                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/11/2022 1:30  | 41.7            | 2                | NNE            | 32                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/11/2022 2:00  | 43.8            | 0                | S              | 185                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/11/2022 2:30  | 45.3            | 2                | SSW            | 210                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/11/2022 3:00  | 43.2            | 9                | NNE            | 28                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/11/2022 3:30  | 42.7            | 3                | NNE            | 26                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/11/2022 4:00  | 44.3            | 6                | NE             | 40                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/11/2022 4:30  | 44.8            | 5                | NNE            | 30                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |

## Coffin Butte Landfill On-site Meteorological Data for Recent Odor Complaints (2022 to 2024)

| Time Stamp      | Temperature (F) | Wind Speed (mph) | Wind Direction | Wind Direction (deg) | Odor Event ID | Odor Event Date        | Odor Event Time | Odor Event Day of Week |
|-----------------|-----------------|------------------|----------------|----------------------|---------------|------------------------|-----------------|------------------------|
| 1/11/2022 5:00  | 45.6            | 1                | S              | 176                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/11/2022 5:30  | 44.6            | 3                | NNE            | 22                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/11/2022 6:00  | 44              | 2                | NNE            | 22                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/11/2022 6:30  | 43.9            | 3                | NNE            | 22                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/11/2022 7:00  | 43.5            | 0                | NNE            | 22                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/11/2022 7:30  | 44.3            | 3                | NE             | 47                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/11/2022 8:00  | 43.6            | 0                | NE             | 42                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/11/2022 8:30  | 44.9            | 1                | NNE            | 30                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/11/2022 9:00  | 45.8            | 2                | ESE            | 103                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/11/2022 9:30  | 46.2            | 1                | E              | 99                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/11/2022 10:00 | 46.4            | 4                | NNE            | 32                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/11/2022 10:30 | 46.9            | 4                | NE             | 35                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/11/2022 11:00 | 48.5            | 3                | NNE            | 26                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/11/2022 11:30 | 50.6            | 4                | NNE            | 17                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/11/2022 12:00 | 52.9            | 1                | SSE            | 155                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/11/2022 12:30 | 53              | 2                | S              | 182                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/11/2022 13:00 | 52.8            | 1                | S              | 180                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/11/2022 13:30 | 53              | 2                | SSE            | 164                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/11/2022 14:00 | 53.1            | 3                | SE             | 134                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/11/2022 14:30 | 55.6            | 3                | SSW            | 198                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/11/2022 15:00 | 55.6            | 6                | S              | 172                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/11/2022 15:30 | 55.7            | 5                | S              | 189                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/11/2022 16:00 | 55.7            | 5                | SSE            | 165                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/11/2022 16:30 | 53.9            | 3                | NNE            | 25                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/11/2022 17:00 | 52.2            | 2                | NNE            | 26                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/11/2022 17:30 | 54.2            | 1                | ESE            | 117                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/11/2022 18:00 | 52.4            | 3                | NNE            | 25                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/11/2022 18:30 | 53.6            | 4                | S              | 176                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/11/2022 19:00 | 54.3            | 2                | SE             | 125                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/11/2022 19:30 | 53.4            | 6                | SSE            | 160                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/11/2022 20:00 | 53.8            | 4                | S              | 182                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/11/2022 20:30 | 54.6            | 5                | SSE            | 161                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/11/2022 21:00 | 54.1            | 11               | S              | 178                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/11/2022 21:30 | 54.2            | 4                | SSE            | 153                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/11/2022 22:00 | 53.5            | 0                | N              | 355                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/11/2022 22:30 | 53.7            | 1                | ESE            | 104                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/11/2022 23:00 | 55.1            | 2                | ESE            | 114                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/11/2022 23:30 | 54.5            | 3                | W              | 263                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/12/2022 0:00  | 53.2            | 9                | SSE            | 157                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/12/2022 0:30  | 55.1            | 6                | WSW            | 240                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/12/2022 1:00  | 53              | 3                | NE             | 35                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/12/2022 1:30  | 51              | 4                | NNE            | 30                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/12/2022 2:00  | 50.3            | 3                | NE             | 37                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/12/2022 2:30  | 49.8            | 5                | NE             | 37                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/12/2022 3:00  | 50.1            | 4                | NE             | 37                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/12/2022 3:30  | 50.3            | 4                | NE             | 37                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/12/2022 4:00  | 50.3            | 1                | NE             | 37                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/12/2022 4:30  | 52.3            | 0                | NE             | 51                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/12/2022 5:00  | 52.7            | 0                | S              | 183                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/12/2022 5:30  | 51              | 1                | NE             | 38                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/12/2022 6:00  | 51              | 2                | ENE            | 66                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/12/2022 6:30  | 49.3            | 5                | NNE            | 30                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/12/2022 7:00  | 46.1            | 4                | NNE            | 30                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/12/2022 7:30  | 45.5            | 4                | NNE            | 31                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/12/2022 8:00  | 44.6            | 3                | NE             | 36                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/12/2022 8:30  | 44.8            | 4                | NE             | 36                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/12/2022 9:00  | 45.6            | 2                | NE             | 40                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/12/2022 9:30  | 48.5            | 2                | SSE            | 168                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/12/2022 10:00 | 51.3            | 2                | SE             | 128                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/12/2022 10:30 | 54.8            | 4                | SSW            | 194                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/12/2022 11:00 | 56.1            | 5                | WSW            | 254                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/12/2022 11:30 | 57              | 5                | SSE            | 158                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/12/2022 12:00 | 57.3            | 1                | SE             | 141                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/12/2022 12:30 | 58              | 0                | ESE            | 118                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/12/2022 13:00 | 59              | 0                | SSE            | 155                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/12/2022 13:30 | 58.3            | 2                | SE             | 133                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/12/2022 14:00 | 57.8            | 3                | NE             | 48                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/12/2022 14:30 | 56.6            | 2                | NNE            | 17                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/12/2022 15:00 | 55              | 7                | S              | 182                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/12/2022 15:30 | 54.6            | 6                | SSW            | 198                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |

## Coffin Butte Landfill On-site Meteorological Data for Recent Odor Complaints (2022 to 2024)

| Time Stamp      | Temperature (F) | Wind Speed (mph) | Wind Direction | Wind Direction (deg) | Odor Event ID | Odor Event Date        | Odor Event Time | Odor Event Day of Week |
|-----------------|-----------------|------------------|----------------|----------------------|---------------|------------------------|-----------------|------------------------|
| 1/12/2022 16:00 | 54.8            | 1                | NE             | 52                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/12/2022 16:30 | 52.8            | 3                | NE             | 45                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/12/2022 17:00 | 49.9            | 2                | NE             | 42                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/12/2022 17:30 | 46.8            | 0                | NE             | 42                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/12/2022 18:00 | 45.9            | 0                | NE             | 44                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/12/2022 18:30 | 45.3            | 0                | NE             | 44                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/12/2022 19:00 | 45.3            | 0                | SE             | 142                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/12/2022 19:30 | 46.3            | 0                | SE             | 142                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/12/2022 20:00 | 45.6            | 0                | SE             | 141                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/12/2022 20:30 | 43.6            | 1                | NNE            | 33                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/12/2022 21:00 | 42.3            | 0                | NNE            | 23                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/12/2022 21:30 | 42              | 3                | NNE            | 23                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/12/2022 22:00 | 46.2            | 0                | SW             | 217                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/12/2022 22:30 | 46.6            | 4                | W              | 273                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/12/2022 23:00 | 46.7            | 4                | WNW            | 295                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/12/2022 23:30 | 45.9            | 3                | NNE            | 33                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/13/2022 0:00  | 45.2            | 1                | NNE            | 30                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/13/2022 0:30  | 50.7            | 4                | SSE            | 168                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/13/2022 1:00  | 53.6            | 5                | SSW            | 203                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/13/2022 1:30  | 52.1            | 8                | SSE            | 151                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/13/2022 2:00  | 49.6            | 4                | SSW            | 202                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/13/2022 2:30  | 47.9            | 1                | N              | 360                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/13/2022 3:00  | 47.8            | 4                | SW             | 228                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/13/2022 3:30  | 48.7            | 2                | SSE            | 148                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/13/2022 4:00  | 48.1            | 4                | ENE            | 68                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/13/2022 4:30  | 49.5            | 9                | SSE            | 169                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/13/2022 5:00  | 50              | 9                | S              | 186                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/13/2022 5:30  | 50.4            | 3                | SSW            | 198                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/13/2022 6:00  | 50.8            | 8                | SSE            | 167                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/13/2022 6:30  | 50.4            | 2                | SE             | 132                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/13/2022 7:00  | 49.4            | 2                | S              | 179                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/13/2022 7:30  | 48.5            | 3                | SE             | 126                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/13/2022 8:00  | 48.3            | 5                | S              | 173                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/13/2022 8:30  | 48.2            | 4                | S              | 186                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/13/2022 9:00  | 48              | 1                | E              | 90                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/13/2022 9:30  | 48.1            | 4                | S              | 170                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/13/2022 10:00 | 48.2            | 6                | SSE            | 161                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/13/2022 10:30 | 48.1            | 4                | SW             | 231                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/13/2022 11:00 | 48.4            | 6                | S              | 171                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/13/2022 11:30 | 48.3            | 8                | S              | 173                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/13/2022 12:00 | 48.4            | 3                | WSW            | 244                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/13/2022 12:30 | 48.7            | 2                | S              | 173                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/13/2022 13:00 | 48.9            | 5                | NNE            | 18                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/13/2022 13:30 | 49.2            | 1                | WNW            | 283                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/13/2022 14:00 | 49.4            | 2                | SSW            | 210                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/13/2022 14:30 | 49.6            | 2                | S              | 184                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/13/2022 15:00 | 49.8            | 1                | SW             | 216                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/13/2022 15:30 | 49.9            | 0                | SW             | 216                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/13/2022 16:00 | 50.1            | 1                | SSW            | 206                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/13/2022 16:30 | 50              | 0                | SSW            | 206                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/13/2022 17:00 | 49.8            | 1                | SSW            | 206                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/13/2022 17:30 | 49.6            | 0                | SSW            | 195                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/13/2022 18:00 | 49.4            | 0                | SSW            | 194                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/13/2022 18:30 | 49.1            | 0                | SSW            | 194                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/13/2022 19:00 | 49              | 1                | SSW            | 194                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/13/2022 19:30 | 48.9            | 1                | SSW            | 194                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/13/2022 20:00 | 48.8            | 0                | SSW            | 194                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/13/2022 20:30 | 47.5            | 2                | SSW            | 194                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/13/2022 21:00 | 47              | 1                | SSW            | 194                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/13/2022 21:30 | 47.5            | 0                | SSW            | 194                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/13/2022 22:00 | 47.3            | 0                | SSW            | 194                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/13/2022 22:30 | 47.1            | 0                | SSW            | 192                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/13/2022 23:00 | 46.3            | 0                | SSW            | 192                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/13/2022 23:30 | 45.1            | 0                | SSW            | 192                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/14/2022 0:00  | 43.9            | 2                | SSW            | 192                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/14/2022 0:30  | 42.5            | 2                | SSW            | 192                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/14/2022 1:00  | 42              | 1                | SSW            | 192                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/14/2022 1:30  | 42.8            | 2                | SSW            | 192                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/14/2022 2:00  | 42.8            | 0                | SSW            | 192                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/14/2022 2:30  | 42.7            | 0                | SSW            | 192                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |

## Coffin Butte Landfill On-site Meteorological Data for Recent Odor Complaints (2022 to 2024)

| Time Stamp      | Temperature (F) | Wind Speed (mph) | Wind Direction | Wind Direction (deg) | Odor Event ID | Odor Event Date        | Odor Event Time | Odor Event Day of Week |
|-----------------|-----------------|------------------|----------------|----------------------|---------------|------------------------|-----------------|------------------------|
| 1/14/2022 3:00  | 42.2            | 2                | SSW            | 192                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/14/2022 3:30  | 41.6            | 2                | SSW            | 192                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/14/2022 4:00  | 41.8            | 0                | SSW            | 192                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/14/2022 4:30  | 41.7            | 1                | SSW            | 192                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/14/2022 5:00  | 42.2            | 2                | SSW            | 192                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/14/2022 5:30  | 42.4            | 0                | SSW            | 192                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/14/2022 6:00  | 42.8            | 2                | SSW            | 192                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/14/2022 6:30  | 42.8            | 2                | NW             | 315                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/14/2022 7:00  | 42.7            | 1                | NW             | 311                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/14/2022 7:30  | 43              | 0                | NW             | 311                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/14/2022 8:00  | 43.6            | 0                | NW             | 309                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/14/2022 8:30  | 44.2            | 1                | NW             | 309                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/14/2022 9:00  | 45.6            | 1                | NW             | 309                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/14/2022 9:30  | 45.7            | 1                | WNW            | 300                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/14/2022 10:00 | 46.3            | 2                | WNW            | 294                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/14/2022 10:30 | 46.8            | 0                | WSW            | 253                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/14/2022 11:00 | 47.2            | 0                | WSW            | 253                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/14/2022 11:30 | 47.4            | 1                | NNE            | 19                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/14/2022 12:00 | 47.4            | 2                | NE             | 39                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/14/2022 12:30 | 47.6            | 0                | NNE            | 18                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/14/2022 13:00 | 47.6            | 0                | NNE            | 20                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/14/2022 13:30 | 48.2            | 0                | NNE            | 24                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/14/2022 14:00 | 48.4            | 3                | WSW            | 257                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/14/2022 14:30 | 48.8            | 0                | NNW            | 331                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/14/2022 15:00 | 49.3            | 1                | W              | 267                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/14/2022 15:30 | 48.9            | 0                | WSW            | 259                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/14/2022 16:00 | 49.6            | 3                | SW             | 233                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/14/2022 16:30 | 48.8            | 0                | SW             | 232                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/14/2022 17:00 | 46.7            | 0                | SW             | 232                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/14/2022 17:30 | 46.4            | 0                | SW             | 232                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/14/2022 18:00 | 43.9            | 1                | SW             | 232                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/14/2022 18:30 | 42              | 0                | SW             | 232                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/14/2022 19:00 | 41.8            | 0                | SW             | 232                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/14/2022 19:30 | 40.8            | 0                | SW             | 232                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/14/2022 20:00 | 40.1            | 0                | SW             | 232                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/14/2022 20:30 | 39.5            | 0                | SW             | 232                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/14/2022 21:00 | 38.7            | 0                | SW             | 232                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/14/2022 21:30 | 39              | 0                | SW             | 232                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/14/2022 22:00 | 38.5            | 0                | SW             | 232                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/14/2022 22:30 | 36.6            | 0                | SW             | 232                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/14/2022 23:00 | 37              | 0                | SW             | 232                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/14/2022 23:30 | 36.4            | 0                | SW             | 232                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/15/2022 0:00  | 35.4            | 0                | SW             | 232                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/15/2022 0:30  | 35.1            | 0                | SW             | 232                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/15/2022 1:00  | 35              | 2                | SW             | 232                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/15/2022 1:30  | 35.5            | 0                | SW             | 232                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/15/2022 2:00  | 34.9            | 0                | SW             | 232                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/15/2022 2:30  | 34.5            | 0                | SW             | 232                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/15/2022 3:00  | 34.9            | 1                | SW             | 232                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/15/2022 3:30  | 35.4            | 0                | SW             | 232                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/15/2022 4:00  | 35.5            | 1                | SW             | 232                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/15/2022 4:30  | 35.4            | 0                | SW             | 232                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/15/2022 5:00  | 35.9            | 0                | SW             | 232                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/15/2022 5:30  | 36.4            | 0                | SW             | 232                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/15/2022 6:00  | 36.6            | 0                | SW             | 232                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/15/2022 6:30  | 36.6            | 0                | SW             | 232                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/15/2022 7:00  | 36.4            | 0                | SW             | 232                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/15/2022 7:30  | 36.3            | 0                | SW             | 232                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/15/2022 8:00  | 35.8            | 0                | SW             | 232                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/15/2022 8:30  | 36.4            | 3                | SW             | 232                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/15/2022 9:00  | 36.9            | 2                | SW             | 232                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/15/2022 9:30  | 37.2            | 3                | SW             | 232                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/15/2022 10:00 | 37.5            | 1                | SW             | 232                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/15/2022 10:30 | 38.4            | 0                | SW             | 232                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/15/2022 11:00 | 39              | 3                | SW             | 232                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/15/2022 11:30 | 39.6            | 3                | N              | 5                    | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/15/2022 12:00 | 39.6            | 2                | NNE            | 21                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/15/2022 12:30 | 39.3            | 3                | NNE            | 28                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/15/2022 13:00 | 39.2            | 1                | NNE            | 32                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/15/2022 13:30 | 39.3            | 1                | WSW            | 252                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |

## Coffin Butte Landfill On-site Meteorological Data for Recent Odor Complaints (2022 to 2024)

| Time Stamp      | Temperature (F) | Wind Speed (mph) | Wind Direction | Wind Direction (deg) | Odor Event ID | Odor Event Date        | Odor Event Time | Odor Event Day of Week |
|-----------------|-----------------|------------------|----------------|----------------------|---------------|------------------------|-----------------|------------------------|
| 1/15/2022 14:00 | 39.4            | 4                | WSW            | 251                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/15/2022 14:30 | 39.7            | 0                | WSW            | 257                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/15/2022 15:00 | 39.9            | 4                | WSW            | 250                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/15/2022 15:30 | 41              | 2                | NNW            | 330                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/15/2022 16:00 | 40.4            | 1                | NNE            | 25                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/15/2022 16:30 | 39.4            | 3                | NNE            | 25                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/15/2022 17:00 | 38.7            | 4                | NNE            | 25                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/15/2022 17:30 | 38.2            | 3                | NNE            | 25                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/15/2022 18:00 | 38.1            | 0                | NNE            | 25                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/15/2022 18:30 | 38.1            | 2                | W              | 273                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/15/2022 19:00 | 38              | 3                | WSW            | 256                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/15/2022 19:30 | 38              | 2                | WSW            | 256                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/15/2022 20:00 | 38              | 2                | WSW            | 254                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/15/2022 20:30 | 37.6            | 1                | WSW            | 257                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/15/2022 21:00 | 37.8            | 1                | WSW            | 257                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/15/2022 21:30 | 37.5            | 1                | WSW            | 257                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/15/2022 22:00 | 37.4            | 2                | WSW            | 257                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/15/2022 22:30 | 37.3            | 0                | WSW            | 257                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/15/2022 23:00 | 36.9            | 0                | WSW            | 257                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/15/2022 23:30 | 36.9            | 0                | WSW            | 257                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/16/2022 0:00  | 36.8            | 2                | WSW            | 257                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/16/2022 0:30  | 36.4            | 1                | WSW            | 257                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/16/2022 1:00  | 36.2            | 0                | WSW            | 257                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/16/2022 1:30  | 36.3            | 2                | WSW            | 257                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/16/2022 2:00  | 36.3            | 0                | WSW            | 257                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/16/2022 2:30  | 36.3            | 0                | WSW            | 257                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/16/2022 3:00  | 36              | 1                | WSW            | 257                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/16/2022 3:30  | 35.8            | 2                | WSW            | 257                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/16/2022 4:00  | 35.8            | 1                | WSW            | 257                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/16/2022 4:30  | 35.8            | 2                | WSW            | 257                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/16/2022 5:00  | 35.5            | 1                | WSW            | 259                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/16/2022 5:30  | 35.4            | 3                | WSW            | 259                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/16/2022 6:00  | 35.4            | 0                | WSW            | 259                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/16/2022 6:30  | 35.3            | 1                | WSW            | 258                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/16/2022 7:00  | 35.2            | 0                | WSW            | 254                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/16/2022 7:30  | 35.2            | 1                | WSW            | 254                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/16/2022 8:00  | 35.2            | 0                | WSW            | 254                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/16/2022 8:30  | 35.2            | 1                | WSW            | 254                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/16/2022 9:00  | 35.3            | 1                | WSW            | 254                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/16/2022 9:30  | 35.5            | 2                | WSW            | 254                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/16/2022 10:00 | 35.8            | 2                | WSW            | 254                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/16/2022 10:30 | 36.1            | 3                | W              | 263                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/16/2022 11:00 | 36              | 0                | NNE            | 29                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/16/2022 11:30 | 36.2            | 2                | W              | 270                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/16/2022 12:00 | 36.4            | 2                | SW             | 227                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/16/2022 12:30 | 36.9            | 3                | SW             | 234                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/16/2022 13:00 | 37              | 2                | SW             | 234                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/16/2022 13:30 | 37.1            | 2                | NNE            | 33                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/16/2022 14:00 | 37.6            | 3                | W              | 265                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/16/2022 14:30 | 38              | 0                | WSW            | 250                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/16/2022 15:00 | 38.1            | 0                | NE             | 41                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/16/2022 15:30 | 38.2            | 2                | NW             | 312                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/16/2022 16:00 | 38.3            | 0                | NW             | 312                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/16/2022 16:30 | 37.7            | 0                | NW             | 312                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/16/2022 17:00 | 36.8            | 0                | NW             | 312                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/16/2022 17:30 | 36.2            | 0                | NW             | 312                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/16/2022 18:00 | 36.3            | 0                | NW             | 312                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/16/2022 18:30 | 36.5            | 2                | WNW            | 284                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/16/2022 19:00 | 36.3            | 0                | WNW            | 284                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/16/2022 19:30 | 36.3            | 1                | WNW            | 284                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/16/2022 20:00 | 36.2            | 0                | WNW            | 282                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/16/2022 20:30 | 35.9            | 0                | WNW            | 282                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/16/2022 21:00 | 36.1            | 0                | WNW            | 282                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/16/2022 21:30 | 36.5            | 0                | WNW            | 282                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/16/2022 22:00 | 36.3            | 0                | WNW            | 282                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/16/2022 22:30 | 36.7            | 0                | WNW            | 282                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/16/2022 23:00 | 36.9            | 0                | WNW            | 282                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/16/2022 23:30 | 35.9            | 1                | WNW            | 282                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/17/2022 0:00  | 36              | 0                | WNW            | 282                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/17/2022 0:30  | 36.1            | 0                | WNW            | 282                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |

## Coffin Butte Landfill On-site Meteorological Data for Recent Odor Complaints (2022 to 2024)

| Time Stamp      | Temperature (F) | Wind Speed (mph) | Wind Direction | Wind Direction (deg) | Odor Event ID | Odor Event Date        | Odor Event Time | Odor Event Day of Week |
|-----------------|-----------------|------------------|----------------|----------------------|---------------|------------------------|-----------------|------------------------|
| 1/17/2022 1:00  | 36.8            | 1                | W              | 273                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/17/2022 1:30  | 36.2            | 1                | SSE            | 149                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/17/2022 2:00  | 36.4            | 1                | SSE            | 149                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/17/2022 2:30  | 36.6            | 0                | SSE            | 149                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/17/2022 3:00  | 36.5            | 2                | SSE            | 150                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/17/2022 3:30  | 36.2            | 0                | SSE            | 150                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/17/2022 4:00  | 36.1            | 1                | SSE            | 150                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/17/2022 4:30  | 36.1            | 1                | SSE            | 150                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/17/2022 5:00  | 36.3            | 0                | SSE            | 150                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/17/2022 5:30  | 36.2            | 0                | SSE            | 150                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/17/2022 6:00  | 36.2            | 0                | SSE            | 150                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/17/2022 6:30  | 36.3            | 0                | SSE            | 150                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/17/2022 7:00  | 36.2            | 0                | SSE            | 150                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/17/2022 7:30  | 36.2            | 0                | SSE            | 150                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/17/2022 8:00  | 36              | 1                | SSE            | 154                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/17/2022 8:30  | 36.1            | 2                | SSE            | 155                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/17/2022 9:00  | 36.4            | 1                | SSE            | 155                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/17/2022 9:30  | 36.8            | 1                | SSE            | 155                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/17/2022 10:00 | 37.1            | 1                | SSE            | 155                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/17/2022 10:30 | 37.7            | 2                | SSE            | 160                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/17/2022 11:00 | 37.7            | 3                | NNE            | 22                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/17/2022 11:30 | 38.2            | 3                | SSE            | 150                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/17/2022 12:00 | 39.3            | 2                | SSE            | 160                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/17/2022 12:30 | 39.8            | 4                | SSE            | 159                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/17/2022 13:00 | 39.8            | 1                | SSE            | 157                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/17/2022 13:30 | 40.2            | 2                | SSE            | 157                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/17/2022 14:00 | 40.5            | 1                | SSE            | 157                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/17/2022 14:30 | 40.5            | 1                | NNW            | 348                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/17/2022 15:00 | 40.8            | 3                | SSE            | 167                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/17/2022 15:30 | 40.3            | 0                | SSE            | 160                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/17/2022 16:00 | 40.4            | 0                | SE             | 136                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/17/2022 16:30 | 40.2            | 1                | SE             | 136                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/17/2022 17:00 | 40              | 2                | SE             | 136                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/17/2022 17:30 | 39.8            | 0                | SE             | 136                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/17/2022 18:00 | 39.8            | 0                | SE             | 136                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/17/2022 18:30 | 39.6            | 2                | SE             | 136                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/17/2022 19:00 | 39.3            | 0                | SE             | 136                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/17/2022 19:30 | 39.2            | 0                | SE             | 136                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/17/2022 20:00 | 38.8            | 1                | SE             | 136                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/17/2022 20:30 | 38.5            | 0                | SE             | 136                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/17/2022 21:00 | 38.7            | 0                | SE             | 136                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/17/2022 21:30 | 38.3            | 0                | SE             | 136                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/17/2022 22:00 | 37              | 0                | SSE            | 163                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/17/2022 22:30 | 37.2            | 1                | SSE            | 163                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/17/2022 23:00 | 37.4            | 1                | SSE            | 163                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/17/2022 23:30 | 37.5            | 1                | SSE            | 163                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/18/2022 0:00  | 37.8            | 1                | SSE            | 163                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/18/2022 0:30  | 37.9            | 0                | SSE            | 163                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/18/2022 1:00  | 38              | 1                | SSE            | 163                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/18/2022 1:30  | 38.2            | 0                | SSE            | 163                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/18/2022 2:00  | 38.5            | 0                | SSE            | 163                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/18/2022 2:30  | 38.8            | 4                | SSE            | 163                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/18/2022 3:00  | 39.3            | 3                | S              | 188                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/18/2022 3:30  | 39.3            | 1                | S              | 186                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/18/2022 4:00  | 39.4            | 1                | S              | 186                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/18/2022 4:30  | 39.2            | 0                | S              | 186                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/18/2022 5:00  | 39.4            | 0                | S              | 186                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/18/2022 5:30  | 39.5            | 1                | S              | 186                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/18/2022 6:00  | 39.8            | 2                | S              | 186                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/18/2022 6:30  | 40.9            | 0                | E              | 94                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/18/2022 7:00  | 41.1            | 2                | E              | 94                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/18/2022 7:30  | 41.1            | 1                | SSE            | 157                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/18/2022 8:00  | 41.4            | 2                | SSE            | 168                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/18/2022 8:30  | 42              | 3                | SSE            | 154                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/18/2022 9:00  | 42.5            | 0                | SSE            | 161                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/18/2022 9:30  | 43.3            | 3                | SSE            | 148                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/18/2022 10:00 | 44.2            | 0                | SSE            | 148                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/18/2022 10:30 | 45.3            | 1                | SSE            | 148                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/18/2022 11:00 | 46.4            | 2                | SE             | 136                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/18/2022 11:30 | 46.5            | 4                | SSE            | 161                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |

## Coffin Butte Landfill On-site Meteorological Data for Recent Odor Complaints (2022 to 2024)

| Time Stamp      | Temperature (F) | Wind Speed (mph) | Wind Direction | Wind Direction (deg) | Odor Event ID | Odor Event Date        | Odor Event Time | Odor Event Day of Week |
|-----------------|-----------------|------------------|----------------|----------------------|---------------|------------------------|-----------------|------------------------|
| 1/18/2022 12:00 | 47.6            | 6                | ESE            | 115                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/18/2022 12:30 | 48.2            | 1                | S              | 178                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/18/2022 13:00 | 47.6            | 2                | ESE            | 112                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/18/2022 13:30 | 48.1            | 0                | SSE            | 167                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/18/2022 14:00 | 49.9            | 5                | SSE            | 161                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/18/2022 14:30 | 51.6            | 1                | SSE            | 150                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/18/2022 15:00 | 51.4            | 5                | S              | 186                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/18/2022 15:30 | 50.9            | 0                | SE             | 146                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/18/2022 16:00 | 49.9            | 0                | NNE            | 27                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/18/2022 16:30 | 48.6            | 0                | NNE            | 27                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/18/2022 17:00 | 47.4            | 0                | NNE            | 27                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/18/2022 17:30 | 47.4            | 0                | NNE            | 27                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/18/2022 18:00 | 47.6            | 0                | NNE            | 27                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/18/2022 18:30 | 48.3            | 0                | NNE            | 16                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/18/2022 19:00 | 48.3            | 0                | NNE            | 16                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/18/2022 19:30 | 48.1            | 2                | NNE            | 13                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/18/2022 20:00 | 48.3            | 1                | NNE            | 13                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/18/2022 20:30 | 48.3            | 0                | SW             | 234                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/18/2022 21:00 | 48              | 0                | SW             | 234                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/18/2022 21:30 | 48              | 0                | SW             | 234                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/18/2022 22:00 | 47.8            | 1                | SW             | 234                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/18/2022 22:30 | 47.9            | 1                | SW             | 234                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/18/2022 23:00 | 48              | 0                | SW             | 234                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/18/2022 23:30 | 47.7            | 0                | SW             | 234                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/19/2022 0:00  | 47.4            | 0                | SW             | 234                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/19/2022 0:30  | 47.1            | 0                | SW             | 234                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/19/2022 1:00  | 46.4            | 0                | SW             | 234                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/19/2022 1:30  | 45.7            | 0                | SW             | 234                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/19/2022 2:00  | 46.3            | 2                | SW             | 234                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/19/2022 2:30  | 47              | 2                | SW             | 234                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/19/2022 3:00  | 47.4            | 1                | SW             | 234                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/19/2022 3:30  | 47.6            | 1                | SW             | 234                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/19/2022 4:00  | 47.9            | 5                | SW             | 229                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/19/2022 4:30  | 47.9            | 4                | SSE            | 160                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/19/2022 5:00  | 48.1            | 1                | S              | 181                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/19/2022 5:30  | 48              | 0                | S              | 181                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/19/2022 6:00  | 48.4            | 2                | S              | 181                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/19/2022 6:30  | 48.5            | 2                | S              | 171                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/19/2022 7:00  | 48.3            | 1                | S              | 173                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/19/2022 7:30  | 48.2            | 0                | S              | 173                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/19/2022 8:00  | 48.4            | 2                | S              | 176                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/19/2022 8:30  | 48.5            | 1                | S              | 182                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/19/2022 9:00  | 48.7            | 2                | SSE            | 169                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/19/2022 9:30  | 48.7            | 1                | SSE            | 163                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/19/2022 10:00 | 49              | 2                | SSE            | 163                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/19/2022 10:30 | 49.3            | 5                | SSW            | 198                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/19/2022 11:00 | 49.4            | 5                | S              | 174                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/19/2022 11:30 | 49.6            | 7                | SSE            | 156                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/19/2022 12:00 | 49.8            | 3                | S              | 187                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/19/2022 12:30 | 50              | 4                | SSE            | 152                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/19/2022 13:00 | 50.5            | 4                | SSE            | 167                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/19/2022 13:30 | 50.6            | 4                | S              | 185                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/19/2022 14:00 | 51              | 2                | SSW            | 211                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/19/2022 14:30 | 51.2            | 4                | SE             | 142                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/19/2022 15:00 | 51.5            | 2                | S              | 178                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/19/2022 15:30 | 51.6            | 3                | S              | 186                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/19/2022 16:00 | 51.6            | 6                | S              | 179                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/19/2022 16:30 | 51.6            | 3                | S              | 188                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/19/2022 17:00 | 51.7            | 4                | SSE            | 147                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/19/2022 17:30 | 51.7            | 4                | SSW            | 200                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/19/2022 18:00 | 51.8            | 2                | S              | 189                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/19/2022 18:30 | 51.8            | 1                | S              | 188                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/19/2022 19:00 | 51.9            | 3                | S              | 186                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/19/2022 19:30 | 51.9            | 2                | SSW            | 193                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/19/2022 20:00 | 51.9            | 2                | SW             | 226                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/19/2022 20:30 | 52.1            | 4                | WSW            | 250                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/19/2022 21:00 | 52.2            | 3                | SW             | 221                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/19/2022 21:30 | 52.3            | 2                | S              | 185                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/19/2022 22:00 | 52.3            | 8                | SSE            | 156                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/19/2022 22:30 | 52.2            | 5                | SSW            | 194                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |

## Coffin Butte Landfill On-site Meteorological Data for Recent Odor Complaints (2022 to 2024)

| Time Stamp      | Temperature (F) | Wind Speed (mph) | Wind Direction | Wind Direction (deg) | Odor Event ID | Odor Event Date        | Odor Event Time | Odor Event Day of Week |
|-----------------|-----------------|------------------|----------------|----------------------|---------------|------------------------|-----------------|------------------------|
| 1/19/2022 23:00 | 52.3            | 8                | SSE            | 162                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/19/2022 23:30 | 52.4            | 4                | S              | 142                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/20/2022 0:00  | 52.6            | 2                | SSW            | 199                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/20/2022 0:30  | 52.6            | 3                | SSW            | 210                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/20/2022 1:00  | 52.8            | 6                | SSE            | 156                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/20/2022 1:30  | 53.1            | 3                | SSE            | 159                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/20/2022 2:00  | 52.7            | 4                | SW             | 221                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/20/2022 2:30  | 52.6            | 2                | NNE            | 30                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/20/2022 3:00  | 52.5            | 3                | S              | 182                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/20/2022 3:30  | 52.7            | 1                | S              | 178                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/20/2022 4:00  | 52.5            | 4                | S              | 191                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/20/2022 4:30  | 52.5            | 0                | SSE            | 156                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/20/2022 5:00  | 52.3            | 2                | ESE            | 117                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/20/2022 5:30  | 52.1            | 0                | ESE            | 117                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/20/2022 6:00  | 52.1            | 0                | ESE            | 117                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/20/2022 6:30  | 52.9            | 4                | SSE            | 158                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/20/2022 7:00  | 52.3            | 1                | WSW            | 246                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/20/2022 7:30  | 52.5            | 4                | SSW            | 194                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/20/2022 8:00  | 52.9            | 4                | SSW            | 211                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/20/2022 8:30  | 52.6            | 2                | SSW            | 211                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/20/2022 9:00  | 52.3            | 3                | SSW            | 213                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/20/2022 9:30  | 52.4            | 4                | S              | 186                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/20/2022 10:00 | 52.9            | 3                | SSW            | 200                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/20/2022 10:30 | 52.8            | 6                | SSW            | 205                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/20/2022 11:00 | 53.2            | 4                | SSW            | 200                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/20/2022 11:30 | 53.5            | 8                | SSW            | 193                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/20/2022 12:00 | 54.5            | 4                | SSW            | 214                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/20/2022 12:30 | 54.6            | 7                | SSW            | 202                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/20/2022 13:00 | 55.3            | 6                | SW             | 236                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/20/2022 13:30 | 55.6            | 10               | SSW            | 206                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/20/2022 14:00 | 55.3            | 8                | SSW            | 193                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/20/2022 14:30 | 53.8            | 11               | S              | 186                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/20/2022 15:00 | 54.4            | 9                | SSW            | 196                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/20/2022 15:30 | 53.2            | 4                | SW             | 218                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/20/2022 16:00 | 51.5            | 6                | S              | 181                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/20/2022 16:30 | 49.8            | 8                | SSW            | 205                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/20/2022 17:00 | 47.9            | 7                | SSW            | 208                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/20/2022 17:30 | 47              | 0                | SSW            | 213                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/20/2022 18:00 | 45.6            | 1                | S              | 190                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/20/2022 18:30 | 44.5            | 0                | W              | 261                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/20/2022 19:00 | 43.6            | 1                | SSW            | 208                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/20/2022 19:30 | 43              | 3                | SSW            | 201                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/20/2022 20:00 | 43.8            | 1                | WSW            | 250                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/20/2022 20:30 | 43.6            | 3                | SSW            | 196                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/20/2022 21:00 | 41.7            | 1                | S              | 188                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/20/2022 21:30 | 40.7            | 1                | S              | 188                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/20/2022 22:00 | 40              | 1                | S              | 188                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/20/2022 22:30 | 40.3            | 1                | NNE            | 31                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/20/2022 23:00 | 40.6            | 0                | NNE            | 33                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/20/2022 23:30 | 39.6            | 0                | W              | 273                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/21/2022 0:00  | 38.3            | 0                | W              | 273                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/21/2022 0:30  | 36.9            | 1                | W              | 273                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/21/2022 1:00  | 35.6            | 2                | W              | 265                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/21/2022 1:30  | 36.6            | 0                | W              | 265                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/21/2022 2:00  | 35.7            | 0                | W              | 265                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/21/2022 2:30  | 35              | 0                | W              | 265                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/21/2022 3:00  | 35              | 0                | W              | 265                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/21/2022 3:30  | 34.8            | 0                | W              | 263                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/21/2022 4:00  | 32.4            | 2                | W              | 263                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/21/2022 4:30  | 32.9            | 1                | W              | 263                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/21/2022 5:00  | 33.1            | 1                | W              | 263                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/21/2022 5:30  | 33.2            | 1                | W              | 262                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/21/2022 6:00  | 33.9            | 0                | W              | 262                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/21/2022 6:30  | 33.6            | 3                | W              | 262                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/21/2022 7:00  | 32.7            | 2                | WSW            | 241                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/21/2022 7:30  | 33.1            | 2                | WSW            | 241                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/21/2022 8:00  | 32              | 3                | WSW            | 238                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/21/2022 8:30  | 32.8            | 2                | WSW            | 238                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/21/2022 9:00  | 34              | 1                | WSW            | 238                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/21/2022 9:30  | 38.4            | 1                | W              | 261                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |

## Coffin Butte Landfill On-site Meteorological Data for Recent Odor Complaints (2022 to 2024)

| Time Stamp      | Temperature (F) | Wind Speed (mph) | Wind Direction | Wind Direction (deg) | Odor Event ID | Odor Event Date        | Odor Event Time | Odor Event Day of Week |
|-----------------|-----------------|------------------|----------------|----------------------|---------------|------------------------|-----------------|------------------------|
| 1/21/2022 10:00 | 40.4            | 3                | W              | 261                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/21/2022 10:30 | 42.2            | 2                | NE             | 54                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/21/2022 11:00 | 43.6            | 7                | NNE            | 19                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/21/2022 11:30 | 43.7            | 4                | NNE            | 30                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/21/2022 12:00 | 44.6            | 9                | NE             | 37                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/21/2022 12:30 | 45.3            | 5                | NNE            | 31                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/21/2022 13:00 | 45.6            | 5                | NNE            | 27                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/21/2022 13:30 | 45.6            | 2                | NE             | 43                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/21/2022 14:00 | 45.8            | 1                | ENE            | 65                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/21/2022 14:30 | 45.7            | 6                | NE             | 38                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/21/2022 15:00 | 45.7            | 6                | NE             | 40                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/21/2022 15:30 | 45.2            | 1                | ENE            | 67                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/21/2022 16:00 | 45.2            | 3                | NNE            | 21                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/21/2022 16:30 | 44.5            | 3                | NE             | 43                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/21/2022 17:00 | 43.7            | 1                | NE             | 42                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/21/2022 17:30 | 42.8            | 0                | NE             | 49                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/21/2022 18:00 | 42.2            | 1                | NE             | 51                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/21/2022 18:30 | 42.3            | 0                | NE             | 56                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/21/2022 19:00 | 42.6            | 1                | NNE            | 28                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/21/2022 19:30 | 42.7            | 0                | NNE            | 32                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/21/2022 20:00 | 42.7            | 2                | NNE            | 14                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/21/2022 20:30 | 42.9            | 1                | NNE            | 19                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/21/2022 21:00 | 42.8            | 3                | NE             | 35                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/21/2022 21:30 | 42.7            | 5                | NNE            | 28                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/21/2022 22:00 | 42.5            | 5                | NE             | 37                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/21/2022 22:30 | 42.4            | 7                | NNE            | 16                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/21/2022 23:00 | 42.2            | 4                | NNE            | 32                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/21/2022 23:30 | 42              | 3                | N              | 5                    | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/22/2022 0:00  | 41.6            | 2                | NNE            | 28                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/22/2022 0:30  | 41.4            | 3                | NNE            | 16                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/22/2022 1:00  | 41.3            | 3                | NNE            | 30                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/22/2022 1:30  | 41.3            | 5                | NE             | 44                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/22/2022 2:00  | 41.3            | 3                | NNW            | 336                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/22/2022 2:30  | 41.3            | 4                | NNE            | 32                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/22/2022 3:00  | 41.1            | 5                | NNE            | 30                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/22/2022 3:30  | 41.1            | 4                | E              | 84                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/22/2022 4:00  | 41.1            | 3                | N              | 9                    | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/22/2022 4:30  | 41.1            | 3                | NNE            | 31                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/22/2022 5:00  | 41.2            | 2                | NNE            | 24                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/22/2022 5:30  | 41              | 0                | NE             | 49                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/22/2022 6:00  | 40.9            | 3                | NNE            | 23                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/22/2022 6:30  | 40.6            | 0                | NNE            | 29                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/22/2022 7:00  | 40.5            | 2                | ENE            | 76                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/22/2022 7:30  | 40.3            | 6                | NNE            | 32                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/22/2022 8:00  | 40.2            | 2                | E              | 101                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/22/2022 8:30  | 40.2            | 1                | E              | 94                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/22/2022 9:00  | 40.4            | 4                | NE             | 55                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/22/2022 9:30  | 40.5            | 2                | NNE            | 26                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/22/2022 10:00 | 40.7            | 2                | NE             | 51                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/22/2022 10:30 | 41              | 1                | N              | 355                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/22/2022 11:00 | 41.3            | 4                | NE             | 42                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/22/2022 11:30 | 41.6            | 4                | NE             | 46                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/22/2022 12:00 | 41.8            | 1                | NNE            | 26                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/22/2022 12:30 | 41.9            | 0                | ENE            | 61                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/22/2022 13:00 | 41.8            | 3                | NE             | 40                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/22/2022 13:30 | 42.2            | 4                | NE             | 53                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/22/2022 14:00 | 42.7            | 2                | SSE            | 152                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/22/2022 14:30 | 43.4            | 0                | NE             | 49                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/22/2022 15:00 | 45.2            | 1                | NNE            | 28                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/22/2022 15:30 | 45.6            | 2                | W              | 269                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/22/2022 16:00 | 45.6            | 0                | NE             | 55                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/22/2022 16:30 | 45.3            | 5                | WSW            | 238                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/22/2022 17:00 | 43.7            | 1                | SW             | 215                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/22/2022 17:30 | 43.2            | 2                | NNE            | 22                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/22/2022 18:00 | 42.8            | 0                | N              | 5                    | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/22/2022 18:30 | 43              | 2                | ESE            | 104                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/22/2022 19:00 | 42.7            | 1                | ESE            | 105                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/22/2022 19:30 | 39.1            | 0                | ESE            | 105                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/22/2022 20:00 | 35.5            | 0                | ESE            | 105                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/22/2022 20:30 | 34.3            | 2                | ESE            | 105                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |

## Coffin Butte Landfill On-site Meteorological Data for Recent Odor Complaints (2022 to 2024)

| Time Stamp      | Temperature (F) | Wind Speed (mph) | Wind Direction | Wind Direction (deg) | Odor Event ID | Odor Event Date        | Odor Event Time | Odor Event Day of Week |
|-----------------|-----------------|------------------|----------------|----------------------|---------------|------------------------|-----------------|------------------------|
| 1/22/2022 21:00 | 33.4            | 1                | ESE            | 105                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/22/2022 21:30 | 33              | 0                | ESE            | 105                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/22/2022 22:00 | 33              | 0                | ESE            | 105                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/22/2022 22:30 | 32.7            | 1                | ESE            | 105                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/22/2022 23:00 | 33              | 0                | ESE            | 105                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/22/2022 23:30 | 32.9            | 0                | ESE            | 105                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/23/2022 0:00  | 31.7            | 0                | ESE            | 105                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/23/2022 0:30  | 32.1            | 0                | ESE            | 105                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/23/2022 1:00  | 31.8            | 0                | ESE            | 105                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/23/2022 1:30  | 31.7            | 0                | ESE            | 105                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/23/2022 2:00  | 30.1            | 2                | ESE            | 105                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/23/2022 2:30  | 29.2            | 0                | ESE            | 105                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/23/2022 3:00  | 29.5            | 0                | ESE            | 105                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/23/2022 3:30  | 29.4            | 1                | NNE            | 29                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/23/2022 4:00  | 28.7            | 0                | NNE            | 29                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/23/2022 4:30  | 28.3            | 2                | NNE            | 29                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/23/2022 5:00  | 27.8            | 3                | NNE            | 29                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/23/2022 5:30  | 27.5            | 3                | NNE            | 29                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/23/2022 6:00  | 27.2            | 3                | NNE            | 29                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/23/2022 6:30  | 27.1            | 5                | NNE            | 29                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/23/2022 7:00  | 27              | 3                | NNE            | 29                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/23/2022 7:30  | 26.8            | 3                | NNE            | 29                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/23/2022 8:00  | 26.7            | 2                | NNE            | 30                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/23/2022 8:30  | 27              | 2                | NNE            | 29                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/23/2022 9:00  | 27.8            | 2                | NNE            | 29                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/23/2022 9:30  | 28.3            | 2                | NNE            | 29                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/23/2022 10:00 | 30              | 2                | NNE            | 29                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/23/2022 10:30 | 32.4            | 3                | NNE            | 25                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/23/2022 11:00 | 34              | 2                | NNE            | 28                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/23/2022 11:30 | 35              | 6                | NNE            | 31                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/23/2022 12:00 | 35.6            | 8                | NNE            | 34                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/23/2022 12:30 | 36.3            | 6                | NNE            | 26                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/23/2022 13:00 | 37.2            | 5                | NNE            | 30                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/23/2022 13:30 | 37.8            | 9                | NNE            | 28                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/23/2022 14:00 | 39.1            | 7                | NNE            | 18                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/23/2022 14:30 | 38.2            | 5                | NNE            | 27                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/23/2022 15:00 | 38.2            | 8                | NNE            | 30                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/23/2022 15:30 | 38.1            | 4                | NNE            | 30                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/23/2022 16:00 | 37.9            | 4                | NNE            | 29                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/23/2022 16:30 | 38              | 3                | NNE            | 29                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/23/2022 17:00 | 37.2            | 3                | NE             | 36                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/23/2022 17:30 | 35.7            | 2                | NNE            | 27                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/23/2022 18:00 | 34.6            | 2                | NNE            | 28                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/23/2022 18:30 | 34.2            | 1                | NNE            | 29                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/23/2022 19:00 | 32.8            | 0                | NNE            | 29                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/23/2022 19:30 | 33.3            | 1                | NNE            | 27                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/23/2022 20:00 | 32.8            | 0                | ENE            | 78                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/23/2022 20:30 | 32.4            | 0                | ENE            | 78                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/23/2022 21:00 | 32              | 0                | ENE            | 78                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/23/2022 21:30 | 31.4            | 0                | ENE            | 78                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/23/2022 22:00 | 30.5            | 0                | ENE            | 78                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/23/2022 22:30 | 30.1            | 3                | NNE            | 34                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/23/2022 23:00 | 29.9            | 0                | NNE            | 26                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/23/2022 23:30 | 29.7            | 0                | NNE            | 26                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/24/2022 0:00  | 30.1            | 0                | NNE            | 27                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/24/2022 0:30  | 30.5            | 0                | NNE            | 27                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/24/2022 1:00  | 30.9            | 0                | NNE            | 27                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/24/2022 1:30  | 30.3            | 1                | SW             | 236                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/24/2022 2:00  | 29.8            | 3                | SSW            | 211                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/24/2022 2:30  | 29.2            | 0                | SSW            | 211                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/24/2022 3:00  | 28.8            | 0                | SSW            | 211                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/24/2022 3:30  | 28.7            | 0                | SSW            | 211                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/24/2022 4:00  | 28.9            | 0                | SSW            | 211                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/24/2022 4:30  | 28.8            | 0                | SSW            | 211                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/24/2022 5:00  | 29.1            | 2                | SSW            | 211                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/24/2022 5:30  | 28.9            | 2                | SSW            | 211                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/24/2022 6:00  | 29              | 0                | SSW            | 211                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/24/2022 6:30  | 29              | 1                | SSW            | 211                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/24/2022 7:00  | 29.1            | 0                | SSW            | 211                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/24/2022 7:30  | 29.7            | 2                | SSW            | 211                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |

## Coffin Butte Landfill On-site Meteorological Data for Recent Odor Complaints (2022 to 2024)

| Time Stamp      | Temperature (F) | Wind Speed (mph) | Wind Direction | Wind Direction (deg) | Odor Event ID | Odor Event Date        | Odor Event Time | Odor Event Day of Week |
|-----------------|-----------------|------------------|----------------|----------------------|---------------|------------------------|-----------------|------------------------|
| 1/24/2022 8:00  | 29.4            | 1                | SSW            | 211                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/24/2022 8:30  | 29.7            | 2                | SSW            | 211                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/24/2022 9:00  | 29.4            | 4                | SSW            | 206                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/24/2022 9:30  | 30.4            | 0                | NNE            | 12                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/24/2022 10:00 | 31.4            | 0                | NNW            | 327                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/24/2022 10:30 | 31.8            | 6                | W              | 270                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/24/2022 11:00 | 31.7            | 1                | WSW            | 240                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/24/2022 11:30 | 32.7            | 1                | WSW            | 240                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/24/2022 12:00 | 33.5            | 0                | NNE            | 26                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/24/2022 12:30 | 33.9            | 0                | ESE            | 104                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/24/2022 13:00 | 35.2            | 2                | SSE            | 151                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/24/2022 13:30 | 36              | 4                | N              | 360                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/24/2022 14:00 | 36.1            | 0                | N              | 360                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/24/2022 14:30 | 36.5            | 2                | NNE            | 29                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/24/2022 15:00 | 36              | 3                | WNW            | 290                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/24/2022 15:30 | 35.7            | 4                | WSW            | 240                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/24/2022 16:00 | 35.4            | 3                | W              | 261                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/24/2022 16:30 | 35.5            | 0                | WSW            | 259                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/24/2022 17:00 | 35              | 3                | WSW            | 259                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/24/2022 17:30 | 35              | 5                | WSW            | 251                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/24/2022 18:00 | 34.6            | 4                | NW             | 313                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/24/2022 18:30 | 34.8            | 1                | NW             | 317                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/24/2022 19:00 | 34.8            | 4                | NW             | 309                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/24/2022 19:30 | 34.5            | 3                | NW             | 315                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/24/2022 20:00 | 34.4            | 3                | W              | 263                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/24/2022 20:30 | 33.8            | 3                | SW             | 227                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/24/2022 21:00 | 33.3            | 1                | SSW            | 208                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/24/2022 21:30 | 32.6            | 2                | SSW            | 208                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/24/2022 22:00 | 32.4            | 2                | SSW            | 208                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/24/2022 22:30 | 32.2            | 1                | WSW            | 238                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/24/2022 23:00 | 31.9            | 2                | WSW            | 238                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/24/2022 23:30 | 31.7            | 0                | WSW            | 238                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/25/2022 0:00  | 32.4            | 2                | NW             | 310                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/25/2022 0:30  | 32.2            | 3                | W              | 263                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/25/2022 1:00  | 31.4            | 2                | W              | 263                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/25/2022 1:30  | 31.1            | 2                | W              | 263                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/25/2022 2:00  | 30.5            | 0                | W              | 261                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/25/2022 2:30  | 30              | 1                | W              | 261                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/25/2022 3:00  | 29.6            | 1                | W              | 261                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/25/2022 3:30  | 29.2            | 1                | W              | 261                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/25/2022 4:00  | 28.8            | 0                | W              | 261                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/25/2022 4:30  | 28.2            | 0                | W              | 261                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/25/2022 5:00  | 27.4            | 0                | W              | 261                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/25/2022 5:30  | 26.8            | 0                | W              | 261                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/25/2022 6:00  | 26.7            | 3                | NNE            | 34                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/25/2022 6:30  | 26.1            | 0                | NNE            | 34                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/25/2022 7:00  | 25.6            | 0                | NNE            | 34                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/25/2022 7:30  | 25.3            | 0                | NNE            | 34                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/25/2022 8:00  | 25.2            | 0                | NNE            | 34                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/25/2022 8:30  | 25.3            | 0                | NE             | 36                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/25/2022 9:00  | 26.8            | 2                | NNE            | 34                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/25/2022 9:30  | 27.8            | 1                | NNE            | 34                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/25/2022 10:00 | 29.3            | 3                | NNE            | 34                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/25/2022 10:30 | 31.6            | 4                | NNE            | 34                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/25/2022 11:00 | 33.2            | 3                | NNE            | 34                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/25/2022 11:30 | 36.8            | 0                | NNE            | 34                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/25/2022 12:00 | 39.5            | 4                | WSW            | 244                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/25/2022 12:30 | 41.7            | 2                | WSW            | 256                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/25/2022 13:00 | 44              | 6                | W              | 261                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/25/2022 13:30 | 45.3            | 1                | ENE            | 70                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/25/2022 14:00 | 45.4            | 3                | ENE            | 77                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/25/2022 14:30 | 46.1            | 1                | NE             | 46                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/25/2022 15:00 | 47.3            | 4                | NE             | 52                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/25/2022 15:30 | 48.8            | 0                | NE             | 47                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/25/2022 16:00 | 48.4            | 2                | WSW            | 238                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/25/2022 16:30 | 47.7            | 1                | W              | 263                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/25/2022 17:00 | 45.1            | 2                | W              | 263                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/25/2022 17:30 | 41.4            | 0                | W              | 263                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/25/2022 18:00 | 37.2            | 0                | W              | 263                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/25/2022 18:30 | 35.7            | 0                | W              | 263                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |

## Coffin Butte Landfill On-site Meteorological Data for Recent Odor Complaints (2022 to 2024)

| Time Stamp      | Temperature (F) | Wind Speed (mph) | Wind Direction | Wind Direction (deg) | Odor Event ID | Odor Event Date        | Odor Event Time | Odor Event Day of Week |
|-----------------|-----------------|------------------|----------------|----------------------|---------------|------------------------|-----------------|------------------------|
| 1/25/2022 19:00 | 34.5            | 1                | W              | 263                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/25/2022 19:30 | 33.4            | 1                | W              | 263                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/25/2022 20:00 | 32.8            | 1                | W              | 263                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/25/2022 20:30 | 31              | 0                | W              | 263                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/25/2022 21:00 | 31.3            | 0                | W              | 263                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/25/2022 21:30 | 31.9            | 0                | W              | 263                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/25/2022 22:00 | 30.9            | 0                | W              | 263                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/25/2022 22:30 | 30.4            | 0                | W              | 263                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/25/2022 23:00 | 28.5            | 0                | W              | 263                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/25/2022 23:30 | 30.1            | 0                | W              | 263                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 1/26/2022 0:00  | 30.1            | 0                | W              | 263                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/26/2022 0:30  | 28.3            | 0                | W              | 263                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/26/2022 1:00  | 27.1            | 0                | W              | 263                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/26/2022 1:30  | 27.8            | 0                | W              | 263                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/26/2022 2:00  | 26.8            | 0                | W              | 263                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/26/2022 2:30  | 27.1            | 0                | W              | 263                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/26/2022 3:00  | 27.3            | 0                | W              | 263                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/26/2022 3:30  | 25.7            | 0                | W              | 263                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/26/2022 4:00  | 25.1            | 1                | W              | 263                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/26/2022 4:30  | 26.1            | 0                | W              | 263                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/26/2022 5:00  | 26              | 2                | W              | 263                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/26/2022 5:30  | 24.4            | 0                | W              | 263                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/26/2022 6:00  | 23.3            | 0                | W              | 263                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/26/2022 6:30  | 23.6            | 0                | W              | 263                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/26/2022 7:00  | 24.7            | 0                | W              | 263                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/26/2022 7:30  | 24.8            | 0                | W              | 263                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/26/2022 8:00  | 24.5            | 2                | NNE            | 19                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/26/2022 8:30  | 24.3            | 2                | NNE            | 22                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/26/2022 9:00  | 25.2            | 3                | NNE            | 22                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/26/2022 9:30  | 26.3            | 0                | NNE            | 22                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/26/2022 10:00 | 28.2            | 1                | NNE            | 22                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/26/2022 10:30 | 30.6            | 4                | NNE            | 22                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/26/2022 11:00 | 32.2            | 3                | NNE            | 23                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/26/2022 11:30 | 33.7            | 2                | NNE            | 23                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/26/2022 12:00 | 36.4            | 1                | NNE            | 23                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/26/2022 12:30 | 39.1            | 1                | NNE            | 23                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/26/2022 13:00 | 40.2            | 1                | NE             | 39                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/26/2022 13:30 | 41.5            | 2                | WSW            | 248                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/26/2022 14:00 | 42.8            | 3                | NNE            | 26                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/26/2022 14:30 | 43.4            | 2                | NE             | 49                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/26/2022 15:00 | 44.7            | 1                | NE             | 54                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/26/2022 15:30 | 45              | 4                | ENE            | 58                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/26/2022 16:00 | 44.8            | 2                | ENE            | 57                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/26/2022 16:30 | 44              | 0                | ENE            | 58                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/26/2022 17:00 | 42.8            | 0                | ENE            | 58                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/26/2022 17:30 | 37.3            | 0                | ENE            | 58                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/26/2022 18:00 | 35.5            | 0                | ENE            | 58                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/26/2022 18:30 | 34.6            | 1                | ENE            | 58                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/26/2022 19:00 | 33.3            | 0                | ENE            | 58                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/26/2022 19:30 | 32              | 0                | ENE            | 58                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/26/2022 20:00 | 31.8            | 2                | ENE            | 58                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/26/2022 20:30 | 31.3            | 2                | ENE            | 58                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/26/2022 21:00 | 30.7            | 1                | ENE            | 58                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/26/2022 21:30 | 29.9            | 1                | ENE            | 58                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/26/2022 22:00 | 28.5            | 0                | ENE            | 58                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/26/2022 22:30 | 28.7            | 0                | ENE            | 58                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/26/2022 23:00 | 27.8            | 0                | ENE            | 58                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/26/2022 23:30 | 27.2            | 1                | ENE            | 58                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 1/27/2022 0:00  | 27.3            | 0                | ENE            | 58                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/27/2022 0:30  | 26.6            | 0                | ENE            | 58                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/27/2022 1:00  | 26.4            | 0                | ENE            | 58                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/27/2022 1:30  | 26.8            | 2                | ENE            | 58                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/27/2022 2:00  | 26.4            | 0                | ENE            | 58                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/27/2022 2:30  | 25.9            | 1                | ENE            | 58                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/27/2022 3:00  | 25.8            | 0                | ENE            | 58                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/27/2022 3:30  | 24.6            | 0                | ENE            | 58                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/27/2022 4:00  | 24.3            | 0                | ENE            | 58                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/27/2022 4:30  | 24.7            | 0                | ENE            | 58                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/27/2022 5:00  | 24              | 1                | ENE            | 58                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/27/2022 5:30  | 24.5            | 1                | ENE            | 58                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |

## Coffin Butte Landfill On-site Meteorological Data for Recent Odor Complaints (2022 to 2024)

| Time Stamp      | Temperature (F) | Wind Speed (mph) | Wind Direction | Wind Direction (deg) | Odor Event ID | Odor Event Date        | Odor Event Time | Odor Event Day of Week |
|-----------------|-----------------|------------------|----------------|----------------------|---------------|------------------------|-----------------|------------------------|
| 1/27/2022 6:00  | 25.9            | 2                | ENE            | 58                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/27/2022 6:30  | 25.9            | 0                | ENE            | 58                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/27/2022 7:00  | 24.7            | 1                | ENE            | 58                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/27/2022 7:30  | 24.5            | 2                | WNW            | 286                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/27/2022 8:00  | 24.8            | 0                | WNW            | 285                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/27/2022 8:30  | 24.6            | 1                | SW             | 225                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/27/2022 9:00  | 31.9            | 2                | S              | 185                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/27/2022 9:30  | 34.8            | 4                | WSW            | 242                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/27/2022 10:00 | 36.5            | 3                | SW             | 231                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/27/2022 10:30 | 38.5            | 2                | SW             | 232                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/27/2022 11:00 | 40              | 3                | WSW            | 252                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/27/2022 11:30 | 41.5            | 2                | NE             | 45                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/27/2022 12:00 | 43.2            | 5                | WSW            | 251                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/27/2022 12:30 | 43.6            | 5                | SSW            | 208                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/27/2022 13:00 | 45              | 4                | WSW            | 259                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/27/2022 13:30 | 46.1            | 0                | NNE            | 27                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/27/2022 14:00 | 47              | 7                | W              | 267                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/27/2022 14:30 | 47.9            | 6                | W              | 260                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/27/2022 15:00 | 48.4            | 8                | W              | 271                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/27/2022 15:30 | 49              | 1                | WSW            | 253                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/27/2022 16:00 | 48.6            | 2                | SSE            | 150                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/27/2022 16:30 | 48.2            | 2                | SSW            | 196                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/27/2022 17:00 | 46.5            | 2                | ESE            | 105                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/27/2022 17:30 | 41.2            | 0                | ESE            | 105                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/27/2022 18:00 | 41              | 0                | ESE            | 105                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/27/2022 18:30 | 36.4            | 0                | ESE            | 105                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/27/2022 19:00 | 34.2            | 0                | ESE            | 105                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/27/2022 19:30 | 32.7            | 2                | SE             | 125                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/27/2022 20:00 | 30.7            | 1                | SE             | 140                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/27/2022 20:30 | 31.6            | 0                | ESE            | 108                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/27/2022 21:00 | 31              | 1                | SW             | 223                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/27/2022 21:30 | 30.5            | 2                | SSW            | 211                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/27/2022 22:00 | 29.9            | 1                | SW             | 223                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/27/2022 22:30 | 29              | 2                | SW             | 223                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/27/2022 23:00 | 28.7            | 1                | SW             | 223                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/27/2022 23:30 | 28.4            | 2                | SW             | 223                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 1/28/2022 0:00  | 27.7            | 1                | SW             | 223                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/28/2022 0:30  | 27.6            | 3                | SW             | 221                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/28/2022 1:00  | 31.9            | 1                | SSE            | 163                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/28/2022 1:30  | 27.4            | 0                | SSE            | 163                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/28/2022 2:00  | 26.7            | 2                | SSE            | 163                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/28/2022 2:30  | 26.1            | 2                | SSE            | 163                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/28/2022 3:00  | 26              | 1                | SSE            | 163                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/28/2022 3:30  | 25.5            | 0                | SSE            | 163                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/28/2022 4:00  | 25              | 0                | SSE            | 163                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/28/2022 4:30  | 25.3            | 0                | SSE            | 163                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/28/2022 5:00  | 24.8            | 0                | SSE            | 163                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/28/2022 5:30  | 24.8            | 0                | SSE            | 163                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/28/2022 6:00  | 25              | 0                | SSE            | 163                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/28/2022 6:30  | 25.8            | 0                | SSE            | 163                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/28/2022 7:00  | 25.5            | 0                | SSE            | 163                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/28/2022 7:30  | 25.9            | 0                | SSE            | 163                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/28/2022 8:00  | 24.6            | 0                | SSE            | 163                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/28/2022 8:30  | 26              | 0                | SSE            | 163                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/28/2022 9:00  | 27.4            | 0                | SSE            | 163                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/28/2022 9:30  | 28.2            | 0                | SSE            | 163                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/28/2022 10:00 | 29.5            | 0                | SSE            | 163                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/28/2022 10:30 | 34.3            | 0                | SSE            | 163                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/28/2022 11:00 | 37.7            | 0                | SSE            | 163                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/28/2022 11:30 | 41.3            | 0                | SSE            | 163                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/28/2022 12:00 | 41.8            | 7                | NE             | 47                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/28/2022 12:30 | 41.4            | 4                | NNE            | 28                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/28/2022 13:00 | 42.9            | 1                | NNW            | 333                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/28/2022 13:30 | 44.2            | 1                | W              | 267                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/28/2022 14:00 | 44.6            | 5                | NE             | 42                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/28/2022 14:30 | 45.5            | 4                | NNE            | 31                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/28/2022 15:00 | 46.7            | 2                | NE             | 37                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/28/2022 15:30 | 46.5            | 1                | NNE            | 16                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/28/2022 16:00 | 45.2            | 2                | NNE            | 22                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/28/2022 16:30 | 43.8            | 2                | NNE            | 22                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |

## Coffin Butte Landfill On-site Meteorological Data for Recent Odor Complaints (2022 to 2024)

| Time Stamp      | Temperature (F) | Wind Speed (mph) | Wind Direction | Wind Direction (deg) | Odor Event ID | Odor Event Date        | Odor Event Time | Odor Event Day of Week |
|-----------------|-----------------|------------------|----------------|----------------------|---------------|------------------------|-----------------|------------------------|
| 1/28/2022 17:00 | 42.2            | 0                | NNE            | 22                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/28/2022 17:30 | 38.4            | 0                | NNE            | 22                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/28/2022 18:00 | 35.5            | 1                | NNE            | 22                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/28/2022 18:30 | 35.5            | 1                | NNE            | 22                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/28/2022 19:00 | 34.7            | 1                | NNE            | 22                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/28/2022 19:30 | 34.7            | 2                | NNE            | 25                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/28/2022 20:00 | 33.4            | 1                | S              | 178                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/28/2022 20:30 | 32.3            | 2                | S              | 178                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/28/2022 21:00 | 32.1            | 1                | S              | 178                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/28/2022 21:30 | 32.3            | 1                | S              | 178                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/28/2022 22:00 | 32.2            | 1                | S              | 178                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/28/2022 22:30 | 31.7            | 0                | S              | 178                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/28/2022 23:00 | 30.6            | 0                | S              | 178                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/28/2022 23:30 | 30.1            | 1                | S              | 178                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 1/29/2022 0:00  | 28.5            | 3                | S              | 178                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/29/2022 0:30  | 27.9            | 0                | S              | 178                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/29/2022 1:00  | 29.1            | 2                | S              | 178                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/29/2022 1:30  | 28.4            | 1                | S              | 180                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/29/2022 2:00  | 27.3            | 0                | S              | 180                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/29/2022 2:30  | 26.7            | 0                | S              | 180                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/29/2022 3:00  | 27.4            | 0                | S              | 180                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/29/2022 3:30  | 26.1            | 0                | S              | 180                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/29/2022 4:00  | 25.1            | 0                | S              | 180                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/29/2022 4:30  | 24.4            | 2                | S              | 180                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/29/2022 5:00  | 24              | 1                | S              | 180                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/29/2022 5:30  | 25.8            | 0                | S              | 180                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/29/2022 6:00  | 25.7            | 0                | S              | 180                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/29/2022 6:30  | 26.4            | 0                | SSW            | 192                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/29/2022 7:00  | 27.2            | 0                | SSW            | 192                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/29/2022 7:30  | 26.1            | 0                | SSW            | 192                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/29/2022 8:00  | 25.5            | 0                | SSW            | 192                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/29/2022 8:30  | 26.4            | 0                | SSW            | 192                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/29/2022 9:00  | 26.8            | 0                | SSW            | 192                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/29/2022 9:30  | 29              | 2                | S              | 182                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/29/2022 10:00 | 30.5            | 1                | ESE            | 120                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/29/2022 10:30 | 33.6            | 0                | ESE            | 110                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/29/2022 11:00 | 36.6            | 2                | N              | 10                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/29/2022 11:30 | 38.6            | 3                | NNE            | 20                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/29/2022 12:00 | 40.7            | 2                | NNE            | 19                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/29/2022 12:30 | 43.1            | 0                | ENE            | 59                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/29/2022 13:00 | 44.6            | 2                | NNW            | 331                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/29/2022 13:30 | 45.7            | 2                | NNW            | 347                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/29/2022 14:00 | 46.6            | 1                | N              | 360                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/29/2022 14:30 | 46.8            | 1                | N              | 5                    | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/29/2022 15:00 | 46.9            | 0                | NE             | 35                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/29/2022 15:30 | 48.1            | 1                | NE             | 35                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/29/2022 16:00 | 47.2            | 2                | NE             | 35                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/29/2022 16:30 | 45.6            | 3                | NE             | 35                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/29/2022 17:00 | 44              | 2                | NE             | 35                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/29/2022 17:30 | 40.9            | 0                | NE             | 35                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/29/2022 18:00 | 37.4            | 1                | NE             | 35                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/29/2022 18:30 | 35.3            | 1                | NE             | 46                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/29/2022 19:00 | 36.4            | 0                | E              | 81                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/29/2022 19:30 | 35.3            | 0                | E              | 81                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/29/2022 20:00 | 35.4            | 0                | E              | 83                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/29/2022 20:30 | 34.4            | 0                | E              | 83                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/29/2022 21:00 | 33.3            | 0                | E              | 83                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/29/2022 21:30 | 32.5            | 2                | E              | 83                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/29/2022 22:00 | 30.6            | 0                | E              | 83                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/29/2022 22:30 | 30.9            | 0                | E              | 83                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/29/2022 23:00 | 31              | 0                | E              | 83                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/29/2022 23:30 | 31.8            | 0                | E              | 83                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 1/30/2022 0:00  | 30.8            | 0                | E              | 83                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/30/2022 0:30  | 29.9            | 0                | E              | 83                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/30/2022 1:00  | 30.9            | 1                | E              | 83                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/30/2022 1:30  | 29.1            | 0                | S              | 178                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/30/2022 2:00  | 29.7            | 0                | S              | 178                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/30/2022 2:30  | 29.6            | 0                | NNE            | 30                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/30/2022 3:00  | 30.7            | 0                | NNE            | 30                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/30/2022 3:30  | 31.1            | 3                | WSW            | 240                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |

## Coffin Butte Landfill On-site Meteorological Data for Recent Odor Complaints (2022 to 2024)

| Time Stamp      | Temperature (F) | Wind Speed (mph) | Wind Direction | Wind Direction (deg) | Odor Event ID | Odor Event Date        | Odor Event Time | Odor Event Day of Week |
|-----------------|-----------------|------------------|----------------|----------------------|---------------|------------------------|-----------------|------------------------|
| 1/30/2022 4:00  | 32              | 3                | SE             | 140                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/30/2022 4:30  | 32.6            | 4                | SE             | 138                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/30/2022 5:00  | 32              | 0                | WNW            | 282                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/30/2022 5:30  | 32              | 2                | WNW            | 282                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/30/2022 6:00  | 31.1            | 0                | WNW            | 282                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/30/2022 6:30  | 31.3            | 3                | WNW            | 282                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/30/2022 7:00  | 30.5            | 0                | WNW            | 282                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/30/2022 7:30  | 29.3            | 0                | WNW            | 282                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/30/2022 8:00  | 28.7            | 0                | WNW            | 282                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/30/2022 8:30  | 30.1            | 0                | WNW            | 282                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/30/2022 9:00  | 31.5            | 2                | NNE            | 32                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/30/2022 9:30  | 32.6            | 2                | SW             | 227                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/30/2022 10:00 | 33.4            | 1                | SW             | 226                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/30/2022 10:30 | 38.6            | 3                | SW             | 227                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/30/2022 11:00 | 43.4            | 5                | SSE            | 158                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/30/2022 11:30 | 46.7            | 3                | SSE            | 149                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/30/2022 12:00 | 47.4            | 6                | S              | 171                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/30/2022 12:30 | 47.3            | 6                | SSE            | 162                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/30/2022 13:00 | 48              | 4                | SW             | 222                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/30/2022 13:30 | 48.2            | 3                | SE             | 139                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/30/2022 14:00 | 47.8            | 3                | SSW            | 199                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/30/2022 14:30 | 48.2            | 3                | S              | 175                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/30/2022 15:00 | 49              | 10               | SSE            | 165                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/30/2022 15:30 | 49.7            | 2                | SSW            | 209                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/30/2022 16:00 | 50.5            | 10               | SSE            | 148                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/30/2022 16:30 | 49.6            | 7                | S              | 183                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/30/2022 17:00 | 49              | 7                | SW             | 217                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/30/2022 17:30 | 48.4            | 4                | SW             | 219                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/30/2022 18:00 | 47.6            | 7                | SSW            | 207                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/30/2022 18:30 | 45.8            | 5                | SSW            | 194                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/30/2022 19:00 | 45.5            | 11               | SW             | 230                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/30/2022 19:30 | 44.5            | 2                | SSW            | 192                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/30/2022 20:00 | 42.9            | 1                | ESE            | 107                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/30/2022 20:30 | 43.4            | 14               | SSW            | 198                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/30/2022 21:00 | 42.8            | 12               | S              | 171                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/30/2022 21:30 | 42.7            | 13               | S              | 172                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/30/2022 22:00 | 42.2            | 4                | SSW            | 202                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/30/2022 22:30 | 41              | 3                | S              | 187                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/30/2022 23:00 | 40.2            | 3                | SSW            | 211                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/30/2022 23:30 | 40.9            | 4                | S              | 187                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 1/31/2022 0:00  | 40.3            | 10               | SSW            | 195                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/31/2022 0:30  | 39.9            | 7                | S              | 183                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/31/2022 1:00  | 39.2            | 4                | SSW            | 204                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/31/2022 1:30  | 37.7            | 0                | S              | 182                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/31/2022 2:00  | 36.8            | 1                | SSW            | 192                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/31/2022 2:30  | 36.5            | 0                | S              | 173                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/31/2022 3:00  | 35.7            | 0                | S              | 173                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/31/2022 3:30  | 35.5            | 1                | S              | 182                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/31/2022 4:00  | 35.6            | 1                | S              | 182                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/31/2022 4:30  | 34.7            | 0                | S              | 182                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/31/2022 5:00  | 34.6            | 0                | S              | 182                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/31/2022 5:30  | 34.4            | 2                | S              | 182                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/31/2022 6:00  | 34.5            | 2                | S              | 182                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/31/2022 6:30  | 33.3            | 2                | S              | 182                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/31/2022 7:00  | 33.9            | 0                | S              | 182                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/31/2022 7:30  | 35.1            | 2                | S              | 191                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/31/2022 8:00  | 36.2            | 2                | S              | 191                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/31/2022 8:30  | 37.2            | 2                | SW             | 217                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/31/2022 9:00  | 37.4            | 0                | SSW            | 200                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/31/2022 9:30  | 40              | 2                | SSW            | 192                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/31/2022 10:00 | 41              | 4                | SSE            | 153                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/31/2022 10:30 | 42.2            | 4                | SW             | 232                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/31/2022 11:00 | 43.7            | 2                | SE             | 137                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/31/2022 11:30 | 44.2            | 6                | SSE            | 150                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/31/2022 12:00 | 42.8            | 5                | SSE            | 159                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/31/2022 12:30 | 44.4            | 6                | S              | 180                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/31/2022 13:00 | 44.3            | 4                | SSE            | 168                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/31/2022 13:30 | 46.1            | 3                | S              | 175                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/31/2022 14:00 | 44.5            | 4                | S              | 190                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/31/2022 14:30 | 45.9            | 12               | SW             | 234                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |

## Coffin Butte Landfill On-site Meteorological Data for Recent Odor Complaints (2022 to 2024)

| Time Stamp      | Temperature (F) | Wind Speed (mph) | Wind Direction | Wind Direction (deg) | Odor Event ID | Odor Event Date        | Odor Event Time | Odor Event Day of Week |
|-----------------|-----------------|------------------|----------------|----------------------|---------------|------------------------|-----------------|------------------------|
| 1/31/2022 15:00 | 45.5            | 6                | SW             | 221                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/31/2022 15:30 | 45.8            | 4                | SSW            | 195                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/31/2022 16:00 | 46.3            | 4                | SSW            | 209                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/31/2022 16:30 | 44.7            | 6                | SSW            | 210                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/31/2022 17:00 | 42.7            | 2                | SSW            | 202                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/31/2022 17:30 | 40.9            | 2                | SSW            | 200                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/31/2022 18:00 | 39              | 0                | SSW            | 200                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/31/2022 18:30 | 37.4            | 0                | SSW            | 200                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/31/2022 19:00 | 35.7            | 1                | SSW            | 200                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/31/2022 19:30 | 35.7            | 0                | SSW            | 200                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/31/2022 20:00 | 34.3            | 0                | SSW            | 200                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/31/2022 20:30 | 33.8            | 0                | SSW            | 200                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/31/2022 21:00 | 34.2            | 0                | SSW            | 200                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/31/2022 21:30 | 33.4            | 0                | SSW            | 200                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/31/2022 22:00 | 33.4            | 0                | SSW            | 200                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/31/2022 22:30 | 32.8            | 2                | SSW            | 200                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/31/2022 23:00 | 32.5            | 0                | SSW            | 200                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 1/31/2022 23:30 | 32.5            | 0                | SSW            | 200                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 2/1/2022 0:00   | 31.7            | 2                | SSW            | 200                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 2/1/2022 0:30   | 31.6            | 3                | SSW            | 200                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 2/1/2022 1:00   | 32.7            | 2                | SSW            | 200                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 2/1/2022 1:30   | 32.4            | 0                | SSW            | 200                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 2/1/2022 2:00   | 32.1            | 0                | SSW            | 200                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 2/1/2022 2:30   | 32.8            | 0                | SSW            | 200                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 2/1/2022 3:00   | 32.1            | 1                | SSW            | 200                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 2/1/2022 3:30   | 31.7            | 0                | SSW            | 200                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 2/1/2022 4:00   | 32              | 0                | SSW            | 200                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 2/1/2022 4:30   | 32.4            | 0                | SSW            | 200                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 2/1/2022 5:00   | 30.7            | 0                | SSW            | 200                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 2/1/2022 5:30   | 30.9            | 0                | SSW            | 200                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 2/1/2022 6:00   | 31.3            | 1                | SSW            | 200                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 2/1/2022 6:30   | 30.1            | 2                | SSW            | 200                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 2/1/2022 7:00   | 29.1            | 1                | SSW            | 200                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 2/1/2022 7:30   | 29.4            | 2                | SSW            | 200                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 2/1/2022 8:00   | 30.4            | 1                | SSW            | 200                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 2/1/2022 8:30   | 31.9            | 1                | SSW            | 200                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 2/1/2022 9:00   | 32.4            | 2                | SSW            | 200                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 2/1/2022 9:30   | 33              | 1                | SSW            | 200                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 2/1/2022 10:00  | 34.5            | 1                | SSW            | 200                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 2/1/2022 10:30  | 36.4            | 2                | SSW            | 200                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 2/1/2022 11:00  | 38.5            | 2                | SSW            | 200                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 2/1/2022 11:30  | 39.1            | 1                | SE             | 144                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 2/1/2022 12:00  | 41.2            | 4                | S              | 171                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 2/1/2022 12:30  | 42.4            | 1                | S              | 171                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 2/1/2022 13:00  | 42.4            | 1                | SSE            | 161                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 2/1/2022 13:30  | 43.4            | 4                | SSE            | 161                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 2/1/2022 14:00  | 43.1            | 2                | NE             | 49                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 2/1/2022 14:30  | 42.7            | 0                | NE             | 44                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 2/1/2022 15:00  | 43              | 3                | SW             | 223                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 2/1/2022 15:30  | 43              | 0                | WSW            | 257                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 2/1/2022 16:00  | 42.3            | 1                | NE             | 51                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 2/1/2022 16:30  | 41.6            | 0                | NE             | 51                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 2/1/2022 17:00  | 40.8            | 0                | NE             | 51                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 2/1/2022 17:30  | 40.2            | 0                | NE             | 51                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 2/1/2022 18:00  | 39.4            | 0                | NE             | 51                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 2/1/2022 18:30  | 39.1            | 0                | NE             | 51                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 2/1/2022 19:00  | 39              | 0                | NE             | 51                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 2/1/2022 19:30  | 39.1            | 0                | NE             | 51                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 2/1/2022 20:00  | 39.1            | 0                | NE             | 51                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 2/1/2022 20:30  | 38.8            | 0                | NE             | 51                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 2/1/2022 21:00  | 38.5            | 0                | NE             | 51                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 2/1/2022 21:30  | 38.8            | 0                | NE             | 51                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 2/1/2022 22:00  | 38.4            | 0                | NE             | 51                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 2/1/2022 22:30  | 38.9            | 0                | NE             | 51                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 2/1/2022 23:00  | 38.7            | 0                | NE             | 51                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 2/1/2022 23:30  | 38.5            | 0                | NE             | 51                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 3                      |
| 2/2/2022 0:00   | 38.9            | 0                | NE             | 51                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 2/2/2022 0:30   | 39.2            | 0                | NE             | 52                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 2/2/2022 1:00   | 39.3            | 1                | SSE            | 147                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 2/2/2022 1:30   | 39.3            | 3                | S              | 180                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |

## Coffin Butte Landfill On-site Meteorological Data for Recent Odor Complaints (2022 to 2024)

| Time Stamp     | Temperature (F) | Wind Speed (mph) | Wind Direction | Wind Direction (deg) | Odor Event ID | Odor Event Date        | Odor Event Time | Odor Event Day of Week |
|----------------|-----------------|------------------|----------------|----------------------|---------------|------------------------|-----------------|------------------------|
| 2/2/2022 2:00  | 39.7            | 2                | S              | 188                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 2/2/2022 2:30  | 40              | 1                | S              | 181                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 2/2/2022 3:00  | 40.1            | 2                | SSE            | 169                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 2/2/2022 3:30  | 40              | 1                | SSE            | 169                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 2/2/2022 4:00  | 39.7            | 4                | SSE            | 169                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 2/2/2022 4:30  | 38.9            | 5                | S              | 173                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 2/2/2022 5:00  | 38.9            | 1                | SE             | 140                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 2/2/2022 5:30  | 39              | 1                | S              | 173                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 2/2/2022 6:00  | 38.9            | 2                | SSE            | 168                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 2/2/2022 6:30  | 38.9            | 8                | SSE            | 161                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 2/2/2022 7:00  | 38.8            | 3                | SSW            | 197                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 2/2/2022 7:30  | 38.7            | 2                | SSE            | 169                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 2/2/2022 8:00  | 38.9            | 3                | S              | 180                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 2/2/2022 8:30  | 39.2            | 3                | SE             | 137                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 2/2/2022 9:00  | 39.5            | 5                | SE             | 144                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 2/2/2022 9:30  | 40.3            | 4                | S              | 175                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 2/2/2022 10:00 | 40.7            | 4                | SSE            | 169                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 2/2/2022 10:30 | 41              | 5                | S              | 171                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 2/2/2022 11:00 | 41.6            | 2                | S              | 179                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 2/2/2022 11:30 | 42.2            | 4                | SSE            | 164                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 2/2/2022 12:00 | 42.9            | 4                | S              | 175                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 2/2/2022 12:30 | 44              | 3                | SSE            | 148                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 2/2/2022 13:00 | 44.1            | 4                | SE             | 136                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 2/2/2022 13:30 | 44.7            | 10               | SSE            | 169                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 2/2/2022 14:00 | 45              | 7                | SE             | 136                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 2/2/2022 14:30 | 45.4            | 6                | S              | 173                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 2/2/2022 15:00 | 45              | 5                | SSE            | 167                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 2/2/2022 15:30 | 45              | 3                | SSW            | 195                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 2/2/2022 16:00 | 45.2            | 3                | SSW            | 194                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 2/2/2022 16:30 | 45.3            | 1                | S              | 191                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 2/2/2022 17:00 | 44.8            | 3                | S              | 191                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 2/2/2022 17:30 | 43.3            | 5                | S              | 191                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 2/2/2022 18:00 | 43.1            | 3                | S              | 191                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 2/2/2022 18:30 | 42.7            | 0                | S              | 191                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 2/2/2022 19:00 | 42.1            | 0                | S              | 191                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 2/2/2022 19:30 | 42.1            | 0                | S              | 191                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 2/2/2022 20:00 | 42.2            | 1                | S              | 191                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 2/2/2022 20:30 | 42              | 2                | S              | 190                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 2/2/2022 21:00 | 42.2            | 4                | SSW            | 207                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 2/2/2022 21:30 | 42.1            | 3                | SSW            | 194                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 2/2/2022 22:00 | 42.1            | 2                | SSW            | 196                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 2/2/2022 22:30 | 41.6            | 3                | SSW            | 196                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 2/2/2022 23:00 | 41.6            | 0                | SSW            | 196                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 2/2/2022 23:30 | 41.2            | 2                | SSW            | 196                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 4                      |
| 2/3/2022 0:00  | 40.5            | 1                | SSW            | 196                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 2/3/2022 0:30  | 40.3            | 2                | SSW            | 196                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 2/3/2022 1:00  | 40              | 0                | SSW            | 196                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 2/3/2022 1:30  | 39.8            | 0                | SSW            | 196                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 2/3/2022 2:00  | 40.1            | 1                | SSW            | 196                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 2/3/2022 2:30  | 40.4            | 0                | SSW            | 196                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 2/3/2022 3:00  | 39.5            | 0                | SSW            | 196                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 2/3/2022 3:30  | 38.3            | 0                | SSW            | 196                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 2/3/2022 4:00  | 36.9            | 1                | SSW            | 196                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 2/3/2022 4:30  | 36.6            | 0                | SSW            | 196                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 2/3/2022 5:00  | 35.7            | 0                | SSW            | 196                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 2/3/2022 5:30  | 34.4            | 0                | SSW            | 196                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 2/3/2022 6:00  | 35              | 2                | SSW            | 196                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 2/3/2022 6:30  | 35.6            | 2                | SSW            | 196                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 2/3/2022 7:00  | 35.9            | 0                | SSW            | 196                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 2/3/2022 7:30  | 37              | 1                | S              | 176                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 2/3/2022 8:00  | 38.1            | 0                | SSE            | 163                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 2/3/2022 8:30  | 38.1            | 0                | SSE            | 163                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 2/3/2022 9:00  | 39.6            | 2                | SE             | 135                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 2/3/2022 9:30  | 41.5            | 0                | SSE            | 154                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 2/3/2022 10:00 | 43.4            | 2                | SSE            | 159                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 2/3/2022 10:30 | 44.7            | 5                | NNE            | 12                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 2/3/2022 11:00 | 45              | 1                | WSW            | 252                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 2/3/2022 11:30 | 48              | 4                | SW             | 225                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 2/3/2022 12:00 | 49.2            | 7                | SW             | 227                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 2/3/2022 12:30 | 49.7            | 4                | SW             | 229                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |

## Coffin Butte Landfill On-site Meteorological Data for Recent Odor Complaints (2022 to 2024)

| Time Stamp     | Temperature (F) | Wind Speed (mph) | Wind Direction | Wind Direction (deg) | Odor Event ID | Odor Event Date        | Odor Event Time | Odor Event Day of Week |
|----------------|-----------------|------------------|----------------|----------------------|---------------|------------------------|-----------------|------------------------|
| 2/3/2022 13:00 | 49.7            | 0                | SW             | 221                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 2/3/2022 13:30 | 51.1            | 0                | SW             | 221                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 2/3/2022 14:00 | 52.1            | 3                | WNW            | 292                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 2/3/2022 14:30 | 52.4            | 1                | SW             | 228                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 2/3/2022 15:00 | 53.7            | 1                | NNE            | 23                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 2/3/2022 15:30 | 52.9            | 1                | SE             | 138                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 2/3/2022 16:00 | 52.3            | 2                | N              | 5                    | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 2/3/2022 16:30 | 52.5            | 1                | N              | 5                    | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 2/3/2022 17:00 | 50.2            | 0                | N              | 11                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 2/3/2022 17:30 | 45.4            | 0                | N              | 11                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 2/3/2022 18:00 | 42.2            | 0                | N              | 11                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 2/3/2022 18:30 | 41.4            | 1                | N              | 11                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 2/3/2022 19:00 | 40.5            | 0                | N              | 11                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 2/3/2022 19:30 | 39.1            | 0                | NNE            | 13                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 2/3/2022 20:00 | 37.3            | 2                | N              | 11                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 2/3/2022 20:30 | 37.2            | 1                | N              | 11                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 2/3/2022 21:00 | 37.3            | 1                | N              | 11                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 2/3/2022 21:30 | 36.7            | 1                | N              | 11                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 2/3/2022 22:00 | 36.4            | 0                | N              | 11                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 2/3/2022 22:30 | 35              | 0                | N              | 11                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 2/3/2022 23:00 | 35.3            | 0                | N              | 11                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 2/3/2022 23:30 | 34.2            | 0                | N              | 11                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 5                      |
| 2/4/2022 0:00  | 33.5            | 0                | N              | 11                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 2/4/2022 0:30  | 33.1            | 0                | N              | 11                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 2/4/2022 1:00  | 32.9            | 0                | N              | 11                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 2/4/2022 1:30  | 32.5            | 0                | N              | 11                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 2/4/2022 2:00  | 34              | 1                | N              | 11                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 2/4/2022 2:30  | 34.7            | 0                | N              | 11                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 2/4/2022 3:00  | 35.2            | 0                | N              | 11                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 2/4/2022 3:30  | 35.7            | 2                | N              | 11                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 2/4/2022 4:00  | 35.7            | 0                | N              | 11                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 2/4/2022 4:30  | 36.3            | 0                | N              | 11                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 2/4/2022 5:00  | 36.3            | 3                | NNE            | 24                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 2/4/2022 5:30  | 36.5            | 0                | NNE            | 24                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 2/4/2022 6:00  | 37.5            | 0                | NNE            | 24                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 2/4/2022 6:30  | 37.7            | 1                | S              | 179                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 2/4/2022 7:00  | 37.4            | 0                | S              | 179                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 2/4/2022 7:30  | 37.2            | 0                | S              | 179                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 2/4/2022 8:00  | 36.6            | 0                | SSE            | 167                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 2/4/2022 8:30  | 37.2            | 3                | NNE            | 32                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 2/4/2022 9:00  | 37.7            | 0                | S              | 184                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 2/4/2022 9:30  | 38.1            | 3                | NNE            | 30                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 2/4/2022 10:00 | 38.8            | 4                | NNE            | 27                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 2/4/2022 10:30 | 40.2            | 2                | NNE            | 27                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 2/4/2022 11:00 | 41.4            | 4                | NNE            | 27                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 2/4/2022 11:30 | 42.7            | 3                | N              | 360                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 2/4/2022 12:00 | 42.8            | 4                | SSE            | 148                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 2/4/2022 12:30 | 43              | 6                | SSE            | 159                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 2/4/2022 13:00 | 44.7            | 1                | ESE            | 118                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 2/4/2022 13:30 | 46.4            | 0                | SSE            | 168                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 2/4/2022 14:00 | 45.5            | 2                | SSE            | 165                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 2/4/2022 14:30 | 45.6            | 2                | SSE            | 165                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 2/4/2022 15:00 | 46              | 4                | SSE            | 166                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 2/4/2022 15:30 | 46.8            | 4                | SSE            | 161                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 2/4/2022 16:00 | 47.9            | 5                | SSW            | 214                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 2/4/2022 16:30 | 47.7            | 2                | S              | 187                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 2/4/2022 17:00 | 47.2            | 1                | S              | 187                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 2/4/2022 17:30 | 46.6            | 0                | S              | 187                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 2/4/2022 18:00 | 46.3            | 0                | S              | 187                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 2/4/2022 18:30 | 46.4            | 0                | S              | 187                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 2/4/2022 19:00 | 46.2            | 0                | S              | 187                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 2/4/2022 19:30 | 45              | 0                | S              | 187                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 2/4/2022 20:00 | 43.9            | 0                | S              | 187                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 2/4/2022 20:30 | 43.9            | 0                | S              | 187                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 2/4/2022 21:00 | 43.9            | 0                | S              | 187                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 2/4/2022 21:30 | 44.9            | 3                | SE             | 143                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 2/4/2022 22:00 | 45.3            | 2                | SSE            | 151                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 2/4/2022 22:30 | 43.4            | 0                | S              | 179                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 2/4/2022 23:00 | 43              | 0                | S              | 179                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |
| 2/4/2022 23:30 | 43              | 0                | S              | 179                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 6                      |

## Coffin Butte Landfill On-site Meteorological Data for Recent Odor Complaints (2022 to 2024)

| Time Stamp     | Temperature (F) | Wind Speed (mph) | Wind Direction | Wind Direction (deg) | Odor Event ID | Odor Event Date        | Odor Event Time | Odor Event Day of Week |
|----------------|-----------------|------------------|----------------|----------------------|---------------|------------------------|-----------------|------------------------|
| 2/5/2022 0:00  | 41.4            | 0                | S              | 179                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 2/5/2022 0:30  | 41.5            | 0                | S              | 179                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 2/5/2022 1:00  | 39.8            | 0                | S              | 179                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 2/5/2022 1:30  | 41.6            | 1                | NE             | 36                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 2/5/2022 2:00  | 40.8            | 0                | SSE            | 165                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 2/5/2022 2:30  | 40.4            | 0                | SSE            | 165                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 2/5/2022 3:00  | 40.7            | 0                | SSE            | 165                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 2/5/2022 3:30  | 40.3            | 0                | SSE            | 165                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 2/5/2022 4:00  | 41.1            | 0                | SSE            | 165                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 2/5/2022 4:30  | 40.4            | 0                | SSE            | 165                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 2/5/2022 5:00  | 37.8            | 0                | SSE            | 165                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 2/5/2022 5:30  | 39.7            | 2                | NNE            | 22                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 2/5/2022 6:00  | 40.1            | 2                | NNE            | 23                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 2/5/2022 6:30  | 41.1            | 1                | NNW            | 336                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 2/5/2022 7:00  | 41.7            | 0                | NNW            | 333                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 2/5/2022 7:30  | 41.3            | 0                | NNW            | 333                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 2/5/2022 8:00  | 41.4            | 0                | ESE            | 115                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 2/5/2022 8:30  | 41.6            | 0                | SSW            | 194                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 2/5/2022 9:00  | 42.1            | 4                | SSW            | 193                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 2/5/2022 9:30  | 42.7            | 1                | WSW            | 238                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 2/5/2022 10:00 | 43.4            | 10               | NNE            | 24                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 2/5/2022 10:30 | 44.3            | 8                | NNE            | 19                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 2/5/2022 11:00 | 44.9            | 7                | NNE            | 17                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 2/5/2022 11:30 | 45.8            | 5                | NE             | 40                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 2/5/2022 12:00 | 46.4            | 3                | N              | 5                    | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 2/5/2022 12:30 | 47              | 6                | NNE            | 30                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 2/5/2022 13:00 | 47.4            | 4                | WSW            | 256                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 2/5/2022 13:30 | 47.1            | 3                | W              | 261                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 2/5/2022 14:00 | 47.7            | 4                | W              | 267                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 2/5/2022 14:30 | 48              | 1                | WSW            | 254                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 2/5/2022 15:00 | 48.3            | 10               | WSW            | 252                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 2/5/2022 15:30 | 48.9            | 1                | WSW            | 254                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 2/5/2022 16:00 | 48.2            | 2                | SSW            | 205                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 2/5/2022 16:30 | 48.2            | 3                | NNE            | 17                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 2/5/2022 17:00 | 46.6            | 3                | E              | 85                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 2/5/2022 17:30 | 45.5            | 2                | S              | 188                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 2/5/2022 18:00 | 44.3            | 2                | SSW            | 209                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 2/5/2022 18:30 | 44.2            | 4                | S              | 171                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 2/5/2022 19:00 | 44              | 3                | WSW            | 250                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 2/5/2022 19:30 | 43.6            | 2                | SW             | 233                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 2/5/2022 20:00 | 43.6            | 1                | E              | 96                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 2/5/2022 20:30 | 44              | 5                | W              | 262                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 2/5/2022 21:00 | 43.7            | 3                | SW             | 234                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 2/5/2022 21:30 | 43.4            | 1                | W              | 265                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 2/5/2022 22:00 | 42.3            | 1                | ESE            | 120                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 2/5/2022 22:30 | 42.5            | 0                | ESE            | 119                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 2/5/2022 23:00 | 40.8            | 0                | ESE            | 119                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 2/5/2022 23:30 | 40.4            | 0                | ESE            | 119                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 7                      |
| 2/6/2022 0:00  | 39.7            | 0                | ESE            | 119                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 2/6/2022 0:30  | 36              | 0                | ESE            | 119                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 2/6/2022 1:00  | 33.7            | 0                | ESE            | 119                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 2/6/2022 1:30  | 32.3            | 0                | ESE            | 119                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 2/6/2022 2:00  | 32.3            | 0                | ESE            | 119                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 2/6/2022 2:30  | 32.7            | 0                | ESE            | 119                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 2/6/2022 3:00  | 32.1            | 0                | ESE            | 119                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 2/6/2022 3:30  | 30.8            | 2                | ESE            | 119                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 2/6/2022 4:00  | 31              | 2                | ESE            | 119                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 2/6/2022 4:30  | 30.8            | 1                | ESE            | 119                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 2/6/2022 5:00  | 32.1            | 0                | ESE            | 119                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 2/6/2022 5:30  | 31.6            | 0                | ESE            | 119                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 2/6/2022 6:00  | 31.4            | 0                | ESE            | 119                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 2/6/2022 6:30  | 29.3            | 0                | NE             | 48                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 2/6/2022 7:00  | 29              | 0                | NE             | 48                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 2/6/2022 7:30  | 30.9            | 0                | NE             | 48                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 2/6/2022 8:00  | 29.5            | 3                | NNE            | 33                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 2/6/2022 8:30  | 30.1            | 0                | NNE            | 33                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 2/6/2022 9:00  | 31.5            | 1                | NNE            | 33                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 2/6/2022 9:30  | 31.6            | 2                | NE             | 38                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 2/6/2022 10:00 | 33.2            | 1                | NE             | 38                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 2/6/2022 10:30 | 36.7            | 0                | NE             | 36                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |

## Coffin Butte Landfill On-site Meteorological Data for Recent Odor Complaints (2022 to 2024)

| Time Stamp     | Temperature (F) | Wind Speed (mph) | Wind Direction | Wind Direction (deg) | Odor Event ID | Odor Event Date        | Odor Event Time | Odor Event Day of Week |
|----------------|-----------------|------------------|----------------|----------------------|---------------|------------------------|-----------------|------------------------|
| 2/6/2022 11:00 | 38.7            | 3                | NNE            | 30                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 2/6/2022 11:30 | 39.9            | 4                | NNE            | 32                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 2/6/2022 12:00 | 41.4            | 5                | NNE            | 21                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 2/6/2022 12:30 | 41.1            | 2                | NNE            | 26                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 2/6/2022 13:00 | 42.8            | 3                | NNE            | 20                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 2/6/2022 13:30 | 44.5            | 3                | NNE            | 28                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 2/6/2022 14:00 | 46.9            | 2                | NNE            | 34                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 2/6/2022 14:30 | 47.7            | 4                | NNE            | 21                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 2/6/2022 15:00 | 48.6            | 3                | NNE            | 20                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 2/6/2022 15:30 | 49.3            | 3                | NNE            | 20                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 2/6/2022 16:00 | 49              | 2                | NNE            | 20                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 2/6/2022 16:30 | 49.1            | 3                | NNE            | 20                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 2/6/2022 17:00 | 46.2            | 2                | NNE            | 20                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 2/6/2022 17:30 | 43              | 0                | NNE            | 20                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 2/6/2022 18:00 | 40.9            | 0                | NNE            | 20                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 2/6/2022 18:30 | 39.9            | 0                | NNE            | 20                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 2/6/2022 19:00 | 39.9            | 0                | NNE            | 20                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 2/6/2022 19:30 | 38.6            | 0                | NNE            | 20                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 2/6/2022 20:00 | 36.4            | 1                | NNE            | 20                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 2/6/2022 20:30 | 35.5            | 1                | NNE            | 19                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 2/6/2022 21:00 | 36              | 2                | NNE            | 29                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 2/6/2022 21:30 | 35.3            | 0                | NNE            | 29                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 2/6/2022 22:00 | 34              | 4                | NNE            | 29                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 2/6/2022 22:30 | 36.7            | 2                | NNE            | 30                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 2/6/2022 23:00 | 34.5            | 3                | SE             | 126                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 2/6/2022 23:30 | 32.4            | 1                | SE             | 144                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 1                      |
| 2/7/2022 0:00  | 31              | 0                | SE             | 144                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 2/7/2022 0:30  | 32.3            | 0                | SE             | 145                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 2/7/2022 1:00  | 31.7            | 0                | SE             | 145                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 2/7/2022 1:30  | 31.5            | 0                | SSE            | 150                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 2/7/2022 2:00  | 31.3            | 3                | NE             | 46                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 2/7/2022 2:30  | 30.9            | 0                | S              | 178                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 2/7/2022 3:00  | 31.8            | 0                | S              | 175                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 2/7/2022 3:30  | 32.3            | 2                | S              | 175                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 2/7/2022 4:00  | 32.8            | 2                | S              | 177                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 2/7/2022 4:30  | 33              | 0                | S              | 177                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 2/7/2022 5:00  | 32.8            | 0                | S              | 177                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 2/7/2022 5:30  | 32.8            | 3                | NNE            | 29                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 2/7/2022 6:00  | 32.3            | 0                | NE             | 40                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 2/7/2022 6:30  | 32.4            | 3                | WSW            | 251                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 2/7/2022 7:00  | 32.1            | 0                | SW             | 229                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 2/7/2022 7:30  | 32.8            | 2                | SW             | 229                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 2/7/2022 8:00  | 33.7            | 4                | NE             | 41                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 2/7/2022 8:30  | 35.5            | 3                | NNE            | 32                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 2/7/2022 9:00  | 35.7            | 0                | WSW            | 241                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 2/7/2022 9:30  | 37.8            | 0                | WSW            | 242                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 2/7/2022 10:00 | 38.9            | 1                | WSW            | 242                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 2/7/2022 10:30 | 40.3            | 1                | WSW            | 242                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 2/7/2022 11:00 | 42.5            | 0                | WSW            | 242                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 2/7/2022 11:30 | 43.6            | 2                | WSW            | 242                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 2/7/2022 12:00 | 46.6            | 1                | WSW            | 243                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 2/7/2022 12:30 | 49.2            | 4                | NNE            | 28                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 2/7/2022 13:00 | 51.3            | 2                | NNE            | 28                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 2/7/2022 13:30 | 52.6            | 4                | NNE            | 30                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 2/7/2022 14:00 | 53              | 1                | NNW            | 339                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 2/7/2022 14:30 | 52.9            | 2                | N              | 355                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 2/7/2022 15:00 | 52.9            | 0                | N              | 355                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 2/7/2022 15:30 | 52.4            | 0                | N              | 355                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 2/7/2022 16:00 | 52.9            | 4                | NNE            | 28                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 2/7/2022 16:30 | 53.5            | 2                | NNE            | 31                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 2/7/2022 17:00 | 52.9            | 0                | NNE            | 28                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 2/7/2022 17:30 | 51.2            | 2                | NE             | 40                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 2/7/2022 18:00 | 49.3            | 0                | NE             | 40                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 2/7/2022 18:30 | 47              | 0                | NE             | 40                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 2/7/2022 19:00 | 44.9            | 1                | NE             | 40                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 2/7/2022 19:30 | 42.8            | 0                | NE             | 40                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 2/7/2022 20:00 | 41.9            | 0                | NE             | 41                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 2/7/2022 20:30 | 41.7            | 2                | NE             | 47                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 2/7/2022 21:00 | 42.2            | 0                | NE             | 48                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 2/7/2022 21:30 | 39.5            | 0                | ENE            | 76                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |

## Coffin Butte Landfill On-site Meteorological Data for Recent Odor Complaints (2022 to 2024)

| Time Stamp     | Temperature (F) | Wind Speed (mph) | Wind Direction | Wind Direction (deg) | Odor Event ID | Odor Event Date        | Odor Event Time | Odor Event Day of Week |
|----------------|-----------------|------------------|----------------|----------------------|---------------|------------------------|-----------------|------------------------|
| 2/7/2022 22:00 | 38.3            | 2                | E              | 84                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 2/7/2022 22:30 | 37.3            | 2                | E              | 84                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 2/7/2022 23:00 | 36.1            | 2                | E              | 84                   | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
| 2/7/2022 23:30 | 34.7            | 2                | SW             | 227                  | 1             | 11/18/2021 to 2/7/2022 | (not specified) | 2                      |
|                |                 |                  |                |                      |               |                        |                 |                        |
| 7/1/2022 0:00  | 58              | 2                | S              | 188                  |               |                        |                 | 6                      |
| 7/1/2022 0:30  | 57.3            | 2                | SW             | 215                  |               |                        |                 | 6                      |
| 7/1/2022 1:00  | 56.3            | 0                | SW             | 215                  |               |                        |                 | 6                      |
| 7/1/2022 1:30  | 55.1            | 0                | SW             | 215                  |               |                        |                 | 6                      |
| 7/1/2022 2:00  | 54              | 0                | SW             | 215                  |               |                        |                 | 6                      |
| 7/1/2022 2:30  | 53.1            | 0                | SW             | 215                  |               |                        |                 | 6                      |
| 7/1/2022 3:00  | 52.3            | 0                | SW             | 215                  |               |                        |                 | 6                      |
| 7/1/2022 3:30  | 51.9            | 0                | SW             | 215                  |               |                        |                 | 6                      |
| 7/1/2022 4:00  | 51.3            | 0                | SW             | 215                  |               |                        |                 | 6                      |
| 7/1/2022 4:30  | 50.7            | 0                | SW             | 215                  |               |                        |                 | 6                      |
| 7/1/2022 5:00  | 50.5            | 0                | SW             | 215                  |               |                        |                 | 6                      |
| 7/1/2022 5:30  | 50.6            | 0                | SW             | 215                  |               |                        |                 | 6                      |
| 7/1/2022 6:00  | 49.7            | 0                | SW             | 215                  |               |                        |                 | 6                      |
| 7/1/2022 6:30  | 51.5            | 0                | SW             | 215                  |               |                        |                 | 6                      |
| 7/1/2022 7:00  | 53.5            | 0                | SW             | 215                  |               |                        |                 | 6                      |
| 7/1/2022 7:30  | 55.7            | 1                | SW             | 217                  |               |                        |                 | 6                      |
| 7/1/2022 8:00  | 56.9            | 0                | SW             | 217                  |               |                        |                 | 6                      |
| 7/1/2022 8:30  | 58.3            | 0                | SW             | 217                  |               |                        |                 | 6                      |
| 7/1/2022 9:00  | 59.9            | 3                | SW             | 219                  |               |                        |                 | 6                      |
| 7/1/2022 9:30  | 61.4            | 1                | SW             | 224                  |               |                        |                 | 6                      |
| 7/1/2022 10:00 | 62.8            | 0                | SW             | 228                  | 2             | 7/1/2022               | 10:00 AM        | 6                      |
| 7/1/2022 10:30 | 64.6            | 0                | SW             | 229                  |               |                        |                 | 6                      |
| 7/1/2022 11:00 | 67.3            | 4                | NNW            | 342                  |               |                        |                 | 6                      |
| 7/1/2022 11:30 | 67.3            | 3                | NNW            | 342                  |               |                        |                 | 6                      |
| 7/1/2022 12:00 | 68.1            | 2                | NNW            | 340                  |               |                        |                 | 6                      |
| 7/1/2022 12:30 | 68.6            | 7                | NNE            | 19                   |               |                        |                 | 6                      |
| 7/1/2022 13:00 | 69.8            | 2                | NW             | 326                  |               |                        |                 | 6                      |
| 7/1/2022 13:30 | 71.9            | 2                | NW             | 306                  |               |                        |                 | 6                      |
| 7/1/2022 14:00 | 71.7            | 1                | W              | 275                  |               |                        |                 | 6                      |
| 7/1/2022 14:30 | 73.4            | 6                | SW             | 218                  |               |                        |                 | 6                      |
| 7/1/2022 15:00 | 74.4            | 4                | ENE            | 57                   |               |                        |                 | 6                      |
| 7/1/2022 15:30 | 75.2            | 3                | SSW            | 207                  |               |                        |                 | 6                      |
| 7/1/2022 16:00 | 75.8            | 8                | N              | 5                    |               |                        |                 | 6                      |
| 7/1/2022 16:30 | 76.5            | 7                | NNE            | 12                   |               |                        |                 | 6                      |
| 7/1/2022 17:00 | 76.6            | 1                | NNW            | 338                  |               |                        |                 | 6                      |
| 7/1/2022 17:30 | 76.8            | 7                | NNE            | 18                   |               |                        |                 | 6                      |
| 7/1/2022 18:00 | 77.1            | 1                | SW             | 228                  |               |                        |                 | 6                      |
| 7/1/2022 18:30 | 76.6            | 1                | NW             | 305                  |               |                        |                 | 6                      |
| 7/1/2022 19:00 | 76              | 4                | SW             | 234                  |               |                        |                 | 6                      |
| 7/1/2022 19:30 | 74.5            | 2                | WSW            | 254                  |               |                        |                 | 6                      |
| 7/1/2022 20:00 | 70.4            | 2                | SSW            | 199                  |               |                        |                 | 6                      |
| 7/1/2022 20:30 | 66.2            | 6                | SW             | 223                  |               |                        |                 | 6                      |
| 7/1/2022 21:00 | 63.7            | 6                | SSW            | 211                  |               |                        |                 | 6                      |
| 7/1/2022 21:30 | 61.9            | 4                | SSW            | 201                  |               |                        |                 | 6                      |
| 7/1/2022 22:00 | 60.5            | 3                | SSW            | 197                  |               |                        |                 | 6                      |
| 7/1/2022 22:30 | 59.3            | 3                | SSW            | 200                  |               |                        |                 | 6                      |
| 7/1/2022 23:00 | 58.2            | 3                | SSW            | 200                  |               |                        |                 | 6                      |
| 7/1/2022 23:30 | 57.7            | 3                | SSW            | 195                  |               |                        |                 | 6                      |
|                |                 |                  |                |                      |               |                        |                 |                        |
| 7/26/2022 0:00 | 66              | 2                | SW             | 232                  |               |                        |                 | 3                      |
| 7/26/2022 0:30 | 65.6            | 2                | SW             | 232                  |               |                        |                 | 3                      |
| 7/26/2022 1:00 | 64.5            | 2                | SW             | 232                  |               |                        |                 | 3                      |
| 7/26/2022 1:30 | 64              | 1                | SW             | 232                  |               |                        |                 | 3                      |
| 7/26/2022 2:00 | 62.7            | 1                | SW             | 232                  |               |                        |                 | 3                      |
| 7/26/2022 2:30 | 63.7            | 0                | SW             | 232                  |               |                        |                 | 3                      |
| 7/26/2022 3:00 | 62              | 0                | SW             | 232                  |               |                        |                 | 3                      |
| 7/26/2022 3:30 | 60.9            | 0                | SW             | 232                  |               |                        |                 | 3                      |
| 7/26/2022 4:00 | 60.1            | 0                | SW             | 232                  |               |                        |                 | 3                      |
| 7/26/2022 4:30 | 59              | 0                | SW             | 232                  |               |                        |                 | 3                      |
| 7/26/2022 5:00 | 58.2            | 0                | SW             | 232                  |               |                        |                 | 3                      |
| 7/26/2022 5:30 | 58              | 0                | SW             | 232                  |               |                        |                 | 3                      |
| 7/26/2022 6:00 | 57.5            | 0                | SW             | 232                  |               |                        |                 | 3                      |
| 7/26/2022 6:30 | 57.8            | 0                | SW             | 232                  |               |                        |                 | 3                      |
| 7/26/2022 7:00 | 58.9            | 0                | SW             | 232                  |               |                        |                 | 3                      |
| 7/26/2022 7:30 | 60.7            | 0                | SW             | 232                  |               |                        |                 | 3                      |

## Coffin Butte Landfill On-site Meteorological Data for Recent Odor Complaints (2022 to 2024)

| Time Stamp      | Temperature (F) | Wind Speed (mph) | Wind Direction | Wind Direction (deg) | Odor Event ID | Odor Event Date | Odor Event Time | Odor Event Day of Week |
|-----------------|-----------------|------------------|----------------|----------------------|---------------|-----------------|-----------------|------------------------|
| 7/26/2022 8:00  | 63.8            | 1                | SW             | 232                  | 3             | 7/26/2022       | 8:00 AM         | 3                      |
| 7/26/2022 8:30  | 67.9            | 0                | SW             | 232                  |               |                 |                 | 3                      |
| 7/26/2022 9:00  | 72.8            | 1                | N              | 355                  |               |                 |                 | 3                      |
| 7/26/2022 9:30  | 76              | 3                | NE             | 38                   |               |                 |                 | 3                      |
| 7/26/2022 10:00 | 78.7            | 3                | NNE            | 23                   |               |                 |                 | 3                      |
| 7/26/2022 10:30 | 81.2            | 1                | NNE            | 27                   |               |                 |                 | 3                      |
| 7/26/2022 11:00 | 82.9            | 4                | N              | 9                    |               |                 |                 | 3                      |
| 7/26/2022 11:30 | 84.7            | 2                | E              | 94                   |               |                 |                 | 3                      |
| 7/26/2022 12:00 | 86.8            | 4                | N              | 5                    |               |                 |                 | 3                      |
| 7/26/2022 12:30 | 88.1            | 2                | NNE            | 19                   |               |                 |                 | 3                      |
| 7/26/2022 13:00 | 90.4            | 5                | NNE            | 19                   |               |                 |                 | 3                      |
| 7/26/2022 13:30 | 91.5            | 2                | SSE            | 153                  |               |                 |                 | 3                      |
| 7/26/2022 14:00 | 93.2            | 2                | NNE            | 20                   |               |                 |                 | 3                      |
| 7/26/2022 14:30 | 94.3            | 1                | NE             | 53                   |               |                 |                 | 3                      |
| 7/26/2022 15:00 | 95.9            | 2                | NNE            | 14                   |               |                 |                 | 3                      |
| 7/26/2022 15:30 | 96.6            | 0                | NE             | 51                   |               |                 |                 | 3                      |
| 7/26/2022 16:00 | 97.3            | 2                | NNE            | 22                   |               |                 |                 | 3                      |
| 7/26/2022 16:30 | 97.8            | 5                | N              | 9                    |               |                 |                 | 3                      |
| 7/26/2022 17:00 | 98.2            | 2                | NE             | 18                   |               |                 |                 | 3                      |
| 7/26/2022 17:30 | 99              | 4                | SW             | 221                  |               |                 |                 | 3                      |
| 7/26/2022 18:00 | 96.7            | 3                | WSW            | 241                  |               |                 |                 | 3                      |
| 7/26/2022 18:30 | 92.6            | 5                | S              | 185                  |               |                 |                 | 3                      |
| 7/26/2022 19:00 | 89              | 4                | SW             | 215                  |               |                 |                 | 3                      |
| 7/26/2022 19:30 | 85.8            | 5                | SSW            | 194                  |               |                 |                 | 3                      |
| 7/26/2022 20:00 | 82.8            | 4                | SSW            | 203                  |               |                 |                 | 3                      |
| 7/26/2022 20:30 | 79.8            | 4                | S              | 187                  |               |                 |                 | 3                      |
| 7/26/2022 21:00 | 77.5            | 6                | S              | 188                  |               |                 |                 | 3                      |
| 7/26/2022 21:30 | 75.6            | 8                | SW             | 219                  |               |                 |                 | 3                      |
| 7/26/2022 22:00 | 74.2            | 5                | SSW            | 192                  |               |                 |                 | 3                      |
| 7/26/2022 22:30 | 73.2            | 0                | SSW            | 192                  |               |                 |                 | 3                      |
| 7/26/2022 23:00 | 70.3            | 3                | SSW            | 192                  |               |                 |                 | 3                      |
| 7/26/2022 23:30 | 70              | 0                | SSW            | 192                  |               |                 |                 | 3                      |
|                 |                 |                  |                |                      |               |                 |                 |                        |
| 7/30/2022 0:00  | 71.3            | 2                | S              | 171                  |               |                 |                 | 7                      |
| 7/30/2022 0:30  | 69.5            | 2                | S              | 171                  |               |                 |                 | 7                      |
| 7/30/2022 1:00  | 68.2            | 2                | S              | 171                  |               |                 |                 | 7                      |
| 7/30/2022 1:30  | 67              | 2                | S              | 171                  |               |                 |                 | 7                      |
| 7/30/2022 2:00  | 66.7            | 0                | S              | 171                  |               |                 |                 | 7                      |
| 7/30/2022 2:30  | 65.2            | 0                | SSE            | 165                  |               |                 |                 | 7                      |
| 7/30/2022 3:00  | 64.6            | 0                | SSE            | 163                  |               |                 |                 | 7                      |
| 7/30/2022 3:30  | 65.8            | 1                | NE             | 47                   |               |                 |                 | 7                      |
| 7/30/2022 4:00  | 65.5            | 1                | NE             | 46                   |               |                 |                 | 7                      |
| 7/30/2022 4:30  | 63.5            | 0                | NE             | 46                   |               |                 |                 | 7                      |
| 7/30/2022 5:00  | 62.7            | 0                | NE             | 46                   |               |                 |                 | 7                      |
| 7/30/2022 5:30  | 62.1            | 0                | NE             | 46                   |               |                 |                 | 7                      |
| 7/30/2022 6:00  | 63              | 0                | NE             | 46                   |               |                 |                 | 7                      |
| 7/30/2022 6:30  | 62.2            | 1                | NE             | 46                   |               |                 |                 | 7                      |
| 7/30/2022 7:00  | 62.6            | 4                | ENE            | 71                   |               |                 |                 | 7                      |
| 7/30/2022 7:30  | 64.2            | 0                | SSE            | 158                  |               |                 |                 | 7                      |
| 7/30/2022 8:00  | 67.3            | 0                | SSE            | 158                  | 4             | 7/30/2022       | 8:00 AM         | 7                      |
| 7/30/2022 8:30  | 69.2            | 2                | SSE            | 158                  |               |                 |                 | 7                      |
| 7/30/2022 9:00  | 73.1            | 0                | SSE            | 157                  |               |                 |                 | 7                      |
| 7/30/2022 9:30  | 74.2            | 4                | NE             | 46                   |               |                 |                 | 7                      |
| 7/30/2022 10:00 | 77.4            | 2                | NNE            | 30                   |               |                 |                 | 7                      |
| 7/30/2022 10:30 | 82              | 2                | NNE            | 20                   |               |                 |                 | 7                      |
| 7/30/2022 11:00 | 84.1            | 3                | NE             | 54                   |               |                 |                 | 7                      |
| 7/30/2022 11:30 | 86              | 2                | NNW            | 339                  |               |                 |                 | 7                      |
| 7/30/2022 12:00 | 87.8            | 2                | WSW            | 259                  |               |                 |                 | 7                      |
| 7/30/2022 12:30 | 88.8            | 2                | W              | 274                  |               |                 |                 | 7                      |
| 7/30/2022 13:00 | 89.4            | 11               | W              | 261                  |               |                 |                 | 7                      |
| 7/30/2022 13:30 | 92              | 7                | SSW            | 206                  |               |                 |                 | 7                      |
| 7/30/2022 14:00 | 93.5            | 4                | SW             | 232                  |               |                 |                 | 7                      |
| 7/30/2022 14:30 | 94.9            | 1                | SSW            | 205                  |               |                 |                 | 7                      |
| 7/30/2022 15:00 | 92.6            | 6                | WSW            | 245                  |               |                 |                 | 7                      |
| 7/30/2022 15:30 | 93.9            | 1                | WSW            | 254                  |               |                 |                 | 7                      |
| 7/30/2022 16:00 | 95.9            | 2                | W              | 269                  |               |                 |                 | 7                      |
| 7/30/2022 16:30 | 93.7            | 1                | SSE            | 156                  |               |                 |                 | 7                      |
| 7/30/2022 17:00 | 97.2            | 4                | NNE            | 28                   |               |                 |                 | 7                      |
| 7/30/2022 17:30 | 98.2            | 10               | NE             | 36                   |               |                 |                 | 7                      |
| 7/30/2022 18:00 | 97.5            | 6                | NE             | 37                   |               |                 |                 | 7                      |

## Coffin Butte Landfill On-site Meteorological Data for Recent Odor Complaints (2022 to 2024)

| Time Stamp      | Temperature (F) | Wind Speed (mph) | Wind Direction | Wind Direction (deg) | Odor Event ID | Odor Event Date | Odor Event Time | Odor Event Day of Week |
|-----------------|-----------------|------------------|----------------|----------------------|---------------|-----------------|-----------------|------------------------|
| 7/30/2022 18:30 | 97.7            | 5                | ENE            | 76                   |               |                 |                 | 7                      |
| 7/30/2022 19:00 | 97              | 1                | WSW            | 244                  |               |                 |                 | 7                      |
| 7/30/2022 19:30 | 91.9            | 4                | SSW            | 209                  |               |                 |                 | 7                      |
| 7/30/2022 20:00 | 87.7            | 3                | SSW            | 199                  |               |                 |                 | 7                      |
| 7/30/2022 20:30 | 84.3            | 2                | SSW            | 210                  |               |                 |                 | 7                      |
| 7/30/2022 21:00 | 80              | 4                | SSW            | 210                  |               |                 |                 | 7                      |
| 7/30/2022 21:30 | 77              | 3                | SSW            | 202                  |               |                 |                 | 7                      |
| 7/30/2022 22:00 | 76.5            | 3                | SSW            | 202                  |               |                 |                 | 7                      |
| 7/30/2022 22:30 | 74.2            | 2                | SSW            | 202                  |               |                 |                 | 7                      |
| 7/30/2022 23:00 | 71.9            | 0                | SSW            | 202                  |               |                 |                 | 7                      |
| 7/30/2022 23:30 | 73.1            | 0                | SSW            | 202                  |               |                 |                 | 7                      |
|                 |                 |                  |                |                      |               |                 |                 |                        |
| 8/15/2022 0:00  | 63.2            | 1                | SSW            | 202                  |               |                 |                 | 2                      |
| 8/15/2022 0:30  | 60.8            | 0                | SSW            | 202                  |               |                 |                 | 2                      |
| 8/15/2022 1:00  | 59              | 0                | SSW            | 202                  |               |                 |                 | 2                      |
| 8/15/2022 1:30  | 57.1            | 0                | SSW            | 202                  |               |                 |                 | 2                      |
| 8/15/2022 2:00  | 57.2            | 2                | SSW            | 202                  |               |                 |                 | 2                      |
| 8/15/2022 2:30  | 56.3            | 0                | SSW            | 202                  |               |                 |                 | 2                      |
| 8/15/2022 3:00  | 54.4            | 0                | SSW            | 202                  |               |                 |                 | 2                      |
| 8/15/2022 3:30  | 53.6            | 0                | SSW            | 202                  |               |                 |                 | 2                      |
| 8/15/2022 4:00  | 53.7            | 1                | SSW            | 202                  |               |                 |                 | 2                      |
| 8/15/2022 4:30  | 52.8            | 0                | SSW            | 202                  |               |                 |                 | 2                      |
| 8/15/2022 5:00  | 51.6            | 0                | SSW            | 202                  |               |                 |                 | 2                      |
| 8/15/2022 5:30  | 51.7            | 0                | SSW            | 202                  |               |                 |                 | 2                      |
| 8/15/2022 6:00  | 51.5            | 0                | SSW            | 202                  |               |                 |                 | 2                      |
| 8/15/2022 6:30  | 51.3            | 0                | SSW            | 202                  |               |                 |                 | 2                      |
| 8/15/2022 7:00  | 51.6            | 0                | SSW            | 202                  |               |                 |                 | 2                      |
| 8/15/2022 7:30  | 53.3            | 0                | SSW            | 202                  |               |                 |                 | 2                      |
| 8/15/2022 8:00  | 55.6            | 0                | SSW            | 202                  |               |                 |                 | 2                      |
| 8/15/2022 8:30  | 58.1            | 0                | NNE            | 26                   |               |                 |                 | 2                      |
| 8/15/2022 9:00  | 62              | 5                | S              | 187                  | 5             | 8/15/2022       | 9:13 AM         | 2                      |
| 8/15/2022 9:30  | 67.7            | 1                | SW             | 227                  |               |                 |                 | 2                      |
| 8/15/2022 10:00 | 70.2            | 2                | NW             | 314                  |               |                 |                 | 2                      |
| 8/15/2022 10:30 | 72.7            | 1                | WSW            | 256                  |               |                 |                 | 2                      |
| 8/15/2022 11:00 | 75.2            | 2                | NNW            | 335                  |               |                 |                 | 2                      |
| 8/15/2022 11:30 | 77.1            | 4                | N              | 5                    |               |                 |                 | 2                      |
| 8/15/2022 12:00 | 78.4            | 1                | WSW            | 256                  |               |                 |                 | 2                      |
| 8/15/2022 12:30 | 79.8            | 3                | SSW            | 212                  |               |                 |                 | 2                      |
| 8/15/2022 13:00 | 81              | 1                | SW             | 228                  |               |                 |                 | 2                      |
| 8/15/2022 13:30 | 82.6            | 4                | SSE            | 168                  |               |                 |                 | 2                      |
| 8/15/2022 14:00 | 84              | 4                | NNW            | 332                  |               |                 |                 | 2                      |
| 8/15/2022 14:30 | 85.4            | 5                | SW             | 225                  |               |                 |                 | 2                      |
| 8/15/2022 15:00 | 86.8            | 2                | SW             | 236                  |               |                 |                 | 2                      |
| 8/15/2022 15:30 | 87.1            | 3                | ESE            | 110                  |               |                 |                 | 2                      |
| 8/15/2022 16:00 | 88              | 2                | WSW            | 250                  |               |                 |                 | 2                      |
| 8/15/2022 16:30 | 88.4            | 1                | WSW            | 257                  |               |                 |                 | 2                      |
| 8/15/2022 17:00 | 87.5            | 3                | SW             | 230                  |               |                 |                 | 2                      |
| 8/15/2022 17:30 | 86.7            | 5                | SW             | 225                  |               |                 |                 | 2                      |
| 8/15/2022 18:00 | 85.7            | 4                | WSW            | 248                  |               |                 |                 | 2                      |
| 8/15/2022 18:30 | 83.5            | 7                | S              | 188                  |               |                 |                 | 2                      |
| 8/15/2022 19:00 | 80.6            | 8                | S              | 178                  |               |                 |                 | 2                      |
| 8/15/2022 19:30 | 78.5            | 6                | SSW            | 203                  |               |                 |                 | 2                      |
| 8/15/2022 20:00 | 74.9            | 4                | S              | 185                  |               |                 |                 | 2                      |
| 8/15/2022 20:30 | 72.2            | 8                | WSW            | 252                  |               |                 |                 | 2                      |
| 8/15/2022 21:00 | 70.3            | 3                | SSW            | 198                  |               |                 |                 | 2                      |
| 8/15/2022 21:30 | 68.8            | 3                | SSW            | 200                  |               |                 |                 | 2                      |
| 8/15/2022 22:00 | 67.9            | 2                | SSW            | 209                  |               |                 |                 | 2                      |
| 8/15/2022 22:30 | 66.2            | 3                | SSW            | 209                  |               |                 |                 | 2                      |
| 8/15/2022 23:00 | 62.4            | 1                | SSW            | 209                  |               |                 |                 | 2                      |
| 8/15/2022 23:30 | 63.3            | 0                | SSW            | 209                  |               |                 |                 | 2                      |
|                 |                 |                  |                |                      |               |                 |                 |                        |
| 8/17/2022 0:00  | 75.1            | 1                | SSE            | 161                  | 6             | 8/17/2022       | (not specified) | 4                      |
| 8/17/2022 0:30  | 74.6            | 3                | SW             | 216                  | 6             | 8/17/2022       | (not specified) | 4                      |
| 8/17/2022 1:00  | 73.6            | 3                | SW             | 219                  | 6             | 8/17/2022       | (not specified) | 4                      |
| 8/17/2022 1:30  | 71.9            | 5                | SSE            | 164                  | 6             | 8/17/2022       | (not specified) | 4                      |
| 8/17/2022 2:00  | 69.4            | 1                | S              | 176                  | 6             | 8/17/2022       | (not specified) | 4                      |
| 8/17/2022 2:30  | 71              | 2                | NE             | 38                   | 6             | 8/17/2022       | (not specified) | 4                      |
| 8/17/2022 3:00  | 71.2            | 2                | ENE            | 64                   | 6             | 8/17/2022       | (not specified) | 4                      |
| 8/17/2022 3:30  | 71.1            | 2                | NNW            | 331                  | 6             | 8/17/2022       | (not specified) | 4                      |
| 8/17/2022 4:00  | 70.4            | 0                | NW             | 308                  | 6             | 8/17/2022       | (not specified) | 4                      |

## Coffin Butte Landfill On-site Meteorological Data for Recent Odor Complaints (2022 to 2024)

| Time Stamp       | Temperature (F) | Wind Speed (mph) | Wind Direction | Wind Direction (deg) | Odor Event ID | Odor Event Date | Odor Event Time | Odor Event Day of Week |
|------------------|-----------------|------------------|----------------|----------------------|---------------|-----------------|-----------------|------------------------|
| 8/17/2022 4:30   | 69.3            | 1                | W              | 269                  | 6             | 8/17/2022       | (not specified) | 4                      |
| 8/17/2022 5:00   | 64.2            | 0                | W              | 263                  | 6             | 8/17/2022       | (not specified) | 4                      |
| 8/17/2022 5:30   | 61.4            | 0                | W              | 263                  | 6             | 8/17/2022       | (not specified) | 4                      |
| 8/17/2022 6:00   | 61.6            | 0                | NNW            | 342                  | 6             | 8/17/2022       | (not specified) | 4                      |
| 8/17/2022 6:30   | 60.4            | 1                | WNW            | 298                  | 6             | 8/17/2022       | (not specified) | 4                      |
| 8/17/2022 7:00   | 58              | 2                | WNW            | 298                  | 6             | 8/17/2022       | (not specified) | 4                      |
| 8/17/2022 7:30   | 59.1            | 0                | WNW            | 298                  | 6             | 8/17/2022       | (not specified) | 4                      |
| 8/17/2022 8:00   | 62.1            | 0                | WNW            | 290                  | 6             | 8/17/2022       | (not specified) | 4                      |
| 8/17/2022 8:30   | 68.7            | 1                | NNW            | 329                  | 6             | 8/17/2022       | (not specified) | 4                      |
| 8/17/2022 9:00   | 70.1            | 1                | NNW            | 327                  | 6             | 8/17/2022       | (not specified) | 4                      |
| 8/17/2022 9:30   | 72.4            | 5                | SW             | 232                  | 6             | 8/17/2022       | (not specified) | 4                      |
| 8/17/2022 10:00  | 74              | 2                | WSW            | 256                  | 6             | 8/17/2022       | (not specified) | 4                      |
| 8/17/2022 10:30  | 76.7            | 2                | W              | 275                  | 6             | 8/17/2022       | (not specified) | 4                      |
| 8/17/2022 11:00  | 78.6            | 4                | NNW            | 341                  | 6             | 8/17/2022       | (not specified) | 4                      |
| 8/17/2022 11:30  | 81.1            | 2                | NE             | 44                   | 6             | 8/17/2022       | (not specified) | 4                      |
| 8/17/2022 12:00  | 83.1            | 6                | NE             | 50                   | 6             | 8/17/2022       | (not specified) | 4                      |
| 8/17/2022 12:30  | 84.6            | 3                | N              | 5                    | 6             | 8/17/2022       | (not specified) | 4                      |
| 8/17/2022 13:00  | 85.4            | 3                | NE             | 48                   | 6             | 8/17/2022       | (not specified) | 4                      |
| 8/17/2022 13:30  | 85.7            | 1                | NNE            | 15                   | 6             | 8/17/2022       | (not specified) | 4                      |
| 8/17/2022 14:00  | 88.8            | 3                | NNE            | 19                   | 6             | 8/17/2022       | (not specified) | 4                      |
| 8/17/2022 14:30  | 89.2            | 3                | E              | 93                   | 6             | 8/17/2022       | (not specified) | 4                      |
| 8/17/2022 15:00  | 89.8            | 3                | NNE            | 14                   | 6             | 8/17/2022       | (not specified) | 4                      |
| 8/17/2022 15:30  | 91              | 3                | NNE            | 15                   | 6             | 8/17/2022       | (not specified) | 4                      |
| 8/17/2022 16:00  | 90.1            | 1                | NNE            | 23                   | 6             | 8/17/2022       | (not specified) | 4                      |
| 8/17/2022 16:30  | 92.1            | 0                | ENE            | 58                   | 6             | 8/17/2022       | (not specified) | 4                      |
| 8/17/2022 17:00  | 92.8            | 1                | WSW            | 259                  | 6             | 8/17/2022       | (not specified) | 4                      |
| 8/17/2022 17:30  | 94.7            | 0                | SW             | 228                  | 6             | 8/17/2022       | (not specified) | 4                      |
| 8/17/2022 18:00  | 94.9            | 2                | NNW            | 332                  | 6             | 8/17/2022       | (not specified) | 4                      |
| 8/17/2022 18:30  | 94.4            | 0                | NE             | 49                   | 6             | 8/17/2022       | (not specified) | 4                      |
| 8/17/2022 19:00  | 94.9            | 1                | NNE            | 17                   | 6             | 8/17/2022       | (not specified) | 4                      |
| 8/17/2022 19:30  | 91.7            | 0                | SSW            | 195                  | 6             | 8/17/2022       | (not specified) | 4                      |
| 8/17/2022 20:00  | 87.5            | 2                | SSW            | 198                  | 6             | 8/17/2022       | (not specified) | 4                      |
| 8/17/2022 20:30  | 82.5            | 0                | SSW            | 198                  | 6             | 8/17/2022       | (not specified) | 4                      |
| 8/17/2022 21:00  | 78.6            | 2                | SSW            | 198                  | 6             | 8/17/2022       | (not specified) | 4                      |
| 8/17/2022 21:30  | 77.1            | 0                | SSW            | 198                  | 6             | 8/17/2022       | (not specified) | 4                      |
| 8/17/2022 22:00  | 75.5            | 1                | SSW            | 198                  | 6             | 8/17/2022       | (not specified) | 4                      |
| 8/17/2022 22:30  | 74              | 2                | SSW            | 198                  | 6             | 8/17/2022       | (not specified) | 4                      |
| 8/17/2022 23:00  | 74.2            | 1                | SSW            | 198                  | 6             | 8/17/2022       | (not specified) | 4                      |
| 8/17/2022 23:30  | 74.4            | 2                | SW             | 224                  | 6             | 8/17/2022       | (not specified) | 4                      |
| 12/13/2022 0:00  | 33.3            | 0                | SE             | 133                  | 7             | 12/13/2022      | (not specified) | 3                      |
| 12/13/2022 0:30  | 33.1            | 1                | SE             | 133                  | 7             | 12/13/2022      | (not specified) | 3                      |
| 12/13/2022 1:00  | 32.3            | 1                | SE             | 132                  | 7             | 12/13/2022      | (not specified) | 3                      |
| 12/13/2022 1:30  | 31.9            | 0                | SE             | 133                  | 7             | 12/13/2022      | (not specified) | 3                      |
| 12/13/2022 2:00  | 32.6            | 1                | SE             | 133                  | 7             | 12/13/2022      | (not specified) | 3                      |
| 12/13/2022 2:30  | 32.9            | 1                | SE             | 133                  | 7             | 12/13/2022      | (not specified) | 3                      |
| 12/13/2022 3:00  | 33.4            | 0                | SE             | 133                  | 7             | 12/13/2022      | (not specified) | 3                      |
| 12/13/2022 3:30  | 31.4            | 1                | SE             | 133                  | 7             | 12/13/2022      | (not specified) | 3                      |
| 12/13/2022 4:00  | 31.2            | 1                | SE             | 133                  | 7             | 12/13/2022      | (not specified) | 3                      |
| 12/13/2022 4:30  | 31.9            | 1                | SE             | 133                  | 7             | 12/13/2022      | (not specified) | 3                      |
| 12/13/2022 5:00  | 32.4            | 0                | SE             | 133                  | 7             | 12/13/2022      | (not specified) | 3                      |
| 12/13/2022 5:30  | 31.7            | 0                | SE             | 133                  | 7             | 12/13/2022      | (not specified) | 3                      |
| 12/13/2022 6:00  | 31.6            | 0                | SE             | 133                  | 7             | 12/13/2022      | (not specified) | 3                      |
| 12/13/2022 6:30  | 31              | 3                | SE             | 133                  | 7             | 12/13/2022      | (not specified) | 3                      |
| 12/13/2022 7:00  | 30.7            | 1                | SE             | 132                  | 7             | 12/13/2022      | (not specified) | 3                      |
| 12/13/2022 7:30  | 31.1            | 3                | NNE            | 32                   | 7             | 12/13/2022      | (not specified) | 3                      |
| 12/13/2022 8:00  | 31.3            | 1                | NNE            | 32                   | 7             | 12/13/2022      | (not specified) | 3                      |
| 12/13/2022 8:30  | 31.3            | 2                | NNE            | 32                   | 7             | 12/13/2022      | (not specified) | 3                      |
| 12/13/2022 9:00  | 31.9            | 1                | NNE            | 32                   | 7             | 12/13/2022      | (not specified) | 3                      |
| 12/13/2022 9:30  | 32.6            | 0                | NNE            | 32                   | 7             | 12/13/2022      | (not specified) | 3                      |
| 12/13/2022 10:00 | 33.9            | 3                | NNE            | 32                   | 7             | 12/13/2022      | (not specified) | 3                      |
| 12/13/2022 10:30 | 34.7            | 3                | NNE            | 32                   | 7             | 12/13/2022      | (not specified) | 3                      |
| 12/13/2022 11:00 | 36.8            | 1                | NNE            | 34                   | 7             | 12/13/2022      | (not specified) | 3                      |
| 12/13/2022 11:30 | 38              | 4                | NNE            | 33                   | 7             | 12/13/2022      | (not specified) | 3                      |
| 12/13/2022 12:00 | 38.2            | 4                | NNE            | 24                   | 7             | 12/13/2022      | (not specified) | 3                      |
| 12/13/2022 12:30 | 39              | 1                | NNE            | 30                   | 7             | 12/13/2022      | (not specified) | 3                      |
| 12/13/2022 13:00 | 39.5            | 3                | NNE            | 29                   | 7             | 12/13/2022      | (not specified) | 3                      |
| 12/13/2022 13:30 | 40.7            | 3                | NNE            | 26                   | 7             | 12/13/2022      | (not specified) | 3                      |
| 12/13/2022 14:00 | 41.5            | 0                | NNE            | 21                   | 7             | 12/13/2022      | (not specified) | 3                      |
| 12/13/2022 14:30 | 41.7            | 2                | N              | 355                  | 7             | 12/13/2022      | (not specified) | 3                      |

## Coffin Butte Landfill On-site Meteorological Data for Recent Odor Complaints (2022 to 2024)

| Time Stamp       | Temperature (F) | Wind Speed (mph) | Wind Direction | Wind Direction (deg) | Odor Event ID | Odor Event Date | Odor Event Time | Odor Event Day of Week |
|------------------|-----------------|------------------|----------------|----------------------|---------------|-----------------|-----------------|------------------------|
| 12/13/2022 15:00 | 41.8            | 0                | NW             | 323                  | 7             | 12/13/2022      | (not specified) | 3                      |
| 12/13/2022 15:30 | 42.7            | 0                | WNW            | 300                  | 7             | 12/13/2022      | (not specified) | 3                      |
| 12/13/2022 16:00 | 42.3            | 1                | WSW            | 254                  | 7             | 12/13/2022      | (not specified) | 3                      |
| 12/13/2022 16:30 | 40.3            | 0                | WSW            | 254                  | 7             | 12/13/2022      | (not specified) | 3                      |
| 12/13/2022 17:00 | 37.9            | 0                | WSW            | 254                  | 7             | 12/13/2022      | (not specified) | 3                      |
| 12/13/2022 17:30 | 35.3            | 0                | WSW            | 254                  | 7             | 12/13/2022      | (not specified) | 3                      |
| 12/13/2022 18:00 | 34.1            | 0                | WSW            | 254                  | 7             | 12/13/2022      | (not specified) | 3                      |
| 12/13/2022 18:30 | 33.9            | 0                | WSW            | 254                  | 7             | 12/13/2022      | (not specified) | 3                      |
| 12/13/2022 19:00 | 33.9            | 0                | WSW            | 254                  | 7             | 12/13/2022      | (not specified) | 3                      |
| 12/13/2022 19:30 | 33.5            | 0                | WSW            | 254                  | 7             | 12/13/2022      | (not specified) | 3                      |
| 12/13/2022 20:00 | 33.8            | 0                | WSW            | 254                  | 7             | 12/13/2022      | (not specified) | 3                      |
| 12/13/2022 20:30 | 34.1            | 0                | WSW            | 254                  | 7             | 12/13/2022      | (not specified) | 3                      |
| 12/13/2022 21:00 | 33.4            | 0                | WSW            | 254                  | 7             | 12/13/2022      | (not specified) | 3                      |
| 12/13/2022 21:30 | 33.7            | 0                | WSW            | 254                  | 7             | 12/13/2022      | (not specified) | 3                      |
| 12/13/2022 22:00 | 31.1            | 0                | WSW            | 254                  | 7             | 12/13/2022      | (not specified) | 3                      |
| 12/13/2022 22:30 | 31.9            | 0                | WSW            | 254                  | 7             | 12/13/2022      | (not specified) | 3                      |
| 12/13/2022 23:00 | 31.5            | 0                | WSW            | 254                  | 7             | 12/13/2022      | (not specified) | 3                      |
| 12/13/2022 23:30 | 31.4            | 0                | WSW            | 254                  | 7             | 12/13/2022      | (not specified) | 3                      |
| 9/28/2023 0:00   | 52.3            | 0                | S              | 183                  | 8             | 9/28/2023       | (not specified) | 5                      |
| 9/28/2023 0:30   | 52.4            | 0                | S              | 183                  | 8             | 9/28/2023       | (not specified) | 5                      |
| 9/28/2023 1:00   | 52.4            | 1                | S              | 183                  | 8             | 9/28/2023       | (not specified) | 5                      |
| 9/28/2023 1:30   | 52.4            | 0                | S              | 183                  | 8             | 9/28/2023       | (not specified) | 5                      |
| 9/28/2023 2:00   | 52.4            | 2                | S              | 183                  | 8             | 9/28/2023       | (not specified) | 5                      |
| 9/28/2023 2:30   | 52.5            | 0                | S              | 183                  | 8             | 9/28/2023       | (not specified) | 5                      |
| 9/28/2023 3:00   | 52.2            | 0                | S              | 183                  | 8             | 9/28/2023       | (not specified) | 5                      |
| 9/28/2023 3:30   | 52.5            | 0                | S              | 183                  | 8             | 9/28/2023       | (not specified) | 5                      |
| 9/28/2023 4:00   | 52.7            | 1                | S              | 183                  | 8             | 9/28/2023       | (not specified) | 5                      |
| 9/28/2023 4:30   | 53.3            | 0                | S              | 183                  | 8             | 9/28/2023       | (not specified) | 5                      |
| 9/28/2023 5:00   | 53.7            | 1                | S              | 183                  | 8             | 9/28/2023       | (not specified) | 5                      |
| 9/28/2023 5:30   | 54              | 0                | S              | 183                  | 8             | 9/28/2023       | (not specified) | 5                      |
| 9/28/2023 6:00   | 54.1            | 4                | S              | 183                  | 8             | 9/28/2023       | (not specified) | 5                      |
| 9/28/2023 6:30   | 53.8            | 2                | S              | 183                  | 8             | 9/28/2023       | (not specified) | 5                      |
| 9/28/2023 7:00   | 53.8            | 0                | S              | 183                  | 8             | 9/28/2023       | (not specified) | 5                      |
| 9/28/2023 7:30   | 53.6            | 0                | S              | 183                  | 8             | 9/28/2023       | (not specified) | 5                      |
| 9/28/2023 8:00   | 54.1            | 1                | S              | 183                  | 8             | 9/28/2023       | (not specified) | 5                      |
| 9/28/2023 8:30   | 54.8            | 3                | S              | 183                  | 8             | 9/28/2023       | (not specified) | 5                      |
| 9/28/2023 9:00   | 55.3            | 2                | S              | 183                  | 8             | 9/28/2023       | (not specified) | 5                      |
| 9/28/2023 9:30   | 56.7            | 0                | S              | 183                  | 8             | 9/28/2023       | (not specified) | 5                      |
| 9/28/2023 10:00  | 57.7            | 3                | S              | 183                  | 8             | 9/28/2023       | (not specified) | 5                      |
| 9/28/2023 10:30  | 60.4            | 4                | S              | 183                  | 8             | 9/28/2023       | (not specified) | 5                      |
| 9/28/2023 11:00  | 60.1            | 0                | S              | 183                  | 8             | 9/28/2023       | (not specified) | 5                      |
| 9/28/2023 11:30  | 60.6            | 0                | S              | 183                  | 8             | 9/28/2023       | (not specified) | 5                      |
| 9/28/2023 12:00  | 61.4            | 1                | SSE            | 156                  | 8             | 9/28/2023       | (not specified) | 5                      |
| 9/28/2023 12:30  | 61.2            | 3                | SSW            | 205                  | 8             | 9/28/2023       | (not specified) | 5                      |
| 9/28/2023 13:00  | 62.2            | 2                | S              | 188                  | 8             | 9/28/2023       | (not specified) | 5                      |
| 9/28/2023 13:30  | 62.7            | 2                | NNE            | 26                   | 8             | 9/28/2023       | (not specified) | 5                      |
| 9/28/2023 14:00  | 62.8            | 5                | SSE            | 157                  | 8             | 9/28/2023       | (not specified) | 5                      |
| 9/28/2023 14:30  | 64.1            | 2                | S              | 182                  | 8             | 9/28/2023       | (not specified) | 5                      |
| 9/28/2023 15:00  | 63.7            | 2                | SSE            | 160                  | 8             | 9/28/2023       | (not specified) | 5                      |
| 9/28/2023 15:30  | 63.5            | 0                | SSE            | 159                  | 8             | 9/28/2023       | (not specified) | 5                      |
| 9/28/2023 16:00  | 64.1            | 1                | SSE            | 159                  | 8             | 9/28/2023       | (not specified) | 5                      |
| 9/28/2023 16:30  | 64.1            | 0                | S              | 174                  | 8             | 9/28/2023       | (not specified) | 5                      |
| 9/28/2023 17:00  | 63.8            | 0                | S              | 174                  | 8             | 9/28/2023       | (not specified) | 5                      |
| 9/28/2023 17:30  | 63.1            | 1                | S              | 174                  | 8             | 9/28/2023       | (not specified) | 5                      |
| 9/28/2023 18:00  | 62.3            | 3                | NNE            | 34                   | 8             | 9/28/2023       | (not specified) | 5                      |
| 9/28/2023 18:30  | 60.6            | 1                | NNE            | 24                   | 8             | 9/28/2023       | (not specified) | 5                      |
| 9/28/2023 19:00  | 59.3            | 0                | WNW            | 291                  | 8             | 9/28/2023       | (not specified) | 5                      |
| 9/28/2023 19:30  | 57.5            | 1                | WNW            | 291                  | 8             | 9/28/2023       | (not specified) | 5                      |
| 9/28/2023 20:00  | 57.3            | 4                | NNE            | 22                   | 8             | 9/28/2023       | (not specified) | 5                      |
| 9/28/2023 20:30  | 56.6            | 0                | NNE            | 34                   | 8             | 9/28/2023       | (not specified) | 5                      |
| 9/28/2023 21:00  | 56.2            | 0                | NNE            | 34                   | 8             | 9/28/2023       | (not specified) | 5                      |
| 9/28/2023 21:30  | 56              | 5                | NNE            | 33                   | 8             | 9/28/2023       | (not specified) | 5                      |
| 9/28/2023 22:00  | 55.9            | 2                | W              | 275                  | 8             | 9/28/2023       | (not specified) | 5                      |
| 9/28/2023 22:30  | 55.7            | 0                | W              | 275                  | 8             | 9/28/2023       | (not specified) | 5                      |
| 9/28/2023 23:00  | 55.5            | 2                | W              | 275                  | 8             | 9/28/2023       | (not specified) | 5                      |
| 9/28/2023 23:30  | 55.4            | 0                | W              | 277                  | 8             | 9/28/2023       | (not specified) | 5                      |
| 11/21/2023 0:00  | 34.2            | 3                | WSW            | 242                  | 9             | 11/21/2023      | (not specified) | 3                      |
| 11/21/2023 0:30  | 34.5            | 0                | WSW            | 242                  | 9             | 11/21/2023      | (not specified) | 3                      |

## Coffin Butte Landfill On-site Meteorological Data for Recent Odor Complaints (2022 to 2024)

| Time Stamp       | Temperature (F) | Wind Speed (mph) | Wind Direction | Wind Direction (deg) | Odor Event ID | Odor Event Date | Odor Event Time | Odor Event Day of Week |
|------------------|-----------------|------------------|----------------|----------------------|---------------|-----------------|-----------------|------------------------|
| 11/21/2023 1:00  | 34.7            | 1                | WSW            | 242                  | 9             | 11/21/2023      | (not specified) | 3                      |
| 11/21/2023 1:30  | 35              | 0                | WSW            | 242                  | 9             | 11/21/2023      | (not specified) | 3                      |
| 11/21/2023 2:00  | 35.5            | 0                | WSW            | 242                  | 9             | 11/21/2023      | (not specified) | 3                      |
| 11/21/2023 2:30  | 35.5            | 1                | WSW            | 242                  | 9             | 11/21/2023      | (not specified) | 3                      |
| 11/21/2023 3:00  | 35.8            | 0                | WSW            | 242                  | 9             | 11/21/2023      | (not specified) | 3                      |
| 11/21/2023 3:30  | 34.4            | 0                | WSW            | 242                  | 9             | 11/21/2023      | (not specified) | 3                      |
| 11/21/2023 4:00  | 34.8            | 0                | WSW            | 242                  | 9             | 11/21/2023      | (not specified) | 3                      |
| 11/21/2023 4:30  | 34.2            | 0                | WSW            | 242                  | 9             | 11/21/2023      | (not specified) | 3                      |
| 11/21/2023 5:00  | 34.8            | 0                | WSW            | 242                  | 9             | 11/21/2023      | (not specified) | 3                      |
| 11/21/2023 5:30  | 33.9            | 0                | WSW            | 242                  | 9             | 11/21/2023      | (not specified) | 3                      |
| 11/21/2023 6:00  | 34.9            | 0                | WSW            | 242                  | 9             | 11/21/2023      | (not specified) | 3                      |
| 11/21/2023 6:30  | 34.5            | 0                | WSW            | 242                  | 9             | 11/21/2023      | (not specified) | 3                      |
| 11/21/2023 7:00  | 34.7            | 0                | WSW            | 244                  | 9             | 11/21/2023      | (not specified) | 3                      |
| 11/21/2023 7:30  | 34.5            | 0                | WSW            | 244                  | 9             | 11/21/2023      | (not specified) | 3                      |
| 11/21/2023 8:00  | 33.7            | 0                | WSW            | 244                  | 9             | 11/21/2023      | (not specified) | 3                      |
| 11/21/2023 8:30  | 33.9            | 0                | WSW            | 244                  | 9             | 11/21/2023      | (not specified) | 3                      |
| 11/21/2023 9:00  | 35.2            | 1                | WSW            | 244                  | 9             | 11/21/2023      | (not specified) | 3                      |
| 11/21/2023 9:30  | 36.7            | 1                | WSW            | 245                  | 9             | 11/21/2023      | (not specified) | 3                      |
| 11/21/2023 10:00 | 37.9            | 6                | NNE            | 23                   | 9             | 11/21/2023      | (not specified) | 3                      |
| 11/21/2023 10:30 | 38.5            | 2                | S              | 172                  | 9             | 11/21/2023      | (not specified) | 3                      |
| 11/21/2023 11:00 | 39.8            | 0                | S              | 175                  | 9             | 11/21/2023      | (not specified) | 3                      |
| 11/21/2023 11:30 | 41.1            | 3                | NNE            | 18                   | 9             | 11/21/2023      | (not specified) | 3                      |
| 11/21/2023 12:00 | 43.7            | 3                | N              | 11                   | 9             | 11/21/2023      | (not specified) | 3                      |
| 11/21/2023 12:30 | 45.5            | 0                | NNE            | 17                   | 9             | 11/21/2023      | (not specified) | 3                      |
| 11/21/2023 13:00 | 46.6            | 1                | SSE            | 157                  | 9             | 11/21/2023      | (not specified) | 3                      |
| 11/21/2023 13:30 | 47.6            | 0                | SSE            | 153                  | 9             | 11/21/2023      | (not specified) | 3                      |
| 11/21/2023 14:00 | 48.1            | 3                | NNE            | 26                   | 9             | 11/21/2023      | (not specified) | 3                      |
| 11/21/2023 14:30 | 49.5            | 0                | NNE            | 21                   | 9             | 11/21/2023      | (not specified) | 3                      |
| 11/21/2023 15:00 | 50.8            | 0                | NNE            | 21                   | 9             | 11/21/2023      | (not specified) | 3                      |
| 11/21/2023 15:30 | 49.8            | 1                | NNE            | 21                   | 9             | 11/21/2023      | (not specified) | 3                      |
| 11/21/2023 16:00 | 49.6            | 1                | NNE            | 21                   | 9             | 11/21/2023      | (not specified) | 3                      |
| 11/21/2023 16:30 | 47.9            | 3                | NNE            | 21                   | 9             | 11/21/2023      | (not specified) | 3                      |
| 11/21/2023 17:00 | 44.8            | 2                | NNE            | 21                   | 9             | 11/21/2023      | (not specified) | 3                      |
| 11/21/2023 17:30 | 42.8            | 0                | NNE            | 21                   | 9             | 11/21/2023      | (not specified) | 3                      |
| 11/21/2023 18:00 | 42.1            | 0                | NNE            | 21                   | 9             | 11/21/2023      | (not specified) | 3                      |
| 11/21/2023 18:30 | 44.1            | 5                | NNE            | 22                   | 9             | 11/21/2023      | (not specified) | 3                      |
| 11/21/2023 19:00 | 45              | 4                | NNE            | 22                   | 9             | 11/21/2023      | (not specified) | 3                      |
| 11/21/2023 19:30 | 45.3            | 1                | NNE            | 22                   | 9             | 11/21/2023      | (not specified) | 3                      |
| 11/21/2023 20:00 | 44.6            | 0                | NNE            | 22                   | 9             | 11/21/2023      | (not specified) | 3                      |
| 11/21/2023 20:30 | 44.7            | 0                | NNE            | 22                   | 9             | 11/21/2023      | (not specified) | 3                      |
| 11/21/2023 21:00 | 45.4            | 0                | NNE            | 28                   | 9             | 11/21/2023      | (not specified) | 3                      |
| 11/21/2023 21:30 | 46.3            | 0                | NNE            | 28                   | 9             | 11/21/2023      | (not specified) | 3                      |
| 11/21/2023 22:00 | 46.6            | 2                | NNE            | 28                   | 9             | 11/21/2023      | (not specified) | 3                      |
| 11/21/2023 22:30 | 46.5            | 2                | NNE            | 28                   | 9             | 11/21/2023      | (not specified) | 3                      |
| 11/21/2023 23:00 | 47.1            | 1                | NNE            | 28                   | 9             | 11/21/2023      | (not specified) | 3                      |
| 11/21/2023 23:30 | 47.1            | 3                | NNE            | 28                   | 9             | 11/21/2023      | (not specified) | 3                      |
|                  |                 |                  |                |                      |               |                 |                 |                        |
| 11/29/2023 0:00  | 26.1            | 1                | NNW            | 335                  |               |                 |                 | 4                      |
| 11/29/2023 0:30  | 25.3            | 0                | NNW            | 335                  |               |                 |                 | 4                      |
| 11/29/2023 1:00  | 24              | 0                | NNW            | 335                  |               |                 |                 | 4                      |
| 11/29/2023 1:30  | 26.3            | 0                | NNW            | 335                  |               |                 |                 | 4                      |
| 11/29/2023 2:00  | 28.2            | 0                | NNW            | 335                  |               |                 |                 | 4                      |
| 11/29/2023 2:30  | 27.6            | 0                | NNW            | 335                  |               |                 |                 | 4                      |
| 11/29/2023 3:00  | 27              | 0                | NNW            | 335                  |               |                 |                 | 4                      |
| 11/29/2023 3:30  | 27.4            | 0                | NNW            | 334                  |               |                 |                 | 4                      |
| 11/29/2023 4:00  | 29              | 0                | NNW            | 334                  |               |                 |                 | 4                      |
| 11/29/2023 4:30  | 29.1            | 0                | NNW            | 334                  |               |                 |                 | 4                      |
| 11/29/2023 5:00  | 29.1            | 0                | NNW            | 334                  |               |                 |                 | 4                      |
| 11/29/2023 5:30  | 29.8            | 0                | NNW            | 334                  |               |                 |                 | 4                      |
| 11/29/2023 6:00  | 29.5            | 0                | NNW            | 334                  |               |                 |                 | 4                      |
| 11/29/2023 6:30  | 29.6            | 0                | NNW            | 334                  |               |                 |                 | 4                      |
| 11/29/2023 7:00  | 29.9            | 2                | NNE            | 20                   |               |                 |                 | 4                      |
| 11/29/2023 7:30  | 30.1            | 2                | NNE            | 20                   |               |                 |                 | 4                      |
| 11/29/2023 8:00  | 30.2            | 1                | NNE            | 20                   |               |                 |                 | 4                      |
| 11/29/2023 8:30  | 30.6            | 2                | NNE            | 19                   |               |                 |                 | 4                      |
| 11/29/2023 9:00  | 31              | 0                | NNE            | 19                   |               |                 |                 | 4                      |
| 11/29/2023 9:30  | 31.7            | 0                | NNE            | 19                   |               |                 |                 | 4                      |
| 11/29/2023 10:00 | 32.7            | 2                | NNE            | 19                   |               |                 |                 | 4                      |
| 11/29/2023 10:30 | 33.2            | 2                | NNE            | 20                   |               |                 |                 | 4                      |
| 11/29/2023 11:00 | 34.4            | 2                | NNE            | 20                   |               |                 |                 | 4                      |

## Coffin Butte Landfill On-site Meteorological Data for Recent Odor Complaints (2022 to 2024)

| Time Stamp       | Temperature (F) | Wind Speed (mph) | Wind Direction | Wind Direction (deg) | Odor Event ID | Odor Event Date | Odor Event Time | Odor Event Day of Week |
|------------------|-----------------|------------------|----------------|----------------------|---------------|-----------------|-----------------|------------------------|
| 11/29/2023 11:30 | 35.3            | 3                | NNE            | 20                   |               |                 |                 | 4                      |
| 11/29/2023 12:00 | 36.7            | 4                | NNE            | 22                   |               |                 |                 | 4                      |
| 11/29/2023 12:30 | 37.9            | 0                | NNE            | 22                   | 10            | 11/29/2023      | 12:40 PM        | 4                      |
| 11/29/2023 13:00 | 39.2            | 0                | NNE            | 18                   |               |                 |                 | 4                      |
| 11/29/2023 13:30 | 39.2            | 2                | N              | 5                    |               |                 |                 | 4                      |
| 11/29/2023 14:00 | 39.3            | 3                | N              | 5                    |               |                 |                 | 4                      |
| 11/29/2023 14:30 | 39.3            | 3                | N              | 5                    |               |                 |                 | 4                      |
| 11/29/2023 15:00 | 39.6            | 0                | N              | 5                    |               |                 |                 | 4                      |
| 11/29/2023 15:30 | 39.5            | 0                | N              | 5                    |               |                 |                 | 4                      |
| 11/29/2023 16:00 | 39.3            | 0                | N              | 5                    |               |                 |                 | 4                      |
| 11/29/2023 16:30 | 38.5            | 0                | N              | 5                    |               |                 |                 | 4                      |
| 11/29/2023 17:00 | 37.4            | 0                | N              | 5                    |               |                 |                 | 4                      |
| 11/29/2023 17:30 | 36.2            | 0                | N              | 5                    |               |                 |                 | 4                      |
| 11/29/2023 18:00 | 35.7            | 0                | N              | 5                    |               |                 |                 | 4                      |
| 11/29/2023 18:30 | 35.9            | 0                | N              | 5                    |               |                 |                 | 4                      |
| 11/29/2023 19:00 | 35.5            | 0                | N              | 5                    |               |                 |                 | 4                      |
| 11/29/2023 19:30 | 35.3            | 0                | N              | 5                    |               |                 |                 | 4                      |
| 11/29/2023 20:00 | 35.6            | 0                | N              | 5                    |               |                 |                 | 4                      |
| 11/29/2023 20:30 | 35.5            | 0                | N              | 5                    |               |                 |                 | 4                      |
| 11/29/2023 21:00 | 35.1            | 0                | N              | 5                    |               |                 |                 | 4                      |
| 11/29/2023 21:30 | 35.1            | 0                | N              | 5                    |               |                 |                 | 4                      |
| 11/29/2023 22:00 | 34.6            | 0                | N              | 5                    |               |                 |                 | 4                      |
| 11/29/2023 22:30 | 34.4            | 0                | N              | 5                    |               |                 |                 | 4                      |
| 11/29/2023 23:00 | 33.9            | 0                | N              | 5                    |               |                 |                 | 4                      |
| 11/29/2023 23:30 | 34.4            | 0                | N              | 5                    |               |                 |                 | 4                      |
|                  |                 |                  |                |                      |               |                 |                 |                        |
| 12/1/2023 0:00   | 41.6            | 3                | S              | 190                  |               |                 |                 | 6                      |
| 12/1/2023 0:30   | 41.8            | 5                | SW             | 215                  |               |                 |                 | 6                      |
| 12/1/2023 1:00   | 42.1            | 4                | WSW            | 240                  |               |                 |                 | 6                      |
| 12/1/2023 1:30   | 42.2            | 7                | S              | 171                  |               |                 |                 | 6                      |
| 12/1/2023 2:00   | 42.3            | 0                | SSW            | 198                  |               |                 |                 | 6                      |
| 12/1/2023 2:30   | 42.3            | 2                | S              | 181                  |               |                 |                 | 6                      |
| 12/1/2023 3:00   | 42.3            | 3                | SW             | 223                  |               |                 |                 | 6                      |
| 12/1/2023 3:30   | 42.4            | 4                | S              | 176                  |               |                 |                 | 6                      |
| 12/1/2023 4:00   | 42.3            | 2                | S              | 175                  |               |                 |                 | 6                      |
| 12/1/2023 4:30   | 42.5            | 3                | SSW            | 210                  |               |                 |                 | 6                      |
| 12/1/2023 5:00   | 42.7            | 8                | SSW            | 212                  |               |                 |                 | 6                      |
| 12/1/2023 5:30   | 42.7            | 3                | S              | 180                  |               |                 |                 | 6                      |
| 12/1/2023 6:00   | 43.3            | 3                | SSW            | 200                  |               |                 |                 | 6                      |
| 12/1/2023 6:30   | 43.4            | 4                | SSW            | 194                  |               |                 |                 | 6                      |
| 12/1/2023 7:00   | 43.3            | 7                | S              | 173                  |               |                 |                 | 6                      |
| 12/1/2023 7:30   | 44.5            | 7                | SSW            | 194                  |               |                 |                 | 6                      |
| 12/1/2023 8:00   | 46.7            | 5                | S              | 173                  |               |                 |                 | 6                      |
| 12/1/2023 8:30   | 47.5            | 7                | S              | 184                  |               |                 |                 | 6                      |
| 12/1/2023 9:00   | 47.4            | 10               | SSW            | 202                  |               |                 |                 | 6                      |
| 12/1/2023 9:30   | 47.1            | 10               | S              | 182                  |               |                 |                 | 6                      |
| 12/1/2023 10:00  | 47.6            | 11               | SSE            | 165                  |               |                 |                 | 6                      |
| 12/1/2023 10:30  | 48.5            | 4                | SSW            | 192                  |               |                 |                 | 6                      |
| 12/1/2023 11:00  | 48.3            | 8                | S              | 170                  |               |                 |                 | 6                      |
| 12/1/2023 11:30  | 49              | 10               | SSE            | 165                  |               |                 |                 | 6                      |
| 12/1/2023 12:00  | 50.6            | 7                | S              | 177                  |               |                 |                 | 6                      |
| 12/1/2023 12:30  | 50.3            | 6                | SSW            | 213                  |               |                 |                 | 6                      |
| 12/1/2023 13:00  | 51.3            | 6                | S              | 182                  |               |                 |                 | 6                      |
| 12/1/2023 13:30  | 52              | 4                | SW             | 225                  |               |                 |                 | 6                      |
| 12/1/2023 14:00  | 51.4            | 9                | SE             | 138                  |               |                 |                 | 6                      |
| 12/1/2023 14:30  | 50.9            | 11               | SSW            | 211                  |               |                 |                 | 6                      |
| 12/1/2023 15:00  | 50              | 5                | SW             | 220                  |               |                 |                 | 6                      |
| 12/1/2023 15:30  | 49.6            | 6                | S              | 180                  | 11            | 12/1/2023       | 3:36 PM         | 6                      |
| 12/1/2023 16:00  | 49              | 9                | S              | 185                  |               |                 |                 | 6                      |
| 12/1/2023 16:30  | 48.8            | 5                | S              | 190                  |               |                 |                 | 6                      |
| 12/1/2023 17:00  | 48.7            | 4                | S              | 185                  |               |                 |                 | 6                      |
| 12/1/2023 17:30  | 48.1            | 0                | SSW            | 204                  |               |                 |                 | 6                      |
| 12/1/2023 18:00  | 47.3            | 2                | SW             | 219                  |               |                 |                 | 6                      |
| 12/1/2023 18:30  | 46.7            | 3                | SW             | 215                  |               |                 |                 | 6                      |
| 12/1/2023 19:00  | 47.4            | 4                | SSW            | 200                  |               |                 |                 | 6                      |
| 12/1/2023 19:30  | 46.7            | 4                | SW             | 221                  |               |                 |                 | 6                      |
| 12/1/2023 20:00  | 46.1            | 6                | SSE            | 166                  |               |                 |                 | 6                      |
| 12/1/2023 20:30  | 45.8            | 6                | S              | 180                  |               |                 |                 | 6                      |
| 12/1/2023 21:00  | 45.6            | 7                | SSW            | 199                  |               |                 |                 | 6                      |
| 12/1/2023 21:30  | 45.6            | 5                | SSW            | 205                  |               |                 |                 | 6                      |

## Coffin Butte Landfill On-site Meteorological Data for Recent Odor Complaints (2022 to 2024)

| Time Stamp       | Temperature (F) | Wind Speed (mph) | Wind Direction | Wind Direction (deg) | Odor Event ID | Odor Event Date | Odor Event Time | Odor Event Day of Week |
|------------------|-----------------|------------------|----------------|----------------------|---------------|-----------------|-----------------|------------------------|
| 12/1/2023 22:00  | 45.8            | 6                | SW             | 228                  |               |                 |                 | 6                      |
| 12/1/2023 22:30  | 46              | 6                | SSE            | 167                  |               |                 |                 | 6                      |
| 12/1/2023 23:00  | 45.8            | 6                | SSW            | 208                  |               |                 |                 | 6                      |
| 12/1/2023 23:30  | 46.3            | 6                | SSW            | 203                  |               |                 |                 | 6                      |
|                  |                 |                  |                |                      |               |                 |                 |                        |
| 12/12/2023 0:00  | 47.4            | 1                | NE             | 55                   |               |                 |                 | 3                      |
| 12/12/2023 0:30  | 46.9            | 2                | NNE            | 20                   |               |                 |                 | 3                      |
| 12/12/2023 1:00  | 46.6            | 0                | ENE            | 68                   |               |                 |                 | 3                      |
| 12/12/2023 1:30  | 46.2            | 4                | WSW            | 246                  |               |                 |                 | 3                      |
| 12/12/2023 2:00  | 45.8            | 0                | SW             | 232                  |               |                 |                 | 3                      |
| 12/12/2023 2:30  | 45              | 0                | SSE            | 166                  |               |                 |                 | 3                      |
| 12/12/2023 3:00  | 44.6            | 1                | W              | 264                  |               |                 |                 | 3                      |
| 12/12/2023 3:30  | 44              | 3                | W              | 262                  |               |                 |                 | 3                      |
| 12/12/2023 4:00  | 43.6            | 0                | WSW            | 256                  |               |                 |                 | 3                      |
| 12/12/2023 4:30  | 43.2            | 6                | W              | 273                  |               |                 |                 | 3                      |
| 12/12/2023 5:00  | 43.2            | 1                | WSW            | 257                  |               |                 |                 | 3                      |
| 12/12/2023 5:30  | 42.7            | 1                | W              | 270                  |               |                 |                 | 3                      |
| 12/12/2023 6:00  | 41.6            | 2                | SSW            | 200                  |               |                 |                 | 3                      |
| 12/12/2023 6:30  | 41              | 0                | SSW            | 200                  |               |                 |                 | 3                      |
| 12/12/2023 7:00  | 40.6            | 2                | SSW            | 200                  |               |                 |                 | 3                      |
| 12/12/2023 7:30  | 41              | 0                | SSW            | 200                  |               |                 |                 | 3                      |
| 12/12/2023 8:00  | 40.8            | 0                | SSW            | 205                  |               |                 |                 | 3                      |
| 12/12/2023 8:30  | 40.6            | 2                | SSW            | 205                  |               |                 |                 | 3                      |
| 12/12/2023 9:00  | 41.2            | 1                | WSW            | 251                  |               |                 |                 | 3                      |
| 12/12/2023 9:30  | 41.9            | 2                | W              | 261                  |               |                 |                 | 3                      |
| 12/12/2023 10:00 | 43.2            | 4                | W              | 271                  |               |                 |                 | 3                      |
| 12/12/2023 10:30 | 45.1            | 3                | W              | 274                  |               |                 |                 | 3                      |
| 12/12/2023 11:00 | 46.1            | 10               | WSW            | 256                  |               |                 |                 | 3                      |
| 12/12/2023 11:30 | 47.1            | 8                | W              | 266                  |               |                 |                 | 3                      |
| 12/12/2023 12:00 | 48              | 2                | W              | 267                  |               |                 |                 | 3                      |
| 12/12/2023 12:30 | 49.3            | 2                | NE             | 37                   |               |                 |                 | 3                      |
| 12/12/2023 13:00 | 49.7            | 2                | WNW            | 299                  |               |                 |                 | 3                      |
| 12/12/2023 13:30 | 50              | 2                | WNW            | 289                  | 12            | 12/12/2023      | 1:35 PM         | 3                      |
| 12/12/2023 14:00 | 50.9            | 5                | WSW            | 256                  |               |                 |                 | 3                      |
| 12/12/2023 14:30 | 51.3            | 4                | NW             | 275                  |               |                 |                 | 3                      |
| 12/12/2023 15:00 | 51.6            | 4                | WSW            | 276                  |               |                 |                 | 3                      |
| 12/12/2023 15:30 | 51.6            | 2                | W              | 261                  |               |                 |                 | 3                      |
| 12/12/2023 16:00 | 50.9            | 2                | W              | 269                  |               |                 |                 | 3                      |
| 12/12/2023 16:30 | 47.9            | 3                | W              | 266                  |               |                 |                 | 3                      |
| 12/12/2023 17:00 | 46.6            | 0                | W              | 266                  |               |                 |                 | 3                      |
| 12/12/2023 17:30 | 45.1            | 1                | W              | 266                  |               |                 |                 | 3                      |
| 12/12/2023 18:00 | 43.3            | 0                | W              | 266                  |               |                 |                 | 3                      |
| 12/12/2023 18:30 | 44              | 0                | W              | 266                  |               |                 |                 | 3                      |
| 12/12/2023 19:00 | 43.5            | 0                | W              | 266                  |               |                 |                 | 3                      |
| 12/12/2023 19:30 | 42.8            | 0                | W              | 266                  |               |                 |                 | 3                      |
| 12/12/2023 20:00 | 42.8            | 1                | W              | 266                  |               |                 |                 | 3                      |
| 12/12/2023 20:30 | 42.5            | 0                | W              | 266                  |               |                 |                 | 3                      |
| 12/12/2023 21:00 | 42.6            | 2                | W              | 280                  |               |                 |                 | 3                      |
| 12/12/2023 21:30 | 40.8            | 2                | W              | 281                  |               |                 |                 | 3                      |
| 12/12/2023 22:00 | 38.6            | 1                | W              | 281                  |               |                 |                 | 3                      |
| 12/12/2023 22:30 | 36.8            | 0                | W              | 281                  |               |                 |                 | 3                      |
| 12/12/2023 23:00 | 36.1            | 0                | W              | 281                  |               |                 |                 | 3                      |
| 12/12/2023 23:30 | 35.5            | 0                | W              | 281                  |               |                 |                 | 3                      |
|                  |                 |                  |                |                      |               |                 |                 |                        |
| 12/14/2023 0:00  | 37.6            | 2                | NNE            | 34                   | 13            | 12/14/2023      | (not specified) | 5                      |
| 12/14/2023 0:30  | 37.7            | 0                | NE             | 42                   | 13            | 12/14/2023      | (not specified) | 5                      |
| 12/14/2023 1:00  | 37.6            | 0                | NE             | 42                   | 13            | 12/14/2023      | (not specified) | 5                      |
| 12/14/2023 1:30  | 37.3            | 0                | NE             | 47                   | 13            | 12/14/2023      | (not specified) | 5                      |
| 12/14/2023 2:00  | 37.4            | 0                | NE             | 47                   | 13            | 12/14/2023      | (not specified) | 5                      |
| 12/14/2023 2:30  | 38              | 0                | NE             | 47                   | 13            | 12/14/2023      | (not specified) | 5                      |
| 12/14/2023 3:00  | 38.4            | 0                | NE             | 47                   | 13            | 12/14/2023      | (not specified) | 5                      |
| 12/14/2023 3:30  | 38.6            | 0                | NE             | 47                   | 13            | 12/14/2023      | (not specified) | 5                      |
| 12/14/2023 4:00  | 38.5            | 1                | NE             | 47                   | 13            | 12/14/2023      | (not specified) | 5                      |
| 12/14/2023 4:30  | 38.1            | 0                | NE             | 47                   | 13            | 12/14/2023      | (not specified) | 5                      |
| 12/14/2023 5:00  | 38.5            | 0                | NE             | 47                   | 13            | 12/14/2023      | (not specified) | 5                      |
| 12/14/2023 5:30  | 38.8            | 0                | NE             | 47                   | 13            | 12/14/2023      | (not specified) | 5                      |
| 12/14/2023 6:00  | 39.3            | 1                | NE             | 47                   | 13            | 12/14/2023      | (not specified) | 5                      |
| 12/14/2023 6:30  | 39.5            | 0                | NE             | 47                   | 13            | 12/14/2023      | (not specified) | 5                      |
| 12/14/2023 7:00  | 39.6            | 1                | NE             | 47                   | 13            | 12/14/2023      | (not specified) | 5                      |
| 12/14/2023 7:30  | 40.1            | 2                | NE             | 47                   | 13            | 12/14/2023      | (not specified) | 5                      |

## Coffin Butte Landfill On-site Meteorological Data for Recent Odor Complaints (2022 to 2024)

| Time Stamp       | Temperature (F) | Wind Speed (mph) | Wind Direction | Wind Direction (deg) | Odor Event ID | Odor Event Date | Odor Event Time | Odor Event Day of Week |
|------------------|-----------------|------------------|----------------|----------------------|---------------|-----------------|-----------------|------------------------|
| 12/14/2023 8:00  | 40.4            | 0                | NE             | 47                   | 13            | 12/14/2023      | (not specified) | 5                      |
| 12/14/2023 8:30  | 40.7            | 0                | NE             | 47                   | 13            | 12/14/2023      | (not specified) | 5                      |
| 12/14/2023 9:00  | 41.3            | 0                | NE             | 47                   | 13            | 12/14/2023      | (not specified) | 5                      |
| 12/14/2023 9:30  | 41.8            | 2                | NE             | 47                   | 13            | 12/14/2023      | (not specified) | 5                      |
| 12/14/2023 10:00 | 42.5            | 0                | ENE            | 59                   | 13            | 12/14/2023      | (not specified) | 5                      |
| 12/14/2023 10:30 | 43              | 1                | E              | 85                   | 13            | 12/14/2023      | (not specified) | 5                      |
| 12/14/2023 11:00 | 43.5            | 0                | NW             | 325                  | 13            | 12/14/2023      | (not specified) | 5                      |
| 12/14/2023 11:30 | 44              | 3                | NW             | 325                  | 13            | 12/14/2023      | (not specified) | 5                      |
| 12/14/2023 12:00 | 44.5            | 1                | NNW            | 327                  | 13            | 12/14/2023      | (not specified) | 5                      |
| 12/14/2023 12:30 | 45.5            | 0                | NW             | 325                  | 13            | 12/14/2023      | (not specified) | 5                      |
| 12/14/2023 13:00 | 46.8            | 3                | NW             | 313                  | 13            | 12/14/2023      | (not specified) | 5                      |
| 12/14/2023 13:30 | 46.6            | 1                | WNW            | 284                  | 13            | 12/14/2023      | (not specified) | 5                      |
| 12/14/2023 14:00 | 47.2            | 1                | WNW            | 284                  | 13            | 12/14/2023      | (not specified) | 5                      |
| 12/14/2023 14:30 | 47.5            | 1                | WNW            | 287                  | 13            | 12/14/2023      | (not specified) | 5                      |
| 12/14/2023 15:00 | 47.5            | 1                | WNW            | 287                  | 13            | 12/14/2023      | (not specified) | 5                      |
| 12/14/2023 15:30 | 47.6            | 0                | WNW            | 288                  | 13            | 12/14/2023      | (not specified) | 5                      |
| 12/14/2023 16:00 | 47.6            | 0                | WNW            | 288                  | 13            | 12/14/2023      | (not specified) | 5                      |
| 12/14/2023 16:30 | 47.3            | 1                | WNW            | 286                  | 13            | 12/14/2023      | (not specified) | 5                      |
| 12/14/2023 17:00 | 47              | 1                | WNW            | 286                  | 13            | 12/14/2023      | (not specified) | 5                      |
| 12/14/2023 17:30 | 46.8            | 0                | WNW            | 286                  | 13            | 12/14/2023      | (not specified) | 5                      |
| 12/14/2023 18:00 | 45.3            | 0                | WNW            | 286                  | 13            | 12/14/2023      | (not specified) | 5                      |
| 12/14/2023 18:30 | 44.2            | 0                | WNW            | 286                  | 13            | 12/14/2023      | (not specified) | 5                      |
| 12/14/2023 19:00 | 42.5            | 0                | WNW            | 285                  | 13            | 12/14/2023      | (not specified) | 5                      |
| 12/14/2023 19:30 | 42.3            | 0                | WNW            | 285                  | 13            | 12/14/2023      | (not specified) | 5                      |
| 12/14/2023 20:00 | 42.2            | 0                | WNW            | 285                  | 13            | 12/14/2023      | (not specified) | 5                      |
| 12/14/2023 20:30 | 41.4            | 0                | WNW            | 285                  | 13            | 12/14/2023      | (not specified) | 5                      |
| 12/14/2023 21:00 | 40.7            | 0                | WNW            | 285                  | 13            | 12/14/2023      | (not specified) | 5                      |
| 12/14/2023 21:30 | 39.8            | 0                | WNW            | 285                  | 13            | 12/14/2023      | (not specified) | 5                      |
| 12/14/2023 22:00 | 38.7            | 0                | WNW            | 285                  | 13            | 12/14/2023      | (not specified) | 5                      |
| 12/14/2023 22:30 | 38.7            | 0                | WNW            | 285                  | 13            | 12/14/2023      | (not specified) | 5                      |
| 12/14/2023 23:00 | 37.7            | 0                | WNW            | 285                  | 13            | 12/14/2023      | (not specified) | 5                      |
| 12/14/2023 23:30 | 37.2            | 0                | WNW            | 285                  | 13            | 12/14/2023      | (not specified) | 5                      |
| 12/15/2023 0:00  | 37.8            | 0                | WNW            | 285                  |               |                 |                 | 6                      |
| 12/15/2023 0:30  | 36.5            | 0                | WNW            | 285                  |               |                 |                 | 6                      |
| 12/15/2023 1:00  | 35.9            | 0                | WNW            | 285                  |               |                 |                 | 6                      |
| 12/15/2023 1:30  | 36.6            | 0                | WNW            | 285                  |               |                 |                 | 6                      |
| 12/15/2023 2:00  | 37.1            | 0                | WNW            | 285                  |               |                 |                 | 6                      |
| 12/15/2023 2:30  | 37.4            | 0                | WNW            | 285                  |               |                 |                 | 6                      |
| 12/15/2023 3:00  | 37.5            | 0                | WNW            | 285                  |               |                 |                 | 6                      |
| 12/15/2023 3:30  | 37.5            | 0                | WNW            | 285                  |               |                 |                 | 6                      |
| 12/15/2023 4:00  | 37.6            | 0                | WNW            | 285                  |               |                 |                 | 6                      |
| 12/15/2023 4:30  | 37.6            | 0                | WNW            | 285                  |               |                 |                 | 6                      |
| 12/15/2023 5:00  | 37.4            | 0                | WNW            | 285                  |               |                 |                 | 6                      |
| 12/15/2023 5:30  | 36.8            | 0                | WNW            | 285                  |               |                 |                 | 6                      |
| 12/15/2023 6:00  | 36.1            | 0                | WNW            | 285                  |               |                 |                 | 6                      |
| 12/15/2023 6:30  | 34.9            | 0                | WNW            | 285                  |               |                 |                 | 6                      |
| 12/15/2023 7:00  | 34.5            | 2                | WNW            | 286                  |               |                 |                 | 6                      |
| 12/15/2023 7:30  | 33.6            | 2                | WNW            | 286                  |               |                 |                 | 6                      |
| 12/15/2023 8:00  | 33.4            | 0                | WNW            | 286                  |               |                 |                 | 6                      |
| 12/15/2023 8:30  | 32.9            | 0                | WNW            | 286                  |               |                 |                 | 6                      |
| 12/15/2023 9:00  | 33.7            | 2                | WNW            | 286                  |               |                 |                 | 6                      |
| 12/15/2023 9:30  | 34.7            | 0                | WNW            | 286                  |               |                 |                 | 6                      |
| 12/15/2023 10:00 | 36.4            | 2                | WNW            | 286                  |               |                 |                 | 6                      |
| 12/15/2023 10:30 | 37.5            | 3                | WNW            | 287                  |               |                 |                 | 6                      |
| 12/15/2023 11:00 | 37.6            | 1                | WNW            | 287                  |               |                 |                 | 6                      |
| 12/15/2023 11:30 | 40.7            | 3                | WNW            | 293                  |               |                 |                 | 6                      |
| 12/15/2023 12:00 | 42.2            | 1                | WNW            | 293                  | 14            | 12/15/2023      | 12:00 PM        | 6                      |
| 12/15/2023 12:30 | 43.5            | 1                | WNW            | 294                  |               |                 |                 | 6                      |
| 12/15/2023 13:00 | 45.2            | 1                | NW             | 311                  |               |                 |                 | 6                      |
| 12/15/2023 13:30 | 46              | 2                | W              | 268                  |               |                 |                 | 6                      |
| 12/15/2023 14:00 | 47              | 0                | NE             | 55                   |               |                 |                 | 6                      |
| 12/15/2023 14:30 | 47.6            | 0                | SSE            | 161                  |               |                 |                 | 6                      |
| 12/15/2023 15:00 | 48.3            | 3                | WSW            | 253                  |               |                 |                 | 6                      |
| 12/15/2023 15:30 | 48.2            | 3                | W              | 262                  |               |                 |                 | 6                      |
| 12/15/2023 16:00 | 46.6            | 0                | W              | 262                  |               |                 |                 | 6                      |
| 12/15/2023 16:30 | 44.2            | 0                | W              | 262                  |               |                 |                 | 6                      |
| 12/15/2023 17:00 | 41.2            | 0                | W              | 262                  |               |                 |                 | 6                      |
| 12/15/2023 17:30 | 39.1            | 0                | W              | 262                  |               |                 |                 | 6                      |
| 12/15/2023 18:00 | 38.2            | 1                | W              | 262                  |               |                 |                 | 6                      |
| 12/15/2023 18:30 | 37.7            | 0                | W              | 261                  |               |                 |                 | 6                      |

## Coffin Butte Landfill On-site Meteorological Data for Recent Odor Complaints (2022 to 2024)

| Time Stamp       | Temperature (F) | Wind Speed (mph) | Wind Direction | Wind Direction (deg) | Odor Event ID | Odor Event Date | Odor Event Time | Odor Event Day of Week |
|------------------|-----------------|------------------|----------------|----------------------|---------------|-----------------|-----------------|------------------------|
| 12/15/2023 19:00 | 37.1            | 0                | W              | 262                  |               |                 |                 | 6                      |
| 12/15/2023 19:30 | 35.5            | 0                | W              | 262                  |               |                 |                 | 6                      |
| 12/15/2023 20:00 | 35              | 0                | W              | 262                  |               |                 |                 | 6                      |
| 12/15/2023 20:30 | 34.1            | 0                | W              | 262                  |               |                 |                 | 6                      |
| 12/15/2023 21:00 | 33.2            | 0                | W              | 262                  |               |                 |                 | 6                      |
| 12/15/2023 21:30 | 33              | 0                | W              | 262                  |               |                 |                 | 6                      |
| 12/15/2023 22:00 | 32.1            | 0                | W              | 261                  |               |                 |                 | 6                      |
| 12/15/2023 22:30 | 31.7            | 0                | W              | 262                  |               |                 |                 | 6                      |
| 12/15/2023 23:00 | 32.9            | 1                | W              | 262                  |               |                 |                 | 6                      |
| 12/15/2023 23:30 | 32.1            | 0                | W              | 262                  |               |                 |                 | 6                      |
| 12/16/2023 0:00  | 31.7            | 0                | W              | 262                  |               |                 |                 | 7                      |
| 12/16/2023 0:30  | 31.3            | 2                | W              | 262                  |               |                 |                 | 7                      |
| 12/16/2023 1:00  | 32.3            | 0                | W              | 262                  |               |                 |                 | 7                      |
| 12/16/2023 1:30  | 32.7            | 0                | W              | 262                  |               |                 |                 | 7                      |
| 12/16/2023 2:00  | 31.1            | 3                | NNE            | 30                   |               |                 |                 | 7                      |
| 12/16/2023 2:30  | 30.7            | 4                | NNE            | 30                   |               |                 |                 | 7                      |
| 12/16/2023 3:00  | 30.8            | 0                | NNE            | 30                   |               |                 |                 | 7                      |
| 12/16/2023 3:30  | 31              | 2                | NNE            | 30                   |               |                 |                 | 7                      |
| 12/16/2023 4:00  | 30.5            | 0                | NNE            | 30                   |               |                 |                 | 7                      |
| 12/16/2023 4:30  | 29.1            | 0                | NNE            | 34                   |               |                 |                 | 7                      |
| 12/16/2023 5:00  | 29              | 0                | NNE            | 34                   |               |                 |                 | 7                      |
| 12/16/2023 5:30  | 29.4            | 0                | NNE            | 34                   |               |                 |                 | 7                      |
| 12/16/2023 6:00  | 30.4            | 0                | NNE            | 34                   |               |                 |                 | 7                      |
| 12/16/2023 6:30  | 30.1            | 0                | NNE            | 34                   |               |                 |                 | 7                      |
| 12/16/2023 7:00  | 30              | 0                | NE             | 36                   |               |                 |                 | 7                      |
| 12/16/2023 7:30  | 29.6            | 0                | E              | 94                   |               |                 |                 | 7                      |
| 12/16/2023 8:00  | 29.6            | 0                | E              | 94                   |               |                 |                 | 7                      |
| 12/16/2023 8:30  | 30.3            | 0                | E              | 94                   |               |                 |                 | 7                      |
| 12/16/2023 9:00  | 31              | 0                | E              | 94                   |               |                 |                 | 7                      |
| 12/16/2023 9:30  | 31.1            | 1                | SSE            | 166                  |               |                 |                 | 7                      |
| 12/16/2023 10:00 | 31.5            | 0                | S              | 175                  |               |                 |                 | 7                      |
| 12/16/2023 10:30 | 32.6            | 0                | S              | 175                  |               |                 |                 | 7                      |
| 12/16/2023 11:00 | 34.7            | 3                | S              | 172                  |               |                 |                 | 7                      |
| 12/16/2023 11:30 | 35.9            | 4                | SSE            | 169                  |               |                 |                 | 7                      |
| 12/16/2023 12:00 | 36.9            | 5                | SSE            | 169                  |               |                 |                 | 7                      |
| 12/16/2023 12:30 | 38              | 4                | NNE            | 24                   |               |                 |                 | 7                      |
| 12/16/2023 13:00 | 38.6            | 3                | NNE            | 26                   |               |                 |                 | 7                      |
| 12/16/2023 13:30 | 39.8            | 4                | NNE            | 19                   |               |                 |                 | 7                      |
| 12/16/2023 14:00 | 39.4            | 4                | NNE            | 24                   | 15            | 12/16/2023      | 2:00 PM         | 7                      |
| 12/16/2023 14:30 | 39.3            | 4                | NNE            | 20                   |               |                 |                 | 7                      |
| 12/16/2023 15:00 | 38.7            | 2                | NNE            | 24                   |               |                 |                 | 7                      |
| 12/16/2023 15:30 | 38.6            | 2                | NNE            | 24                   |               |                 |                 | 7                      |
| 12/16/2023 16:00 | 38.4            | 0                | NNE            | 24                   |               |                 |                 | 7                      |
| 12/16/2023 16:30 | 37.7            | 0                | NNE            | 24                   |               |                 |                 | 7                      |
| 12/16/2023 17:00 | 36.7            | 1                | NNE            | 25                   |               |                 |                 | 7                      |
| 12/16/2023 17:30 | 36.4            | 0                | NNE            | 25                   |               |                 |                 | 7                      |
| 12/16/2023 18:00 | 35.8            | 1                | NNE            | 25                   |               |                 |                 | 7                      |
| 12/16/2023 18:30 | 35.2            | 0                | NNE            | 25                   |               |                 |                 | 7                      |
| 12/16/2023 19:00 | 34.4            | 0                | NNE            | 25                   |               |                 |                 | 7                      |
| 12/16/2023 19:30 | 34              | 0                | NNE            | 31                   |               |                 |                 | 7                      |
| 12/16/2023 20:00 | 34.3            | 1                | NNE            | 31                   |               |                 |                 | 7                      |
| 12/16/2023 20:30 | 33.9            | 0                | NNE            | 30                   |               |                 |                 | 7                      |
| 12/16/2023 21:00 | 33.9            | 0                | NNE            | 30                   |               |                 |                 | 7                      |
| 12/16/2023 21:30 | 33.7            | 1                | NNE            | 30                   |               |                 |                 | 7                      |
| 12/16/2023 22:00 | 33.2            | 0                | NNE            | 32                   |               |                 |                 | 7                      |
| 12/16/2023 22:30 | 32.9            | 1                | NNE            | 32                   |               |                 |                 | 7                      |
| 12/16/2023 23:00 | 32.3            | 0                | NNE            | 32                   |               |                 |                 | 7                      |
| 12/16/2023 23:30 | 31.7            | 1                | ESE            | 105                  |               |                 |                 | 7                      |
|                  |                 |                  |                |                      |               |                 |                 |                        |
| 12/25/2023 0:00  | 41.9            | 0                | SW             | 234                  | 16            | 12/25/2023      | (not specified) | 2                      |
| 12/25/2023 0:30  | 42              | 0                | SW             | 234                  | 16            | 12/25/2023      | (not specified) | 2                      |
| 12/25/2023 1:00  | 41.8            | 0                | SW             | 234                  | 16            | 12/25/2023      | (not specified) | 2                      |
| 12/25/2023 1:30  | 41.7            | 0                | SW             | 234                  | 16            | 12/25/2023      | (not specified) | 2                      |
| 12/25/2023 2:00  | 41.7            | 0                | SW             | 234                  | 16            | 12/25/2023      | (not specified) | 2                      |
| 12/25/2023 2:30  | 42              | 0                | SW             | 234                  | 16            | 12/25/2023      | (not specified) | 2                      |
| 12/25/2023 3:00  | 42.5            | 0                | SW             | 234                  | 16            | 12/25/2023      | (not specified) | 2                      |
| 12/25/2023 3:30  | 42.8            | 0                | SW             | 234                  | 16            | 12/25/2023      | (not specified) | 2                      |
| 12/25/2023 4:00  | 42.6            | 0                | SW             | 234                  | 16            | 12/25/2023      | (not specified) | 2                      |
| 12/25/2023 4:30  | 42              | 0                | SW             | 234                  | 16            | 12/25/2023      | (not specified) | 2                      |
| 12/25/2023 5:00  | 42              | 0                | SW             | 234                  | 16            | 12/25/2023      | (not specified) | 2                      |

## Coffin Butte Landfill On-site Meteorological Data for Recent Odor Complaints (2022 to 2024)

| Time Stamp       | Temperature (F) | Wind Speed (mph) | Wind Direction | Wind Direction (deg) | Odor Event ID | Odor Event Date | Odor Event Time | Odor Event Day of Week |
|------------------|-----------------|------------------|----------------|----------------------|---------------|-----------------|-----------------|------------------------|
| 12/25/2023 5:30  | 41.9            | 0                | SW             | 234                  | 16            | 12/25/2023      | (not specified) | 2                      |
| 12/25/2023 6:00  | 42              | 0                | SW             | 234                  | 16            | 12/25/2023      | (not specified) | 2                      |
| 12/25/2023 6:30  | 42              | 4                | NE             | 36                   | 16            | 12/25/2023      | (not specified) | 2                      |
| 12/25/2023 7:00  | 42.2            | 4                | NNE            | 34                   | 16            | 12/25/2023      | (not specified) | 2                      |
| 12/25/2023 7:30  | 42.3            | 3                | NNE            | 33                   | 16            | 12/25/2023      | (not specified) | 2                      |
| 12/25/2023 8:00  | 42.7            | 3                | NNE            | 32                   | 16            | 12/25/2023      | (not specified) | 2                      |
| 12/25/2023 8:30  | 43.1            | 2                | NNE            | 30                   | 16            | 12/25/2023      | (not specified) | 2                      |
| 12/25/2023 9:00  | 43.7            | 0                | NNE            | 29                   | 16            | 12/25/2023      | (not specified) | 2                      |
| 12/25/2023 9:30  | 44              | 0                | NNE            | 30                   | 16            | 12/25/2023      | (not specified) | 2                      |
| 12/25/2023 10:00 | 44.7            | 0                | NNE            | 24                   | 16            | 12/25/2023      | (not specified) | 2                      |
| 12/25/2023 10:30 | 44.1            | 0                | NNE            | 25                   | 16            | 12/25/2023      | (not specified) | 2                      |
| 12/25/2023 11:00 | 44.8            | 0                | NNE            | 25                   | 16            | 12/25/2023      | (not specified) | 2                      |
| 12/25/2023 11:30 | 44.6            | 0                | NNE            | 25                   | 16            | 12/25/2023      | (not specified) | 2                      |
| 12/25/2023 12:00 | 44.6            | 1                | NNE            | 25                   | 16            | 12/25/2023      | (not specified) | 2                      |
| 12/25/2023 12:30 | 44.6            | 1                | NW             | 323                  | 16            | 12/25/2023      | (not specified) | 2                      |
| 12/25/2023 13:00 | 44.6            | 1                | NW             | 323                  | 16            | 12/25/2023      | (not specified) | 2                      |
| 12/25/2023 13:30 | 45.2            | 3                | NW             | 325                  | 16            | 12/25/2023      | (not specified) | 2                      |
| 12/25/2023 14:00 | 45.2            | 0                | NNE            | 22                   | 16            | 12/25/2023      | (not specified) | 2                      |
| 12/25/2023 14:30 | 45.5            | 0                | NNE            | 22                   | 16            | 12/25/2023      | (not specified) | 2                      |
| 12/25/2023 15:00 | 45.4            | 0                | NNE            | 22                   | 16            | 12/25/2023      | (not specified) | 2                      |
| 12/25/2023 15:30 | 45.3            | 1                | WSW            | 252                  | 16            | 12/25/2023      | (not specified) | 2                      |
| 12/25/2023 16:00 | 45.1            | 0                | WSW            | 252                  | 16            | 12/25/2023      | (not specified) | 2                      |
| 12/25/2023 16:30 | 45.2            | 0                | WSW            | 252                  | 16            | 12/25/2023      | (not specified) | 2                      |
| 12/25/2023 17:00 | 45.2            | 3                | WSW            | 252                  | 16            | 12/25/2023      | (not specified) | 2                      |
| 12/25/2023 17:30 | 45              | 1                | WSW            | 252                  | 16            | 12/25/2023      | (not specified) | 2                      |
| 12/25/2023 18:00 | 45              | 3                | NNE            | 32                   | 16            | 12/25/2023      | (not specified) | 2                      |
| 12/25/2023 18:30 | 44.8            | 2                | NNE            | 27                   | 16            | 12/25/2023      | (not specified) | 2                      |
| 12/25/2023 19:00 | 45.3            | 2                | NNE            | 27                   | 16            | 12/25/2023      | (not specified) | 2                      |
| 12/25/2023 19:30 | 47.1            | 3                | NNE            | 32                   | 16            | 12/25/2023      | (not specified) | 2                      |
| 12/25/2023 20:00 | 48.8            | 4                | SSW            | 194                  | 16            | 12/25/2023      | (not specified) | 2                      |
| 12/25/2023 20:30 | 50.7            | 5                | S              | 190                  | 16            | 12/25/2023      | (not specified) | 2                      |
| 12/25/2023 21:00 | 50.8            | 9                | SSW            | 192                  | 16            | 12/25/2023      | (not specified) | 2                      |
| 12/25/2023 21:30 | 51.1            | 4                | SW             | 217                  | 16            | 12/25/2023      | (not specified) | 2                      |
| 12/25/2023 22:00 | 51.5            | 6                | SSE            | 169                  | 16            | 12/25/2023      | (not specified) | 2                      |
| 12/25/2023 22:30 | 51.9            | 6                | WSW            | 239                  | 16            | 12/25/2023      | (not specified) | 2                      |
| 12/25/2023 23:00 | 52              | 4                | SW             | 236                  | 16            | 12/25/2023      | (not specified) | 2                      |
| 12/25/2023 23:30 | 52.1            | 5                | SSW            | 192                  | 16            | 12/25/2023      | (not specified) | 2                      |
|                  |                 |                  |                |                      |               |                 |                 |                        |
| 1/12/2024 0:00   | 42.1            | 7                | S              | 188                  |               |                 |                 | 6                      |
| 1/12/2024 0:30   | 42.4            | 6                | S              | 187                  |               |                 |                 | 6                      |
| 1/12/2024 1:00   | 41.6            | 5                | S              | 188                  |               |                 |                 | 6                      |
| 1/12/2024 1:30   | 41.7            | 2                | S              | 182                  |               |                 |                 | 6                      |
| 1/12/2024 2:00   | 41.7            | 4                | S              | 184                  |               |                 |                 | 6                      |
| 1/12/2024 2:30   | 42.4            | 4                | S              | 183                  |               |                 |                 | 6                      |
| 1/12/2024 3:00   | 42.2            | 3                | SSW            | 192                  |               |                 |                 | 6                      |
| 1/12/2024 3:30   | 42.2            | 7                | S              | 173                  |               |                 |                 | 6                      |
| 1/12/2024 4:00   | 42.4            | 3                | S              | 182                  |               |                 |                 | 6                      |
| 1/12/2024 4:30   | 42.2            | 2                | S              | 188                  |               |                 |                 | 6                      |
| 1/12/2024 5:00   | 42.5            | 12               | S              | 189                  |               |                 |                 | 6                      |
| 1/12/2024 5:30   | 42.5            | 6                | SSW            | 201                  |               |                 |                 | 6                      |
| 1/12/2024 6:00   | 42              | 3                | S              | 190                  |               |                 |                 | 6                      |
| 1/12/2024 6:30   | 41.7            | 4                | SSE            | 167                  |               |                 |                 | 6                      |
| 1/12/2024 7:00   | 41.6            | 3                | SSE            | 167                  |               |                 |                 | 6                      |
| 1/12/2024 7:30   | 41.5            | 1                | SSE            | 167                  |               |                 |                 | 6                      |
| 1/12/2024 8:00   | 41.3            | 4                | SSE            | 167                  |               |                 |                 | 6                      |
| 1/12/2024 8:30   | 41.2            | 1                | SSE            | 167                  |               |                 |                 | 6                      |
| 1/12/2024 9:00   | 41.3            | 1                | SSE            | 167                  |               |                 |                 | 6                      |
| 1/12/2024 9:30   | 41.5            | 3                | SSE            | 167                  |               |                 |                 | 6                      |
| 1/12/2024 10:00  | 41.9            | 4                | S              | 184                  |               |                 |                 | 6                      |
| 1/12/2024 10:30  | 42.5            | 4                | S              | 184                  |               |                 |                 | 6                      |
| 1/12/2024 11:00  | 43.3            | 3                | S              | 178                  |               |                 |                 | 6                      |
| 1/12/2024 11:30  | 43.5            | 5                | S              | 171                  |               |                 |                 | 6                      |
| 1/12/2024 12:00  | 41.1            | 6                | NNE            | 22                   | 17            | 1/12/2024       | 12:15 PM        | 6                      |
| 1/12/2024 12:30  | 40.4            | 4                | N              | 11                   |               |                 |                 | 6                      |
| 1/12/2024 13:00  | 40.4            | 2                | NNE            | 27                   |               |                 |                 | 6                      |
| 1/12/2024 13:30  | 40.6            | 3                | NE             | 39                   |               |                 |                 | 6                      |
| 1/12/2024 14:00  | 40.7            | 3                | NNE            | 32                   |               |                 |                 | 6                      |
| 1/12/2024 14:30  | 40.5            | 2                | NNE            | 32                   |               |                 |                 | 6                      |
| 1/12/2024 15:00  | 40.6            | 3                | NNE            | 29                   |               |                 |                 | 6                      |
| 1/12/2024 15:30  | 40.2            | 0                | NNE            | 26                   |               |                 |                 | 6                      |

## Coffin Butte Landfill On-site Meteorological Data for Recent Odor Complaints (2022 to 2024)

| Time Stamp      | Temperature (F) | Wind Speed (mph) | Wind Direction | Wind Direction (deg) | Odor Event ID | Odor Event Date | Odor Event Time | Odor Event Day of Week |
|-----------------|-----------------|------------------|----------------|----------------------|---------------|-----------------|-----------------|------------------------|
| 1/12/2024 16:00 | 39.8            | 1                | NNE            | 24                   |               |                 |                 | 6                      |
| 1/12/2024 16:30 | 39.7            | 1                | NNE            | 24                   |               |                 |                 | 6                      |
| 1/12/2024 17:00 | 39.3            | 2                | NNE            | 24                   |               |                 |                 | 6                      |
| 1/12/2024 17:30 | 39              | 4                | NNE            | 23                   |               |                 |                 | 6                      |
| 1/12/2024 18:00 | 37.9            | 9                | NNE            | 26                   |               |                 |                 | 6                      |
| 1/12/2024 18:30 | 35.8            | 5                | NNE            | 28                   |               |                 |                 | 6                      |
| 1/12/2024 19:00 | 33.6            | 4                | W              | 279                  |               |                 |                 | 6                      |
| 1/12/2024 19:30 | 32.3            | 4                | WSW            | 258                  |               |                 |                 | 6                      |
| 1/12/2024 20:00 | 31.6            | 1                | WNW            | 288                  |               |                 |                 | 6                      |
| 1/12/2024 20:30 | 31.3            | 2                | W              | 271                  |               |                 |                 | 6                      |
| 1/12/2024 21:00 | 30.8            | 1                | WSW            | 255                  |               |                 |                 | 6                      |
| 1/12/2024 21:30 | 30.3            | 3                | SSW            | 208                  |               |                 |                 | 6                      |
| 1/12/2024 22:00 | 30              | 10               | WSW            | 251                  |               |                 |                 | 6                      |
| 1/12/2024 22:30 | 29.4            | 1                | NE             | 55                   |               |                 |                 | 6                      |
| 1/12/2024 23:00 | 28.1            | 0                | SSW            | 209                  |               |                 |                 | 6                      |
| 1/12/2024 23:30 | 27              | 0                | NNE            | 14                   |               |                 |                 | 6                      |
| 1/18/2024 0:00  | 44.2            | 0                | SW             | 224                  |               |                 |                 | 5                      |
| 1/18/2024 0:30  | 44.7            | 2                | SW             | 224                  |               |                 |                 | 5                      |
| 1/18/2024 1:00  | 42.7            | 4                | SW             | 224                  |               |                 |                 | 5                      |
| 1/18/2024 1:30  | 40.8            | 3                | SW             | 225                  |               |                 |                 | 5                      |
| 1/18/2024 2:00  | 43.1            | 1                | SW             | 225                  |               |                 |                 | 5                      |
| 1/18/2024 2:30  | 44.2            | 2                | SW             | 224                  |               |                 |                 | 5                      |
| 1/18/2024 3:00  | 45.4            | 3                | SW             | 217                  |               |                 |                 | 5                      |
| 1/18/2024 3:30  | 45.5            | 6                | SSW            | 208                  |               |                 |                 | 5                      |
| 1/18/2024 4:00  | 45.4            | 1                | S              | 186                  |               |                 |                 | 5                      |
| 1/18/2024 4:30  | 45.7            | 2                | S              | 190                  |               |                 |                 | 5                      |
| 1/18/2024 5:00  | 46.1            | 0                | S              | 175                  |               |                 |                 | 5                      |
| 1/18/2024 5:30  | 43.7            | 6                | NNE            | 31                   |               |                 |                 | 5                      |
| 1/18/2024 6:00  | 42.2            | 5                | NNE            | 28                   |               |                 |                 | 5                      |
| 1/18/2024 6:30  | 41.5            | 3                | NE             | 36                   |               |                 |                 | 5                      |
| 1/18/2024 7:00  | 41.1            | 0                | NNE            | 34                   |               |                 |                 | 5                      |
| 1/18/2024 7:30  | 42.2            | 3                | NNE            | 28                   |               |                 |                 | 5                      |
| 1/18/2024 8:00  | 42.1            | 3                | NE             | 35                   |               |                 |                 | 5                      |
| 1/18/2024 8:30  | 41.7            | 2                | NE             | 36                   |               |                 |                 | 5                      |
| 1/18/2024 9:00  | 42.5            | 3                | NE             | 35                   |               |                 |                 | 5                      |
| 1/18/2024 9:30  | 43              | 3                | NE             | 35                   |               |                 |                 | 5                      |
| 1/18/2024 10:00 | 43.4            | 1                | NE             | 36                   |               |                 |                 | 5                      |
| 1/18/2024 10:30 | 42.3            | 3                | NE             | 36                   |               |                 |                 | 5                      |
| 1/18/2024 11:00 | 42.5            | 0                | NE             | 36                   |               |                 |                 | 5                      |
| 1/18/2024 11:30 | 42.5            | 0                | NE             | 36                   |               |                 |                 | 5                      |
| 1/18/2024 12:00 | 42.4            | 0                | NE             | 36                   | 18 & 19       | 1/18/2024       | 12:00 PM        | 5                      |
| 1/18/2024 12:30 | 42.7            | 3                | WNW            | 298                  |               |                 |                 | 5                      |
| 1/18/2024 13:00 | 39.8            | 8                | NW             | 325                  |               |                 |                 | 5                      |
| 1/18/2024 13:30 | 39.2            | 2                | NNW            | 340                  | 20            | 1/18/2024       | 1:30 PM         | 5                      |
| 1/18/2024 14:00 | 38.9            | 2                | NW             | 311                  |               |                 |                 | 5                      |
| 1/18/2024 14:30 | 38.3            | 8                | NW             | 322                  |               |                 |                 | 5                      |
| 1/18/2024 15:00 | 38.3            | 1                | WNW            | 292                  |               |                 |                 | 5                      |
| 1/18/2024 15:30 | 37.5            | 3                | SW             | 236                  | 21            | 1/18/2024       | 3:30 PM         | 5                      |
| 1/18/2024 16:00 | 37.4            | 6                | NW             | 316                  | 22            | 1/18/2024       | 4:00 PM         | 5                      |
| 1/18/2024 16:30 | 36.5            | 9                | NW             | 305                  |               |                 |                 | 5                      |
| 1/18/2024 17:00 | 36.5            | 5                | SW             | 231                  |               |                 |                 | 5                      |
| 1/18/2024 17:30 | 36              | 2                | W              | 271                  |               |                 |                 | 5                      |
| 1/18/2024 18:00 | 35.4            | 3                | WSW            | 238                  |               |                 |                 | 5                      |
| 1/18/2024 18:30 | 34.8            | 0                | WSW            | 248                  |               |                 |                 | 5                      |
| 1/18/2024 19:00 | 34.5            | 2                | WSW            | 257                  |               |                 |                 | 5                      |
| 1/18/2024 19:30 | 34.5            | 0                | SW             | 225                  |               |                 |                 | 5                      |
| 1/18/2024 20:00 | 34.4            | 2                | WSW            | 242                  |               |                 |                 | 5                      |
| 1/18/2024 20:30 | 34.2            | 0                | W              | 265                  |               |                 |                 | 5                      |
| 1/18/2024 21:00 | 34.2            | 3                | NNW            | 331                  |               |                 |                 | 5                      |
| 1/18/2024 21:30 | 34              | 0                | W              | 275                  |               |                 |                 | 5                      |
| 1/18/2024 22:00 | 33.9            | 0                | WNW            | 288                  |               |                 |                 | 5                      |
| 1/18/2024 22:30 | 34.1            | 1                | WNW            | 301                  |               |                 |                 | 5                      |
| 1/18/2024 23:00 | 34.1            | 3                | WNW            | 296                  |               |                 |                 | 5                      |
| 1/18/2024 23:30 | 34              | 3                | WNW            | 295                  |               |                 |                 | 5                      |
| 1/19/2024 0:00  | 33.9            | 2                | WNW            | 290                  |               |                 |                 | 6                      |
| 1/19/2024 0:30  | 33.7            | 3                | WNW            | 290                  |               |                 |                 | 6                      |
| 1/19/2024 1:00  | 33.6            | 0                | WNW            | 290                  |               |                 |                 | 6                      |
| 1/19/2024 1:30  | 33.5            | 2                | W              | 276                  |               |                 |                 | 6                      |
| 1/19/2024 2:00  | 33.5            | 1                | W              | 270                  |               |                 |                 | 6                      |

## Coffin Butte Landfill On-site Meteorological Data for Recent Odor Complaints (2022 to 2024)

| Time Stamp      | Temperature (F) | Wind Speed (mph) | Wind Direction | Wind Direction (deg) | Odor Event ID | Odor Event Date | Odor Event Time | Odor Event Day of Week |
|-----------------|-----------------|------------------|----------------|----------------------|---------------|-----------------|-----------------|------------------------|
| 1/19/2024 2:30  | 33.6            | 0                | WSW            | 259                  |               |                 |                 | 6                      |
| 1/19/2024 3:00  | 33.5            | 1                | WSW            | 259                  |               |                 |                 | 6                      |
| 1/19/2024 3:30  | 33.6            | 1                | W              | 264                  |               |                 |                 | 6                      |
| 1/19/2024 4:00  | 33.7            | 0                | SW             | 232                  |               |                 |                 | 6                      |
| 1/19/2024 4:30  | 33.6            | 3                | SW             | 232                  |               |                 |                 | 6                      |
| 1/19/2024 5:00  | 33.7            | 0                | SW             | 228                  |               |                 |                 | 6                      |
| 1/19/2024 5:30  | 33.6            | 0                | SW             | 228                  |               |                 |                 | 6                      |
| 1/19/2024 6:00  | 33.7            | 0                | SW             | 229                  |               |                 |                 | 6                      |
| 1/19/2024 6:30  | 33.7            | 0                | SW             | 229                  |               |                 |                 | 6                      |
| 1/19/2024 7:00  | 33.7            | 0                | SW             | 229                  |               |                 |                 | 6                      |
| 1/19/2024 7:30  | 33.8            | 0                | SW             | 229                  |               |                 |                 | 6                      |
| 1/19/2024 8:00  | 33.7            | 2                | SW             | 229                  | 23            | 1/19/2024       | 8:00 AM         | 6                      |
| 1/19/2024 8:30  | 33.8            | 0                | SW             | 229                  |               |                 |                 | 6                      |
| 1/19/2024 9:00  | 34.4            | 3                | WNW            | 300                  |               |                 |                 | 6                      |
| 1/19/2024 9:30  | 35              | 1                | WNW            | 288                  |               |                 |                 | 6                      |
| 1/19/2024 10:00 | 35.6            | 2                | SW             | 227                  |               |                 |                 | 6                      |
| 1/19/2024 10:30 | 36.4            | 4                | WSW            | 255                  |               |                 |                 | 6                      |
| 1/19/2024 11:00 | 36.8            | 3                | W              | 277                  |               |                 |                 | 6                      |
| 1/19/2024 11:30 | 37              | 0                | WSW            | 249                  |               |                 |                 | 6                      |
| 1/19/2024 12:00 | 37.3            | 5                | WSW            | 255                  |               |                 |                 | 6                      |
| 1/19/2024 12:30 | 37.7            | 0                | SW             | 215                  |               |                 |                 | 6                      |
| 1/19/2024 13:00 | 39.6            | 3                | NW             | 312                  |               |                 |                 | 6                      |
| 1/19/2024 13:30 | 38.2            | 7                | WSW            | 252                  |               |                 |                 | 6                      |
| 1/19/2024 14:00 | 37.9            | 3                | WSW            | 263                  |               |                 |                 | 6                      |
| 1/19/2024 14:30 | 38.1            | 4                | WSW            | 250                  |               |                 |                 | 6                      |
| 1/19/2024 15:00 | 38.6            | 10               | W              | 264                  |               |                 |                 | 6                      |
| 1/19/2024 15:30 | 38.1            | 2                | W              | 271                  |               |                 |                 | 6                      |
| 1/19/2024 16:00 | 37.8            | 8                | WSW            | 246                  |               |                 |                 | 6                      |
| 1/19/2024 16:30 | 37.6            | 4                | WSW            | 237                  |               |                 |                 | 6                      |
| 1/19/2024 17:00 | 37.2            | 3                | WNW            | 292                  |               |                 |                 | 6                      |
| 1/19/2024 17:30 | 37.1            | 2                | WSW            | 255                  |               |                 |                 | 6                      |
| 1/19/2024 18:00 | 37              | 4                | SW             | 231                  |               |                 |                 | 6                      |
| 1/19/2024 18:30 | 37.1            | 2                | SW             | 236                  |               |                 |                 | 6                      |
| 1/19/2024 19:00 | 36.9            | 2                | SW             | 229                  |               |                 |                 | 6                      |
| 1/19/2024 19:30 | 36.9            | 2                | SW             | 219                  |               |                 |                 | 6                      |
| 1/19/2024 20:00 | 37              | 4                | SW             | 229                  |               |                 |                 | 6                      |
| 1/19/2024 20:30 | 36.7            | 0                | SW             | 235                  |               |                 |                 | 6                      |
| 1/19/2024 21:00 | 36.3            | 2                | SW             | 229                  |               |                 |                 | 6                      |
| 1/19/2024 21:30 | 35.7            | 5                | SSW            | 213                  |               |                 |                 | 6                      |
| 1/19/2024 22:00 | 35.7            | 0                | SSW            | 213                  |               |                 |                 | 6                      |
| 1/19/2024 22:30 | 35.8            | 0                | SSW            | 213                  |               |                 |                 | 6                      |
| 1/19/2024 23:00 | 35.8            | 2                | WSW            | 238                  |               |                 |                 | 6                      |
| 1/19/2024 23:30 | 35.8            | 1                | WSW            | 238                  |               |                 |                 | 6                      |
|                 |                 |                  |                |                      |               |                 |                 |                        |
| 2/3/2024 0:00   | 36.9            | 0                | SSE            | 168                  | 28            | 2/3/2024        | (not specified) | 7                      |
| 2/3/2024 0:30   | 36.3            | 1                | NNE            | 28                   | 28            | 2/3/2024        | (not specified) | 7                      |
| 2/3/2024 1:00   | 37.8            | 4                | NNE            | 26                   | 28            | 2/3/2024        | (not specified) | 7                      |
| 2/3/2024 1:30   | 37.8            | 2                | NNE            | 30                   | 28            | 2/3/2024        | (not specified) | 7                      |
| 2/3/2024 2:00   | 38.3            | 0                | NNE            | 30                   | 28            | 2/3/2024        | (not specified) | 7                      |
| 2/3/2024 2:30   | 38.3            | 1                | NNE            | 30                   | 28            | 2/3/2024        | (not specified) | 7                      |
| 2/3/2024 3:00   | 37.6            | 0                | NNE            | 30                   | 28            | 2/3/2024        | (not specified) | 7                      |
| 2/3/2024 3:30   | 39.5            | 1                | S              | 189                  | 28            | 2/3/2024        | (not specified) | 7                      |
| 2/3/2024 4:00   | 39              | 0                | S              | 180                  | 28            | 2/3/2024        | (not specified) | 7                      |
| 2/3/2024 4:30   | 38.3            | 0                | S              | 180                  | 28            | 2/3/2024        | (not specified) | 7                      |
| 2/3/2024 5:00   | 36.6            | 2                | S              | 180                  | 28            | 2/3/2024        | (not specified) | 7                      |
| 2/3/2024 5:30   | 35.3            | 0                | S              | 180                  | 28            | 2/3/2024        | (not specified) | 7                      |
| 2/3/2024 6:00   | 35.1            | 0                | S              | 180                  | 28            | 2/3/2024        | (not specified) | 7                      |
| 2/3/2024 6:30   | 35.6            | 0                | S              | 180                  | 28            | 2/3/2024        | (not specified) | 7                      |
| 2/3/2024 7:00   | 34              | 0                | S              | 180                  | 28            | 2/3/2024        | (not specified) | 7                      |
| 2/3/2024 7:30   | 32.7            | 0                | S              | 180                  | 28            | 2/3/2024        | (not specified) | 7                      |
| 2/3/2024 8:00   | 33.5            | 0                | S              | 180                  | 28            | 2/3/2024        | (not specified) | 7                      |
| 2/3/2024 8:30   | 34              | 0                | S              | 180                  | 28            | 2/3/2024        | (not specified) | 7                      |
| 2/3/2024 9:00   | 35.3            | 2                | S              | 180                  | 24            | 2/3/2024        | 9:00 AM         | 7                      |
| 2/3/2024 9:30   | 36.3            | 0                | S              | 180                  | 28            | 2/3/2024        | (not specified) | 7                      |
| 2/3/2024 10:00  | 37.9            | 0                | S              | 180                  | 25            | 2/3/2024        | 10:00 AM        | 7                      |
| 2/3/2024 10:30  | 41.9            | 0                | S              | 180                  | 28            | 2/3/2024        | (not specified) | 7                      |
| 2/3/2024 11:00  | 45.7            | 0                | S              | 180                  | 28            | 2/3/2024        | (not specified) | 7                      |
| 2/3/2024 11:30  | 48              | 0                | S              | 180                  | 28            | 2/3/2024        | (not specified) | 7                      |
| 2/3/2024 12:00  | 48.9            | 0                | S              | 180                  | 28            | 2/3/2024        | (not specified) | 7                      |
| 2/3/2024 12:30  | 50.3            | 0                | NNE            | 22                   | 28            | 2/3/2024        | (not specified) | 7                      |

## Coffin Butte Landfill On-site Meteorological Data for Recent Odor Complaints (2022 to 2024)

| Time Stamp     | Temperature (F) | Wind Speed (mph) | Wind Direction | Wind Direction (deg) | Odor Event ID | Odor Event Date | Odor Event Time | Odor Event Day of Week |
|----------------|-----------------|------------------|----------------|----------------------|---------------|-----------------|-----------------|------------------------|
| 2/3/2024 13:00 | 51.3            | 2                | NNE            | 21                   | 26            | 2/3/2024        | 1:00 PM         | 7                      |
| 2/3/2024 13:30 | 52.5            | 1                | N              | 360                  | 28            | 2/3/2024        | (not specified) | 7                      |
| 2/3/2024 14:00 | 52.7            | 4                | NNE            | 15                   | 28            | 2/3/2024        | (not specified) | 7                      |
| 2/3/2024 14:30 | 52.8            | 1                | NNE            | 33                   | 28            | 2/3/2024        | (not specified) | 7                      |
| 2/3/2024 15:00 | 53.6            | 0                | NNE            | 19                   | 27            | 2/3/2024        | 3:00 PM         | 7                      |
| 2/3/2024 15:30 | 54.7            | 0                | NNE            | 19                   | 28            | 2/3/2024        | (not specified) | 7                      |
| 2/3/2024 16:00 | 53.4            | 3                | ENE            | 66                   | 28            | 2/3/2024        | (not specified) | 7                      |
| 2/3/2024 16:30 | 52              | 1                | NNE            | 25                   | 28            | 2/3/2024        | (not specified) | 7                      |
| 2/3/2024 17:00 | 50.6            | 0                | NNE            | 25                   | 28            | 2/3/2024        | (not specified) | 7                      |
| 2/3/2024 17:30 | 46.3            | 0                | NNE            | 25                   | 28            | 2/3/2024        | (not specified) | 7                      |
| 2/3/2024 18:00 | 43.2            | 0                | NNE            | 25                   | 28            | 2/3/2024        | (not specified) | 7                      |
| 2/3/2024 18:30 | 40.9            | 0                | NNE            | 25                   | 28            | 2/3/2024        | (not specified) | 7                      |
| 2/3/2024 19:00 | 38.7            | 0                | NNE            | 25                   | 28            | 2/3/2024        | (not specified) | 7                      |
| 2/3/2024 19:30 | 37.4            | 1                | NNE            | 25                   | 28            | 2/3/2024        | (not specified) | 7                      |
| 2/3/2024 20:00 | 36.2            | 2                | NNE            | 25                   | 28            | 2/3/2024        | (not specified) | 7                      |
| 2/3/2024 20:30 | 36.8            | 0                | NNE            | 26                   | 28            | 2/3/2024        | (not specified) | 7                      |
| 2/3/2024 21:00 | 35.5            | 0                | NNE            | 26                   | 28            | 2/3/2024        | (not specified) | 7                      |
| 2/3/2024 21:30 | 35.4            | 0                | NNE            | 26                   | 28            | 2/3/2024        | (not specified) | 7                      |
| 2/3/2024 22:00 | 35.1            | 0                | NNE            | 26                   | 28            | 2/3/2024        | (not specified) | 7                      |
| 2/3/2024 22:30 | 33.4            | 3                | NNE            | 26                   | 28            | 2/3/2024        | (not specified) | 7                      |
| 2/3/2024 23:00 | 33.2            | 0                | NNE            | 26                   | 28            | 2/3/2024        | (not specified) | 7                      |
| 2/3/2024 23:30 | 32.8            | 1                | NNE            | 26                   | 28            | 2/3/2024        | (not specified) | 7                      |
| 2/8/2024 0:00  | 39.9            | 0                | WSW            | 246                  |               |                 |                 | 5                      |
| 2/8/2024 0:30  | 39.8            | 0                | WSW            | 246                  |               |                 |                 | 5                      |
| 2/8/2024 1:00  | 39.9            | 0                | WSW            | 246                  |               |                 |                 | 5                      |
| 2/8/2024 1:30  | 39.6            | 0                | WSW            | 246                  |               |                 |                 | 5                      |
| 2/8/2024 2:00  | 39.6            | 0                | WSW            | 246                  |               |                 |                 | 5                      |
| 2/8/2024 2:30  | 39.8            | 0                | WSW            | 246                  |               |                 |                 | 5                      |
| 2/8/2024 3:00  | 39.7            | 0                | WSW            | 246                  |               |                 |                 | 5                      |
| 2/8/2024 3:30  | 39.4            | 0                | WSW            | 246                  |               |                 |                 | 5                      |
| 2/8/2024 4:00  | 39.5            | 0                | WSW            | 246                  |               |                 |                 | 5                      |
| 2/8/2024 4:30  | 40              | 0                | WSW            | 246                  |               |                 |                 | 5                      |
| 2/8/2024 5:00  | 40.1            | 0                | WSW            | 246                  |               |                 |                 | 5                      |
| 2/8/2024 5:30  | 39.8            | 0                | WSW            | 246                  |               |                 |                 | 5                      |
| 2/8/2024 6:00  | 39.8            | 0                | WSW            | 246                  |               |                 |                 | 5                      |
| 2/8/2024 6:30  | 39.7            | 0                | WSW            | 246                  |               |                 |                 | 5                      |
| 2/8/2024 7:00  | 39.2            | 0                | WSW            | 246                  |               |                 |                 | 5                      |
| 2/8/2024 7:30  | 38.7            | 0                | WSW            | 246                  |               |                 |                 | 5                      |
| 2/8/2024 8:00  | 39.1            | 0                | WSW            | 246                  |               |                 |                 | 5                      |
| 2/8/2024 8:30  | 39.7            | 0                | WSW            | 246                  |               |                 |                 | 5                      |
| 2/8/2024 9:00  | 41.1            | 0                | WSW            | 246                  |               |                 |                 | 5                      |
| 2/8/2024 9:30  | 42.2            | 0                | WSW            | 246                  |               |                 |                 | 5                      |
| 2/8/2024 10:00 | 43.1            | 0                | WSW            | 246                  |               |                 |                 | 5                      |
| 2/8/2024 10:30 | 45.2            | 0                | WSW            | 246                  |               |                 |                 | 5                      |
| 2/8/2024 11:00 | 46.8            | 0                | WSW            | 246                  |               |                 |                 | 5                      |
| 2/8/2024 11:30 | 48.4            | 0                | WSW            | 246                  |               |                 |                 | 5                      |
| 2/8/2024 12:00 | 49.2            | 1                | WSW            | 246                  |               |                 |                 | 5                      |
| 2/8/2024 12:30 | 47.1            | 5                | NNE            | 20                   |               |                 |                 | 5                      |
| 2/8/2024 13:00 | 48.2            | 1                | NNE            | 24                   | 29            | 2/8/2024        | 12:46 PM        | 5                      |
| 2/8/2024 13:30 | 49.7            | 2                | NE             | 40                   |               |                 |                 | 5                      |
| 2/8/2024 14:00 | 50.6            | 4                | NNW            | 344                  |               |                 |                 | 5                      |
| 2/8/2024 14:30 | 51              | 6                | WSW            | 258                  |               |                 |                 | 5                      |
| 2/8/2024 15:00 | 50.9            | 8                | SSW            | 213                  |               |                 |                 | 5                      |
| 2/8/2024 15:30 | 49.5            | 4                | WSW            | 237                  |               |                 |                 | 5                      |
| 2/8/2024 16:00 | 48.3            | 1                | WSW            | 237                  |               |                 |                 | 5                      |
| 2/8/2024 16:30 | 47.7            | 6                | SSW            | 192                  |               |                 |                 | 5                      |
| 2/8/2024 17:00 | 46.7            | 2                | WSW            | 240                  |               |                 |                 | 5                      |
| 2/8/2024 17:30 | 45.7            | 2                | SSW            | 205                  |               |                 |                 | 5                      |
| 2/8/2024 18:00 | 44.6            | 1                | S              | 186                  |               |                 |                 | 5                      |
| 2/8/2024 18:30 | 44.1            | 0                | S              | 180                  |               |                 |                 | 5                      |
| 2/8/2024 19:00 | 43.5            | 0                | S              | 180                  |               |                 |                 | 5                      |
| 2/8/2024 19:30 | 42.3            | 0                | S              | 180                  |               |                 |                 | 5                      |
| 2/8/2024 20:00 | 42.2            | 0                | S              | 180                  |               |                 |                 | 5                      |
| 2/8/2024 20:30 | 40.3            | 0                | S              | 180                  |               |                 |                 | 5                      |
| 2/8/2024 21:00 | 39.2            | 0                | S              | 180                  |               |                 |                 | 5                      |
| 2/8/2024 21:30 | 37.6            | 0                | S              | 180                  |               |                 |                 | 5                      |
| 2/8/2024 22:00 | 37.2            | 0                | S              | 180                  |               |                 |                 | 5                      |
| 2/8/2024 22:30 | 36.6            | 0                | S              | 180                  |               |                 |                 | 5                      |
| 2/8/2024 23:00 | 36.9            | 0                | S              | 180                  |               |                 |                 | 5                      |

## Coffin Butte Landfill On-site Meteorological Data for Recent Odor Complaints (2022 to 2024)

| Time Stamp      | Temperature (F) | Wind Speed (mph) | Wind Direction | Wind Direction (deg) | Odor Event ID | Odor Event Date | Odor Event Time | Odor Event Day of Week |
|-----------------|-----------------|------------------|----------------|----------------------|---------------|-----------------|-----------------|------------------------|
| 2/8/2024 23:30  | 37.7            | 0                | S              | 180                  |               |                 |                 | 5                      |
| 2/10/2024 0:00  | 41.7            | 0                | S              | 178                  |               |                 |                 | 7                      |
| 2/10/2024 0:30  | 41.5            | 0                | S              | 178                  |               |                 |                 | 7                      |
| 2/10/2024 1:00  | 41.1            | 0                | S              | 178                  |               |                 |                 | 7                      |
| 2/10/2024 1:30  | 40.7            | 0                | S              | 178                  |               |                 |                 | 7                      |
| 2/10/2024 2:00  | 41.4            | 0                | S              | 178                  |               |                 |                 | 7                      |
| 2/10/2024 2:30  | 41.3            | 0                | S              | 178                  |               |                 |                 | 7                      |
| 2/10/2024 3:00  | 40.2            | 0                | S              | 178                  |               |                 |                 | 7                      |
| 2/10/2024 3:30  | 40.1            | 0                | S              | 178                  |               |                 |                 | 7                      |
| 2/10/2024 4:00  | 40.4            | 0                | S              | 178                  |               |                 |                 | 7                      |
| 2/10/2024 4:30  | 40.7            | 0                | S              | 178                  |               |                 |                 | 7                      |
| 2/10/2024 5:00  | 40.8            | 0                | S              | 178                  |               |                 |                 | 7                      |
| 2/10/2024 5:30  | 40.9            | 0                | S              | 178                  |               |                 |                 | 7                      |
| 2/10/2024 6:00  | 40.8            | 0                | S              | 178                  |               |                 |                 | 7                      |
| 2/10/2024 6:30  | 40.8            | 0                | S              | 178                  |               |                 |                 | 7                      |
| 2/10/2024 7:00  | 40.7            | 0                | S              | 178                  |               |                 |                 | 7                      |
| 2/10/2024 7:30  | 40.7            | 0                | S              | 178                  | 30            | 2/10/2024       | 7:30 AM         | 7                      |
| 2/10/2024 8:00  | 40.7            | 0                | S              | 178                  |               |                 |                 | 7                      |
| 2/10/2024 8:30  | 39.9            | 0                | S              | 178                  | 31            | 2/10/2024       | 8:30 AM         | 7                      |
| 2/10/2024 9:00  | 40.5            | 0                | S              | 178                  |               |                 |                 | 7                      |
| 2/10/2024 9:30  | 41.5            | 0                | S              | 178                  | 32            | 2/10/2024       | 9:29 AM         | 7                      |
| 2/10/2024 10:00 | 41.7            | 0                | S              | 178                  |               |                 |                 | 7                      |
| 2/10/2024 10:30 | 46.1            | 0                | S              | 178                  |               |                 |                 | 7                      |
| 2/10/2024 11:00 | 48              | 1                | NNE            | 22                   |               |                 |                 | 7                      |
| 2/10/2024 11:30 | 48.3            | 0                | NE             | 40                   |               |                 |                 | 7                      |
| 2/10/2024 12:00 | 48.8            | 0                | NE             | 39                   |               |                 |                 | 7                      |
| 2/10/2024 12:30 | 50.7            | 0                | S              | 180                  |               |                 |                 | 7                      |
| 2/10/2024 13:00 | 52.1            | 0                | SW             | 220                  |               |                 |                 | 7                      |
| 2/10/2024 13:30 | 51.5            | 0                | NNE            | 19                   |               |                 |                 | 7                      |
| 2/10/2024 14:00 | 52.8            | 0                | S              | 173                  |               |                 |                 | 7                      |
| 2/10/2024 14:30 | 51.3            | 0                | S              | 190                  |               |                 |                 | 7                      |
| 2/10/2024 15:00 | 52.4            | 0                | S              | 190                  |               |                 |                 | 7                      |
| 2/10/2024 15:30 | 54.4            | 0                | S              | 190                  |               |                 |                 | 7                      |
| 2/10/2024 16:00 | 53.8            | 0                | N              | 9                    |               |                 |                 | 7                      |
| 2/10/2024 16:30 | 52.9            | 1                | N              | 11                   |               |                 |                 | 7                      |
| 2/10/2024 17:00 | 51.6            | 0                | N              | 11                   |               |                 |                 | 7                      |
| 2/10/2024 17:30 | 48.6            | 0                | N              | 11                   |               |                 |                 | 7                      |
| 2/10/2024 18:00 | 46              | 0                | N              | 11                   |               |                 |                 | 7                      |
| 2/10/2024 18:30 | 45              | 0                | N              | 11                   |               |                 |                 | 7                      |
| 2/10/2024 19:00 | 44.2            | 0                | N              | 11                   |               |                 |                 | 7                      |
| 2/10/2024 19:30 | 43.3            | 0                | N              | 11                   |               |                 |                 | 7                      |
| 2/10/2024 20:00 | 42.6            | 0                | N              | 11                   |               |                 |                 | 7                      |
| 2/10/2024 20:30 | 42.5            | 0                | N              | 11                   |               |                 |                 | 7                      |
| 2/10/2024 21:00 | 41.9            | 0                | N              | 11                   |               |                 |                 | 7                      |
| 2/10/2024 21:30 | 41.7            | 0                | N              | 11                   |               |                 |                 | 7                      |
| 2/10/2024 22:00 | 42.2            | 0                | N              | 11                   |               |                 |                 | 7                      |
| 2/10/2024 22:30 | 42              | 0                | N              | 11                   |               |                 |                 | 7                      |
| 2/10/2024 23:00 | 41.6            | 0                | N              | 11                   |               |                 |                 | 7                      |
| 2/10/2024 23:30 | 41.3            | 0                | N              | 11                   |               |                 |                 | 7                      |
| 2/13/2024 0:00  | 32.9            | 0                | SW             | 217                  | 33            | 2/13/2024       | (not specified) | 3                      |
| 2/13/2024 0:30  | 33.3            | 0                | SE             | 126                  | 33            | 2/13/2024       | (not specified) | 3                      |
| 2/13/2024 1:00  | 32.7            | 0                | SE             | 126                  | 33            | 2/13/2024       | (not specified) | 3                      |
| 2/13/2024 1:30  | 33.4            | 0                | SE             | 126                  | 33            | 2/13/2024       | (not specified) | 3                      |
| 2/13/2024 2:00  | 34              | 0                | SE             | 126                  | 33            | 2/13/2024       | (not specified) | 3                      |
| 2/13/2024 2:30  | 34.8            | 0                | SE             | 128                  | 33            | 2/13/2024       | (not specified) | 3                      |
| 2/13/2024 3:00  | 34.8            | 0                | SE             | 128                  | 33            | 2/13/2024       | (not specified) | 3                      |
| 2/13/2024 3:30  | 34.4            | 0                | SE             | 128                  | 33            | 2/13/2024       | (not specified) | 3                      |
| 2/13/2024 4:00  | 34.6            | 0                | SE             | 128                  | 33            | 2/13/2024       | (not specified) | 3                      |
| 2/13/2024 4:30  | 35.1            | 0                | SE             | 128                  | 33            | 2/13/2024       | (not specified) | 3                      |
| 2/13/2024 5:00  | 35.8            | 0                | SE             | 128                  | 33            | 2/13/2024       | (not specified) | 3                      |
| 2/13/2024 5:30  | 36.4            | 0                | SE             | 128                  | 33            | 2/13/2024       | (not specified) | 3                      |
| 2/13/2024 6:00  | 37.2            | 0                | SE             | 128                  | 33            | 2/13/2024       | (not specified) | 3                      |
| 2/13/2024 6:30  | 38.2            | 0                | ENE            | 64                   | 33            | 2/13/2024       | (not specified) | 3                      |
| 2/13/2024 7:00  | 39.1            | 0                | ENE            | 64                   | 33            | 2/13/2024       | (not specified) | 3                      |
| 2/13/2024 7:30  | 38.9            | 3                | NE             | 40                   | 33            | 2/13/2024       | (not specified) | 3                      |
| 2/13/2024 8:00  | 38.7            | 1                | NE             | 36                   | 33            | 2/13/2024       | (not specified) | 3                      |
| 2/13/2024 8:30  | 38.9            | 0                | NNE            | 30                   | 33            | 2/13/2024       | (not specified) | 3                      |
| 2/13/2024 9:00  | 38.6            | 4                | NNE            | 24                   | 33            | 2/13/2024       | (not specified) | 3                      |

## Coffin Butte Landfill On-site Meteorological Data for Recent Odor Complaints (2022 to 2024)

| Time Stamp      | Temperature (F) | Wind Speed (mph) | Wind Direction | Wind Direction (deg) | Odor Event ID | Odor Event Date | Odor Event Time | Odor Event Day of Week |
|-----------------|-----------------|------------------|----------------|----------------------|---------------|-----------------|-----------------|------------------------|
| 2/13/2024 9:30  | 37.9            | 1                | NNE            | 26                   | 33            | 2/13/2024       | (not specified) | 3                      |
| 2/13/2024 10:00 | 37.7            | 2                | NNE            | 22                   | 33            | 2/13/2024       | (not specified) | 3                      |
| 2/13/2024 10:30 | 38.4            | 0                | NNE            | 22                   | 33            | 2/13/2024       | (not specified) | 3                      |
| 2/13/2024 11:00 | 38.7            | 0                | NNE            | 21                   | 33            | 2/13/2024       | (not specified) | 3                      |
| 2/13/2024 11:30 | 39.6            | 0                | SSE            | 157                  | 33            | 2/13/2024       | (not specified) | 3                      |
| 2/13/2024 12:00 | 40.3            | 0                | NNE            | 25                   | 33            | 2/13/2024       | (not specified) | 3                      |
| 2/13/2024 12:30 | 41.2            | 0                | NNE            | 23                   | 33            | 2/13/2024       | (not specified) | 3                      |
| 2/13/2024 13:00 | 42.5            | 0                | NNE            | 21                   | 33            | 2/13/2024       | (not specified) | 3                      |
| 2/13/2024 13:30 | 44.3            | 4                | SSE            | 161                  | 33            | 2/13/2024       | (not specified) | 3                      |
| 2/13/2024 14:00 | 44.5            | 6                | N              | 9                    | 33            | 2/13/2024       | (not specified) | 3                      |
| 2/13/2024 14:30 | 43.4            | 1                | NNE            | 18                   | 33            | 2/13/2024       | (not specified) | 3                      |
| 2/13/2024 15:00 | 42.7            | 3                | NNE            | 18                   | 33            | 2/13/2024       | (not specified) | 3                      |
| 2/13/2024 15:30 | 42.2            | 4                | NNE            | 19                   | 33            | 2/13/2024       | (not specified) | 3                      |
| 2/13/2024 16:00 | 41.7            | 5                | NNE            | 31                   | 33            | 2/13/2024       | (not specified) | 3                      |
| 2/13/2024 16:30 | 41.6            | 1                | NNE            | 24                   | 33            | 2/13/2024       | (not specified) | 3                      |
| 2/13/2024 17:00 | 41.5            | 3                | NNE            | 28                   | 33            | 2/13/2024       | (not specified) | 3                      |
| 2/13/2024 17:30 | 41.2            | 0                | NNE            | 28                   | 33            | 2/13/2024       | (not specified) | 3                      |
| 2/13/2024 18:00 | 40.6            | 4                | NNE            | 24                   | 33            | 2/13/2024       | (not specified) | 3                      |
| 2/13/2024 18:30 | 40.1            | 0                | NNE            | 27                   | 33            | 2/13/2024       | (not specified) | 3                      |
| 2/13/2024 19:00 | 40.1            | 0                | NNE            | 27                   | 33            | 2/13/2024       | (not specified) | 3                      |
| 2/13/2024 19:30 | 40              | 0                | NNE            | 27                   | 33            | 2/13/2024       | (not specified) | 3                      |
| 2/13/2024 20:00 | 39.8            | 0                | NNE            | 26                   | 33            | 2/13/2024       | (not specified) | 3                      |
| 2/13/2024 20:30 | 39.6            | 0                | SE             | 125                  | 33            | 2/13/2024       | (not specified) | 3                      |
| 2/13/2024 21:00 | 39.3            | 0                | SSE            | 165                  | 33            | 2/13/2024       | (not specified) | 3                      |
| 2/13/2024 21:30 | 39.4            | 0                | SSE            | 165                  | 33            | 2/13/2024       | (not specified) | 3                      |
| 2/13/2024 22:00 | 39.1            | 0                | SSE            | 165                  | 33            | 2/13/2024       | (not specified) | 3                      |
| 2/13/2024 22:30 | 38.6            | 0                | SSE            | 165                  | 33            | 2/13/2024       | (not specified) | 3                      |
| 2/13/2024 23:00 | 38.4            | 0                | SSE            | 165                  | 33            | 2/13/2024       | (not specified) | 3                      |
| 2/13/2024 23:30 | 38              | 0                | N              | 9                    | 33            | 2/13/2024       | (not specified) | 3                      |
| 2/14/2024 0:00  | 37.6            | 0                | NNE            | 21                   |               |                 |                 | 4                      |
| 2/14/2024 0:30  | 37.4            | 0                | NNE            | 22                   |               |                 |                 | 4                      |
| 2/14/2024 1:00  | 37.3            | 0                | NNE            | 22                   |               |                 |                 | 4                      |
| 2/14/2024 1:30  | 37              | 2                | NNE            | 25                   |               |                 |                 | 4                      |
| 2/14/2024 2:00  | 36.6            | 0                | NNE            | 26                   |               |                 |                 | 4                      |
| 2/14/2024 2:30  | 36.6            | 0                | NNE            | 26                   |               |                 |                 | 4                      |
| 2/14/2024 3:00  | 36.5            | 0                | NNE            | 26                   |               |                 |                 | 4                      |
| 2/14/2024 3:30  | 36.1            | 2                | NNE            | 27                   |               |                 |                 | 4                      |
| 2/14/2024 4:00  | 36              | 0                | NNE            | 27                   |               |                 |                 | 4                      |
| 2/14/2024 4:30  | 36.1            | 0                | NNE            | 27                   |               |                 |                 | 4                      |
| 2/14/2024 5:00  | 36              | 2                | NNE            | 27                   |               |                 |                 | 4                      |
| 2/14/2024 5:30  | 35.7            | 1                | NNE            | 30                   |               |                 |                 | 4                      |
| 2/14/2024 6:00  | 35.9            | 0                | SW             | 228                  |               |                 |                 | 4                      |
| 2/14/2024 6:30  | 35.8            | 4                | SW             | 231                  |               |                 |                 | 4                      |
| 2/14/2024 7:00  | 35.3            | 0                | S              | 173                  |               |                 |                 | 4                      |
| 2/14/2024 7:30  | 35.4            | 0                | SSE            | 157                  |               |                 |                 | 4                      |
| 2/14/2024 8:00  | 35.6            | 0                | SSE            | 157                  |               |                 |                 | 4                      |
| 2/14/2024 8:30  | 35.9            | 0                | NNE            | 25                   | 34            | 2/14/2024       | 8:30 AM         | 4                      |
| 2/14/2024 9:00  | 36.2            | 0                | NNE            | 25                   |               |                 |                 | 4                      |
| 2/14/2024 9:30  | 36.4            | 0                | NNE            | 24                   |               |                 |                 | 4                      |
| 2/14/2024 10:00 | 36.5            | 0                | SSE            | 162                  |               |                 |                 | 4                      |
| 2/14/2024 10:30 | 36.5            | 0                | SSE            | 161                  |               |                 |                 | 4                      |
| 2/14/2024 11:00 | 36.6            | 0                | NNE            | 33                   | 35            | 2/14/2024       | 11:00 AM        | 4                      |
| 2/14/2024 11:30 | 36.6            | 0                | NNE            | 28                   |               |                 |                 | 4                      |
| 2/14/2024 12:00 | 36.7            | 0                | NNE            | 20                   |               |                 |                 | 4                      |
| 2/14/2024 12:30 | 37.1            | 0                | NNE            | 22                   |               |                 |                 | 4                      |
| 2/14/2024 13:00 | 37.7            | 0                | N              | 11                   |               |                 |                 | 4                      |
| 2/14/2024 13:30 | 37.9            | 0                | WNW            | 300                  |               |                 |                 | 4                      |
| 2/14/2024 14:00 | 38.6            | 2                | NW             | 313                  |               |                 |                 | 4                      |
| 2/14/2024 14:30 | 38.8            | 0                | NW             | 306                  |               |                 |                 | 4                      |
| 2/14/2024 15:00 | 39              | 1                | W              | 271                  |               |                 |                 | 4                      |
| 2/14/2024 15:30 | 39.1            | 0                | W              | 281                  |               |                 |                 | 4                      |
| 2/14/2024 16:00 | 39.3            | 0                | W              | 281                  |               |                 |                 | 4                      |
| 2/14/2024 16:30 | 39.3            | 0                | W              | 281                  |               |                 |                 | 4                      |
| 2/14/2024 17:00 | 39.2            | 0                | W              | 281                  |               |                 |                 | 4                      |
| 2/14/2024 17:30 | 39.2            | 0                | SW             | 232                  |               |                 |                 | 4                      |
| 2/14/2024 18:00 | 39.2            | 0                | SW             | 232                  |               |                 |                 | 4                      |
| 2/14/2024 18:30 | 39.2            | 0                | SW             | 232                  |               |                 |                 | 4                      |
| 2/14/2024 19:00 | 39.3            | 1                | WSW            | 252                  |               |                 |                 | 4                      |
| 2/14/2024 19:30 | 39.6            | 0                | NNE            | 30                   |               |                 |                 | 4                      |
| 2/14/2024 20:00 | 41.9            | 0                | S              | 170                  |               |                 |                 | 4                      |

## Coffin Butte Landfill On-site Meteorological Data for Recent Odor Complaints (2022 to 2024)

| Time Stamp      | Temperature (F) | Wind Speed (mph) | Wind Direction | Wind Direction (deg) | Odor Event ID | Odor Event Date | Odor Event Time | Odor Event Day of Week |
|-----------------|-----------------|------------------|----------------|----------------------|---------------|-----------------|-----------------|------------------------|
| 2/14/2024 20:30 | 44.2            | 2                | S              | 170                  |               |                 |                 | 4                      |
| 2/14/2024 21:00 | 44.9            | 1                | SSW            | 192                  |               |                 |                 | 4                      |
| 2/14/2024 21:30 | 44.9            | 6                | S              | 185                  |               |                 |                 | 4                      |
| 2/14/2024 22:00 | 45              | 3                | S              | 177                  |               |                 |                 | 4                      |
| 2/14/2024 22:30 | 45.1            | 6                | SSW            | 213                  |               |                 |                 | 4                      |
| 2/14/2024 23:00 | 45.1            | 6                | SSW            | 213                  |               |                 |                 | 4                      |
| 2/14/2024 23:30 | 44.9            | 10               | SSW            | 211                  |               |                 |                 | 4                      |
| 2/15/2024 0:00  | 45.1            | 9                | SE             | 136                  |               |                 |                 | 5                      |
| 2/15/2024 0:30  | 45.2            | 7                | SE             | 126                  |               |                 |                 | 5                      |
| 2/15/2024 1:00  | 45              | 9                | SSE            | 159                  |               |                 |                 | 5                      |
| 2/15/2024 1:30  | 45.1            | 7                | SE             | 138                  |               |                 |                 | 5                      |
| 2/15/2024 2:00  | 44.9            | 8                | SE             | 142                  |               |                 |                 | 5                      |
| 2/15/2024 2:30  | 44.8            | 11               | ESE            | 105                  |               |                 |                 | 5                      |
| 2/15/2024 3:00  | 44.8            | 7                | S              | 172                  |               |                 |                 | 5                      |
| 2/15/2024 3:30  | 44.7            | 5                | SSW            | 214                  |               |                 |                 | 5                      |
| 2/15/2024 4:00  | 44.8            | 3                | SSW            | 193                  |               |                 |                 | 5                      |
| 2/15/2024 4:30  | 44.9            | 0                | SSE            | 162                  |               |                 |                 | 5                      |
| 2/15/2024 5:00  | 44.9            | 1                | SSE            | 159                  |               |                 |                 | 5                      |
| 2/15/2024 5:30  | 44.8            | 1                | SSE            | 157                  |               |                 |                 | 5                      |
| 2/15/2024 6:00  | 44.6            | 1                | SSE            | 157                  |               |                 |                 | 5                      |
| 2/15/2024 6:30  | 44              | 2                | SSE            | 157                  |               |                 |                 | 5                      |
| 2/15/2024 7:00  | 43.8            | 0                | SSE            | 157                  |               |                 |                 | 5                      |
| 2/15/2024 7:30  | 43.7            | 0                | SSE            | 157                  |               |                 |                 | 5                      |
| 2/15/2024 8:00  | 43.4            | 0                | SSE            | 157                  |               |                 |                 | 5                      |
| 2/15/2024 8:30  | 44              | 2                | SSE            | 157                  |               |                 |                 | 5                      |
| 2/15/2024 9:00  | 44.3            | 0                | SSE            | 157                  |               |                 |                 | 5                      |
| 2/15/2024 9:30  | 45.3            | 1                | SSE            | 157                  |               |                 |                 | 5                      |
| 2/15/2024 10:00 | 46              | 1                | SSE            | 158                  |               |                 |                 | 5                      |
| 2/15/2024 10:30 | 46.7            | 1                | SSE            | 158                  |               |                 |                 | 5                      |
| 2/15/2024 11:00 | 48              | 2                | SSE            | 158                  |               |                 |                 | 5                      |
| 2/15/2024 11:30 | 48.5            | 3                | SSE            | 158                  |               |                 |                 | 5                      |
| 2/15/2024 12:00 | 48.6            | 2                | SSE            | 159                  |               |                 |                 | 5                      |
| 2/15/2024 12:30 | 48.3            | 0                | SSE            | 159                  |               |                 |                 | 5                      |
| 2/15/2024 13:00 | 47.9            | 0                | SSE            | 159                  |               |                 |                 | 5                      |
| 2/15/2024 13:30 | 47.9            | 0                | SSE            | 159                  |               |                 |                 | 5                      |
| 2/15/2024 14:00 | 47.6            | 1                | SSE            | 159                  |               |                 |                 | 5                      |
| 2/15/2024 14:30 | 47.3            | 0                | SSE            | 159                  |               |                 |                 | 5                      |
| 2/15/2024 15:00 | 47.6            | 1                | SSE            | 159                  |               |                 |                 | 5                      |
| 2/15/2024 15:30 | 47.2            | 2                | SSE            | 159                  |               |                 |                 | 5                      |
| 2/15/2024 16:00 | 46.7            | 0                | NNE            | 30                   |               |                 |                 | 5                      |
| 2/15/2024 16:30 | 46.4            | 2                | NNE            | 29                   |               |                 |                 | 5                      |
| 2/15/2024 17:00 | 46.3            | 0                | NNE            | 29                   |               |                 |                 | 5                      |
| 2/15/2024 17:30 | 46.1            | 0                | NNE            | 29                   |               |                 |                 | 5                      |
| 2/15/2024 18:00 | 46              | 0                | NNE            | 29                   |               |                 |                 | 5                      |
| 2/15/2024 18:30 | 46              | 0                | NNE            | 29                   |               |                 |                 | 5                      |
| 2/15/2024 19:00 | 45.8            | 0                | NNE            | 29                   |               |                 |                 | 5                      |
| 2/15/2024 19:30 | 45.8            | 0                | NNE            | 29                   |               |                 |                 | 5                      |
| 2/15/2024 20:00 | 46              | 0                | NW             | 318                  |               |                 |                 | 5                      |
| 2/15/2024 20:30 | 44.4            | 1                | NW             | 306                  |               |                 |                 | 5                      |
| 2/15/2024 21:00 | 43.7            | 5                | N              | 5                    |               |                 |                 | 5                      |
| 2/15/2024 21:30 | 43.4            | 2                | NW             | 311                  |               |                 |                 | 5                      |
| 2/15/2024 22:00 | 43.2            | 1                | N              | 11                   |               |                 |                 | 5                      |
| 2/15/2024 22:30 | 43.3            | 0                | NE             | 36                   |               |                 |                 | 5                      |
| 2/15/2024 23:00 | 43.4            | 3                | WSW            | 257                  | 36            | 2/15/2024       | 10:51 PM        | 5                      |
| 2/15/2024 23:30 | 42.7            | 4                | NNE            | 18                   |               |                 |                 | 5                      |
| 2/16/2024 0:00  | 41.6            | 4                | NW             | 311                  |               |                 |                 | 6                      |
| 2/16/2024 0:30  | 41.1            | 10               | NNW            | 346                  |               |                 |                 | 6                      |
| 2/16/2024 1:00  | 40.6            | 2                | NNW            | 331                  |               |                 |                 | 6                      |
| 2/16/2024 1:30  | 40.1            | 2                | NW             | 313                  |               |                 |                 | 6                      |
| 2/16/2024 2:00  | 40.2            | 7                | WNW            | 298                  |               |                 |                 | 6                      |
| 2/16/2024 2:30  | 39.6            | 2                | NE             | 42                   |               |                 |                 | 6                      |
| 2/16/2024 3:00  | 39.4            | 8                | W              | 267                  |               |                 |                 | 6                      |
| 2/16/2024 3:30  | 39.1            | 0                | W              | 269                  |               |                 |                 | 6                      |
| 2/16/2024 4:00  | 38.8            | 10               | W              | 270                  |               |                 |                 | 6                      |
| 2/16/2024 4:30  | 38.5            | 6                | W              | 261                  |               |                 |                 | 6                      |
| 2/16/2024 5:00  | 38.5            | 4                | W              | 265                  |               |                 |                 | 6                      |
| 2/16/2024 5:30  | 38.2            | 10               | WSW            | 256                  |               |                 |                 | 6                      |
| 2/16/2024 6:00  | 37.9            | 6                | W              | 270                  |               |                 |                 | 6                      |
| 2/16/2024 6:30  | 37.7            | 7                | WNW            | 296                  |               |                 |                 | 6                      |
| 2/16/2024 7:00  | 37.7            | 4                | WNW            | 290                  |               |                 |                 | 6                      |

## Coffin Butte Landfill On-site Meteorological Data for Recent Odor Complaints (2022 to 2024)

| Time Stamp      | Temperature (F) | Wind Speed (mph) | Wind Direction | Wind Direction (deg) | Odor Event ID | Odor Event Date | Odor Event Time | Odor Event Day of Week |
|-----------------|-----------------|------------------|----------------|----------------------|---------------|-----------------|-----------------|------------------------|
| 2/16/2024 7:30  | 37.4            | 3                | W              | 278                  |               |                 |                 | 6                      |
| 2/16/2024 8:00  | 37.3            | 4                | NNW            | 338                  |               |                 |                 | 6                      |
| 2/16/2024 8:30  | 37.4            | 4                | NW             | 316                  |               |                 |                 | 6                      |
| 2/16/2024 9:00  | 37.7            | 8                | W              | 275                  |               |                 |                 | 6                      |
| 2/16/2024 9:30  | 38.3            | 3                | NW             | 307                  |               |                 |                 | 6                      |
| 2/16/2024 10:00 | 38.5            | 8                | WSW            | 257                  |               |                 |                 | 6                      |
| 2/16/2024 10:30 | 38.9            | 8                | WSW            | 252                  |               |                 |                 | 6                      |
| 2/16/2024 11:00 | 39.8            | 3                | WNW            | 301                  |               |                 |                 | 6                      |
| 2/16/2024 11:30 | 41.1            | 3                | W              | 261                  |               |                 |                 | 6                      |
| 2/16/2024 12:00 | 43              | 4                | WSW            | 242                  |               |                 |                 | 6                      |
|                 |                 |                  |                |                      |               |                 |                 |                        |
| 2/20/2024 0:00  | 43.8            | 1                | WSW            | 241                  |               |                 |                 | 3                      |
| 2/20/2024 0:30  | 43.7            | 1                | WSW            | 241                  |               |                 |                 | 3                      |
| 2/20/2024 1:00  | 44.2            | 5                | SSE            | 163                  |               |                 |                 | 3                      |
| 2/20/2024 1:30  | 43.5            | 1                | SSE            | 162                  |               |                 |                 | 3                      |
| 2/20/2024 2:00  | 43.1            | 1                | SSE            | 162                  |               |                 |                 | 3                      |
| 2/20/2024 2:30  | 43.8            | 0                | SSE            | 162                  |               |                 |                 | 3                      |
| 2/20/2024 3:00  | 43.3            | 0                | SSE            | 162                  |               |                 |                 | 3                      |
| 2/20/2024 3:30  | 42.5            | 0                | SSE            | 162                  |               |                 |                 | 3                      |
| 2/20/2024 4:00  | 41.1            | 0                | SSE            | 162                  |               |                 |                 | 3                      |
| 2/20/2024 4:30  | 41.6            | 0                | SSE            | 162                  |               |                 |                 | 3                      |
| 2/20/2024 5:00  | 42.4            | 0                | SSE            | 162                  |               |                 |                 | 3                      |
| 2/20/2024 5:30  | 43              | 0                | SSE            | 162                  |               |                 |                 | 3                      |
| 2/20/2024 6:00  | 43.2            | 4                | SSE            | 162                  |               |                 |                 | 3                      |
| 2/20/2024 6:30  | 43.2            | 1                | NNE            | 30                   |               |                 |                 | 3                      |
| 2/20/2024 7:00  | 42.9            | 3                | ENE            | 65                   |               |                 |                 | 3                      |
| 2/20/2024 7:30  | 42.9            | 1                | ENE            | 60                   |               |                 |                 | 3                      |
| 2/20/2024 8:00  | 43.1            | 2                | ENE            | 60                   |               |                 |                 | 3                      |
| 2/20/2024 8:30  | 43.3            | 0                | ENE            | 63                   |               |                 |                 | 3                      |
| 2/20/2024 9:00  | 44              | 3                | S              | 180                  | 37            | 2/20/2024       | 9:00 AM         | 3                      |
| 2/20/2024 9:30  | 44.1            | 1                | SSW            | 207                  |               |                 |                 | 3                      |
| 2/20/2024 10:00 | 44.3            | 1                | SSW            | 207                  |               |                 |                 | 3                      |
| 2/20/2024 10:30 | 45              | 2                | SSW            | 207                  |               |                 |                 | 3                      |
| 2/20/2024 11:00 | 45.9            | 1                | SSW            | 210                  |               |                 |                 | 3                      |
| 2/20/2024 11:30 | 46.5            | 0                | SSW            | 210                  |               |                 |                 | 3                      |
| 2/20/2024 12:00 | 47              | 2                | SSW            | 210                  |               |                 |                 | 3                      |
| 2/20/2024 12:30 | 48.1            | 0                | SSW            | 210                  |               |                 |                 | 3                      |
| 2/20/2024 13:00 | 49.9            | 2                | SSW            | 213                  |               |                 |                 | 3                      |
| 2/20/2024 13:30 | 50.4            | 0                | NNE            | 25                   |               |                 |                 | 3                      |
| 2/20/2024 14:00 | 50.3            | 0                | NNE            | 22                   |               |                 |                 | 3                      |
| 2/20/2024 14:30 | 50.6            | 4                | NNE            | 18                   |               |                 |                 | 3                      |
| 2/20/2024 15:00 | 51              | 0                | NNE            | 19                   | 38            | 2/20/2024       | 3:00 PM         | 3                      |
| 2/20/2024 15:30 | 51.5            | 0                | NNE            | 20                   | 39            | 2/20/2024       | 3:37 PM         | 3                      |
| 2/20/2024 16:00 | 51.5            | 0                | NNE            | 19                   |               |                 |                 | 3                      |
| 2/20/2024 16:30 | 50.7            | 0                | SW             | 224                  |               |                 |                 | 3                      |
| 2/20/2024 17:00 | 49.9            | 0                | SW             | 224                  |               |                 |                 | 3                      |
| 2/20/2024 17:30 | 49.6            | 1                | SW             | 224                  |               |                 |                 | 3                      |
| 2/20/2024 18:00 | 49.1            | 3                | SW             | 221                  |               |                 |                 | 3                      |
| 2/20/2024 18:30 | 48.7            | 5                | SW             | 219                  |               |                 |                 | 3                      |
| 2/20/2024 19:00 | 48.9            | 2                | SW             | 217                  |               |                 |                 | 3                      |
| 2/20/2024 19:30 | 48.7            | 1                | SSW            | 207                  |               |                 |                 | 3                      |
| 2/20/2024 20:00 | 48              | 2                | SSW            | 207                  |               |                 |                 | 3                      |
| 2/20/2024 20:30 | 47.9            | 4                | SSW            | 213                  |               |                 |                 | 3                      |
| 2/20/2024 21:00 | 48.2            | 4                | SW             | 219                  |               |                 |                 | 3                      |
| 2/20/2024 21:30 | 48.2            | 2                | S              | 180                  |               |                 |                 | 3                      |
| 2/20/2024 22:00 | 47.4            | 0                | ENE            | 72                   |               |                 |                 | 3                      |
| 2/20/2024 22:30 | 47.1            | 2                | SSE            | 150                  |               |                 |                 | 3                      |
| 2/20/2024 23:00 | 46.9            | 1                | SSE            | 161                  |               |                 |                 | 3                      |
| 2/20/2024 23:30 | 46.7            | 0                | SSE            | 161                  |               |                 |                 | 3                      |
|                 |                 |                  |                |                      |               |                 |                 |                        |
| 2/22/2024 0:00  | 45.3            | 0                | S              | 190                  |               |                 |                 | 5                      |
| 2/22/2024 0:30  | 45.4            | 0                | S              | 190                  |               |                 |                 | 5                      |
| 2/22/2024 1:00  | 45.7            | 0                | S              | 190                  |               |                 |                 | 5                      |
| 2/22/2024 1:30  | 45.4            | 0                | S              | 190                  |               |                 |                 | 5                      |
| 2/22/2024 2:00  | 44.8            | 0                | S              | 190                  |               |                 |                 | 5                      |
| 2/22/2024 2:30  | 42.9            | 0                | S              | 190                  |               |                 |                 | 5                      |
| 2/22/2024 3:00  | 43              | 0                | S              | 190                  |               |                 |                 | 5                      |
| 2/22/2024 3:30  | 42.7            | 0                | S              | 190                  |               |                 |                 | 5                      |
| 2/22/2024 4:00  | 43.6            | 3                | S              | 190                  |               |                 |                 | 5                      |
| 2/22/2024 4:30  | 43.4            | 0                | S              | 190                  |               |                 |                 | 5                      |

## Coffin Butte Landfill On-site Meteorological Data for Recent Odor Complaints (2022 to 2024)

| Time Stamp      | Temperature (F) | Wind Speed (mph) | Wind Direction | Wind Direction (deg) | Odor Event ID | Odor Event Date | Odor Event Time | Odor Event Day of Week |
|-----------------|-----------------|------------------|----------------|----------------------|---------------|-----------------|-----------------|------------------------|
| 2/22/2024 5:00  | 43.3            | 0                | S              | 190                  |               |                 |                 | 5                      |
| 2/22/2024 5:30  | 43.2            | 0                | S              | 190                  |               |                 |                 | 5                      |
| 2/22/2024 6:00  | 42.4            | 0                | S              | 190                  |               |                 |                 | 5                      |
| 2/22/2024 6:30  | 40.6            | 0                | S              | 190                  |               |                 |                 | 5                      |
| 2/22/2024 7:00  | 40.9            | 0                | S              | 190                  |               |                 |                 | 5                      |
| 2/22/2024 7:30  | 40.6            | 0                | S              | 190                  |               |                 |                 | 5                      |
| 2/22/2024 8:00  | 41.7            | 0                | S              | 190                  |               |                 |                 | 5                      |
| 2/22/2024 8:30  | 44.1            | 0                | S              | 190                  |               |                 |                 | 5                      |
| 2/22/2024 9:00  | 45.3            | 0                | S              | 190                  |               |                 |                 | 5                      |
| 2/22/2024 9:30  | 46              | 1                | S              | 190                  |               |                 |                 | 5                      |
| 2/22/2024 10:00 | 46.7            | 0                | S              | 189                  |               |                 |                 | 5                      |
| 2/22/2024 10:30 | 48.4            | 0                | S              | 190                  |               |                 |                 | 5                      |
| 2/22/2024 11:00 | 50.9            | 3                | W              | 261                  | 40            | 2/22/2024       | 10:48 AM        | 5                      |
| 2/22/2024 11:30 | 51.4            | 0                | NNW            | 337                  |               |                 |                 | 5                      |
| 2/22/2024 12:00 | 52.8            | 4                | WNW            | 286                  |               |                 |                 | 5                      |
| 2/22/2024 12:30 | 54.1            | 1                | WNW            | 284                  |               |                 |                 | 5                      |
| 2/22/2024 13:00 | 55.7            | 6                | S              | 188                  |               |                 |                 | 5                      |
| 2/22/2024 13:30 | 56              | 0                | NE             | 51                   |               |                 |                 | 5                      |
| 2/22/2024 14:00 | 56.7            | 2                | NNE            | 24                   |               |                 |                 | 5                      |
| 2/22/2024 14:30 | 57.8            | 5                | NNW            | 348                  |               |                 |                 | 5                      |
| 2/22/2024 15:00 | 58.4            | 5                | WSW            | 255                  |               |                 |                 | 5                      |
| 2/22/2024 15:30 | 58.4            | 2                | WSW            | 256                  |               |                 |                 | 5                      |
| 2/22/2024 16:00 | 57.6            | 2                | WNW            | 294                  |               |                 |                 | 5                      |
| 2/22/2024 16:30 | 56.7            | 2                | SW             | 232                  |               |                 |                 | 5                      |
| 2/22/2024 17:00 | 55.1            | 0                | SW             | 232                  |               |                 |                 | 5                      |
| 2/22/2024 17:30 | 53.5            | 0                | SW             | 232                  |               |                 |                 | 5                      |
| 2/22/2024 18:00 | 51.6            | 0                | SW             | 232                  |               |                 |                 | 5                      |
| 2/22/2024 18:30 | 49.6            | 0                | SW             | 232                  |               |                 |                 | 5                      |
| 2/22/2024 19:00 | 48              | 0                | SW             | 232                  |               |                 |                 | 5                      |
| 2/22/2024 19:30 | 46.7            | 1                | SW             | 232                  |               |                 |                 | 5                      |
| 2/22/2024 20:00 | 45.6            | 0                | SW             | 232                  |               |                 |                 | 5                      |
| 2/22/2024 20:30 | 44.3            | 0                | SW             | 232                  |               |                 |                 | 5                      |
| 2/22/2024 21:00 | 44              | 1                | SW             | 232                  |               |                 |                 | 5                      |
| 2/22/2024 21:30 | 42.7            | 0                | SW             | 232                  |               |                 |                 | 5                      |
| 2/22/2024 22:00 | 41.9            | 0                | SW             | 232                  |               |                 |                 | 5                      |
| 2/22/2024 22:30 | 40.7            | 0                | SW             | 232                  |               |                 |                 | 5                      |
| 2/22/2024 23:00 | 40.8            | 0                | SW             | 232                  |               |                 |                 | 5                      |
| 2/22/2024 23:30 | 40.5            | 1                | SW             | 232                  |               |                 |                 | 5                      |
|                 |                 |                  |                |                      |               |                 |                 |                        |
| 2/24/2024 0:00  | 39.3            | 0                | S              | 173                  | 42            | 2/24/2024       | (not specified) | 7                      |
| 2/24/2024 0:30  | 40.4            | 0                | S              | 173                  | 42            | 2/24/2024       | (not specified) | 7                      |
| 2/24/2024 1:00  | 39.8            | 0                | S              | 173                  | 42            | 2/24/2024       | (not specified) | 7                      |
| 2/24/2024 1:30  | 37.9            | 0                | S              | 173                  | 42            | 2/24/2024       | (not specified) | 7                      |
| 2/24/2024 2:00  | 37.3            | 1                | S              | 173                  | 42            | 2/24/2024       | (not specified) | 7                      |
| 2/24/2024 2:30  | 38              | 1                | S              | 173                  | 42            | 2/24/2024       | (not specified) | 7                      |
| 2/24/2024 3:00  | 38.8            | 0                | S              | 173                  | 42            | 2/24/2024       | (not specified) | 7                      |
| 2/24/2024 3:30  | 37.5            | 2                | S              | 173                  | 42            | 2/24/2024       | (not specified) | 7                      |
| 2/24/2024 4:00  | 36.5            | 2                | S              | 173                  | 42            | 2/24/2024       | (not specified) | 7                      |
| 2/24/2024 4:30  | 35.2            | 1                | S              | 173                  | 42            | 2/24/2024       | (not specified) | 7                      |
| 2/24/2024 5:00  | 37.6            | 1                | S              | 173                  | 42            | 2/24/2024       | (not specified) | 7                      |
| 2/24/2024 5:30  | 37.5            | 0                | E              | 86                   | 42            | 2/24/2024       | (not specified) | 7                      |
| 2/24/2024 6:00  | 36              | 0                | E              | 86                   | 42            | 2/24/2024       | (not specified) | 7                      |
| 2/24/2024 6:30  | 35.8            | 1                | E              | 86                   | 42            | 2/24/2024       | (not specified) | 7                      |
| 2/24/2024 7:00  | 34.6            | 1                | E              | 87                   | 42            | 2/24/2024       | (not specified) | 7                      |
| 2/24/2024 7:30  | 34.3            | 0                | E              | 87                   | 42            | 2/24/2024       | (not specified) | 7                      |
| 2/24/2024 8:00  | 35.7            | 0                | E              | 80                   | 42            | 2/24/2024       | (not specified) | 7                      |
| 2/24/2024 8:30  | 36.7            | 0                | E              | 80                   | 42            | 2/24/2024       | (not specified) | 7                      |
| 2/24/2024 9:00  | 39.5            | 2                | E              | 80                   | 42            | 2/24/2024       | (not specified) | 7                      |
| 2/24/2024 9:30  | 42              | 0                | E              | 80                   | 42            | 2/24/2024       | (not specified) | 7                      |
| 2/24/2024 10:00 | 44.9            | 3                | WNW            | 282                  | 42            | 2/24/2024       | (not specified) | 7                      |
| 2/24/2024 10:30 | 46.2            | 0                | W              | 277                  | 42            | 2/24/2024       | (not specified) | 7                      |
| 2/24/2024 11:00 | 48.6            | 0                | NW             | 308                  | 42            | 2/24/2024       | (not specified) | 7                      |
| 2/24/2024 11:30 | 50.2            | 4                | NNE            | 13                   | 42            | 2/24/2024       | (not specified) | 7                      |
| 2/24/2024 12:00 | 51.7            | 3                | NNW            | 330                  | 42            | 2/24/2024       | (not specified) | 7                      |
| 2/24/2024 12:30 | 52.6            | 3                | NNW            | 339                  | 42            | 2/24/2024       | (not specified) | 7                      |
| 2/24/2024 13:00 | 53.9            | 3                | NNE            | 32                   | 41            | 2/24/2024       | 1:00 PM         | 7                      |
| 2/24/2024 13:30 | 54.6            | 3                | NNE            | 24                   | 42            | 2/24/2024       | (not specified) | 7                      |
| 2/24/2024 14:00 | 55.2            | 5                | NNE            | 15                   | 42            | 2/24/2024       | (not specified) | 7                      |
| 2/24/2024 14:30 | 55.5            | 3                | NNW            | 346                  | 42            | 2/24/2024       | (not specified) | 7                      |
| 2/24/2024 15:00 | 56.3            | 4                | NNE            | 13                   | 42            | 2/24/2024       | (not specified) | 7                      |

## Coffin Butte Landfill On-site Meteorological Data for Recent Odor Complaints (2022 to 2024)

| Time Stamp      | Temperature (F) | Wind Speed (mph) | Wind Direction | Wind Direction (deg) | Odor Event ID | Odor Event Date | Odor Event Time | Odor Event Day of Week |
|-----------------|-----------------|------------------|----------------|----------------------|---------------|-----------------|-----------------|------------------------|
| 2/24/2024 15:30 | 56.6            | 3                | NNE            | 16                   | 42            | 2/24/2024       | (not specified) | 7                      |
| 2/24/2024 16:00 | 56.8            | 1                | N              | 5                    | 42            | 2/24/2024       | (not specified) | 7                      |
| 2/24/2024 16:30 | 56.6            | 1                | NNE            | 30                   | 42            | 2/24/2024       | (not specified) | 7                      |
| 2/24/2024 17:00 | 55.8            | 1                | NE             | 38                   | 42            | 2/24/2024       | (not specified) | 7                      |
| 2/24/2024 17:30 | 53.8            | 1                | NE             | 38                   | 42            | 2/24/2024       | (not specified) | 7                      |
| 2/24/2024 18:00 | 50.2            | 0                | NE             | 38                   | 42            | 2/24/2024       | (not specified) | 7                      |
| 2/24/2024 18:30 | 48.8            | 0                | NE             | 40                   | 42            | 2/24/2024       | (not specified) | 7                      |
| 2/24/2024 19:00 | 48              | 0                | NE             | 51                   | 42            | 2/24/2024       | (not specified) | 7                      |
| 2/24/2024 19:30 | 47              | 0                | ENE            | 69                   | 42            | 2/24/2024       | (not specified) | 7                      |
| 2/24/2024 20:00 | 46.1            | 1                | ENE            | 69                   | 42            | 2/24/2024       | (not specified) | 7                      |
| 2/24/2024 20:30 | 45.6            | 0                | ENE            | 69                   | 42            | 2/24/2024       | (not specified) | 7                      |
| 2/24/2024 21:00 | 45.6            | 0                | ENE            | 69                   | 42            | 2/24/2024       | (not specified) | 7                      |
| 2/24/2024 21:30 | 45.4            | 0                | ENE            | 69                   | 42            | 2/24/2024       | (not specified) | 7                      |
| 2/24/2024 22:00 | 44.7            | 0                | ENE            | 69                   | 42            | 2/24/2024       | (not specified) | 7                      |
| 2/24/2024 22:30 | 44.1            | 0                | ENE            | 69                   | 42            | 2/24/2024       | (not specified) | 7                      |
| 2/24/2024 23:00 | 44.2            | 0                | ENE            | 69                   | 42            | 2/24/2024       | (not specified) | 7                      |
| 2/24/2024 23:30 | 44.4            | 0                | ENE            | 69                   | 42            | 2/24/2024       | (not specified) | 7                      |
|                 |                 |                  |                |                      |               |                 |                 |                        |
| 3/6/2024 0:00   | 32.2            | 0                | WSW            | 259                  |               |                 |                 | 4                      |
| 3/6/2024 0:30   | 33.6            | 0                | WSW            | 259                  |               |                 |                 | 4                      |
| 3/6/2024 1:00   | 32.1            | 0                | WSW            | 259                  |               |                 |                 | 4                      |
| 3/6/2024 1:30   | 35.2            | 0                | WSW            | 259                  |               |                 |                 | 4                      |
| 3/6/2024 2:00   | 34.5            | 0                | SE             | 130                  |               |                 |                 | 4                      |
| 3/6/2024 2:30   | 32.7            | 0                | SSE            | 147                  |               |                 |                 | 4                      |
| 3/6/2024 3:00   | 29.4            | 0                | NNW            | 330                  |               |                 |                 | 4                      |
| 3/6/2024 3:30   | 28              | 0                | NNW            | 329                  |               |                 |                 | 4                      |
| 3/6/2024 4:00   | 26.8            | 0                | NNW            | 329                  |               |                 |                 | 4                      |
| 3/6/2024 4:30   | 27.5            | 0                | NNW            | 329                  |               |                 |                 | 4                      |
| 3/6/2024 5:00   | 26.4            | 0                | NE             | 55                   |               |                 |                 | 4                      |
| 3/6/2024 5:30   | 26.5            | 0                | SSE            | 163                  |               |                 |                 | 4                      |
| 3/6/2024 6:00   | 26.7            | 0                | SSE            | 163                  |               |                 |                 | 4                      |
| 3/6/2024 6:30   | 25.9            | 0                | SSE            | 163                  |               |                 |                 | 4                      |
| 3/6/2024 7:00   | 26.5            | 0                | SSE            | 163                  |               |                 |                 | 4                      |
| 3/6/2024 7:30   | 27.6            | 0                | SSE            | 163                  | 43            | 3/6/2024        | 7:30 AM         | 4                      |
| 3/6/2024 8:00   | 28.5            | 0                | SSE            | 163                  |               |                 |                 | 4                      |
| 3/6/2024 8:30   | 29.3            | 0                | SSE            | 163                  |               |                 |                 | 4                      |
| 3/6/2024 9:00   | 31.3            | 0                | SSE            | 163                  |               |                 |                 | 4                      |
| 3/6/2024 9:30   | 34.5            | 0                | NW             | 326                  |               |                 |                 | 4                      |
| 3/6/2024 10:00  | 37.8            | 4                | SW             | 232                  |               |                 |                 | 4                      |
| 3/6/2024 10:30  | 40.1            | 0                | NNE            | 28                   |               |                 |                 | 4                      |
| 3/6/2024 11:00  | 41.6            | 0                | WNW            | 297                  |               |                 |                 | 4                      |
| 3/6/2024 11:30  | 43.5            | 4                | NE             | 39                   |               |                 |                 | 4                      |
| 3/6/2024 12:00  | 43.7            | 0                | S              | 175                  |               |                 |                 | 4                      |
| 3/6/2024 12:30  | 44.5            | 3                | NNE            | 24                   |               |                 |                 | 4                      |
| 3/6/2024 13:00  | 45.3            | 3                | W              | 275                  |               |                 |                 | 4                      |
| 3/6/2024 13:30  | 46.7            | 3                | NNW            | 338                  |               |                 |                 | 4                      |
| 3/6/2024 14:00  | 46.1            | 1                | N              | 360                  |               |                 |                 | 4                      |
| 3/6/2024 14:30  | 45.9            | 10               | NNE            | 30                   |               |                 |                 | 4                      |
| 3/6/2024 15:00  | 46.8            | 5                | NNE            | 28                   |               |                 |                 | 4                      |
| 3/6/2024 15:30  | 45.4            | 1                | NE             | 41                   |               |                 |                 | 4                      |
| 3/6/2024 16:00  | 46.4            | 2                | NNE            | 20                   |               |                 |                 | 4                      |
| 3/6/2024 16:30  | 45.7            | 2                | NE             | 40                   |               |                 |                 | 4                      |
| 3/6/2024 17:00  | 45.3            | 0                | NNE            | 24                   |               |                 |                 | 4                      |
| 3/6/2024 17:30  | 46.4            | 0                | NNE            | 22                   |               |                 |                 | 4                      |
| 3/6/2024 18:00  | 43.8            | 0                | NNE            | 30                   |               |                 |                 | 4                      |
| 3/6/2024 18:30  | 41.6            | 0                | NNE            | 30                   |               |                 |                 | 4                      |
| 3/6/2024 19:00  | 40.6            | 0                | NNE            | 30                   |               |                 |                 | 4                      |
| 3/6/2024 19:30  | 39.5            | 0                | NNE            | 30                   |               |                 |                 | 4                      |
| 3/6/2024 20:00  | 38.6            | 0                | NNE            | 30                   |               |                 |                 | 4                      |
| 3/6/2024 20:30  | 38.2            | 0                | NNE            | 29                   |               |                 |                 | 4                      |
| 3/6/2024 21:00  | 37              | 0                | NNE            | 29                   |               |                 |                 | 4                      |
| 3/6/2024 21:30  | 35.5            | 0                | NNE            | 29                   |               |                 |                 | 4                      |
| 3/6/2024 22:00  | 34              | 0                | NNE            | 29                   |               |                 |                 | 4                      |
| 3/6/2024 22:30  | 33.2            | 0                | NNE            | 29                   |               |                 |                 | 4                      |
| 3/6/2024 23:00  | 32.4            | 0                | NNE            | 29                   |               |                 |                 | 4                      |
| 3/6/2024 23:30  | 31.9            | 0                | NNE            | 29                   |               |                 |                 | 4                      |
|                 |                 |                  |                |                      |               |                 |                 |                        |
| 3/8/2024 0:00   | 30.3            | 0                | SSE            | 147                  |               |                 |                 | 6                      |
| 3/8/2024 0:30   | 31.4            | 0                | SSE            | 147                  |               |                 |                 | 6                      |
| 3/8/2024 1:00   | 30.5            | 0                | SSE            | 147                  |               |                 |                 | 6                      |

## Coffin Butte Landfill On-site Meteorological Data for Recent Odor Complaints (2022 to 2024)

| Time Stamp      | Temperature (F) | Wind Speed (mph) | Wind Direction | Wind Direction (deg) | Odor Event ID | Odor Event Date | Odor Event Time | Odor Event Day of Week |
|-----------------|-----------------|------------------|----------------|----------------------|---------------|-----------------|-----------------|------------------------|
| 3/8/2024 1:30   | 29.8            | 0                | SSE            | 147                  |               |                 |                 | 6                      |
| 3/8/2024 2:00   | 29.2            | 0                | SSE            | 147                  |               |                 |                 | 6                      |
| 3/8/2024 2:30   | 28.7            | 0                | SSE            | 147                  |               |                 |                 | 6                      |
| 3/8/2024 3:00   | 28.5            | 0                | SSE            | 147                  |               |                 |                 | 6                      |
| 3/8/2024 3:30   | 28.9            | 0                | SSE            | 147                  |               |                 |                 | 6                      |
| 3/8/2024 4:00   | 28.8            | 0                | SSE            | 147                  |               |                 |                 | 6                      |
| 3/8/2024 4:30   | 29.4            | 0                | SSE            | 147                  |               |                 |                 | 6                      |
| 3/8/2024 5:00   | 29.5            | 0                | SSE            | 147                  |               |                 |                 | 6                      |
| 3/8/2024 5:30   | 29.1            | 0                | SSE            | 147                  |               |                 |                 | 6                      |
| 3/8/2024 6:00   | 29.1            | 0                | SSE            | 147                  |               |                 |                 | 6                      |
| 3/8/2024 6:30   | 29.4            | 0                | SSE            | 147                  |               |                 |                 | 6                      |
| 3/8/2024 7:00   | 29.6            | 0                | SSE            | 147                  |               |                 |                 | 6                      |
| 3/8/2024 7:30   | 30.8            | 0                | SSE            | 147                  |               |                 |                 | 6                      |
| 3/8/2024 8:00   | 31.8            | 0                | SSE            | 147                  |               |                 |                 | 6                      |
| 3/8/2024 8:30   | 33.2            | 0                | SSE            | 147                  | 44            | 3/8/2024        | 8:30 AM         | 6                      |
| 3/8/2024 9:00   | 35.7            | 0                | SSE            | 147                  |               |                 |                 | 6                      |
| 3/8/2024 9:30   | 38.4            | 0                | SE             | 146                  |               |                 |                 | 6                      |
| 3/8/2024 10:00  | 41.6            | 0                | ESE            | 119                  |               |                 |                 | 6                      |
| 3/8/2024 10:30  | 44              | 0                | NNE            | 22                   |               |                 |                 | 6                      |
| 3/8/2024 11:00  | 46.2            | 0                | NNE            | 34                   |               |                 |                 | 6                      |
| 3/8/2024 11:30  | 48.1            | 0                | NNE            | 21                   |               |                 |                 | 6                      |
| 3/8/2024 12:00  | 49.9            | 2                | NNE            | 23                   |               |                 |                 | 6                      |
| 3/8/2024 12:30  | 51.3            | 0                | NNE            | 13                   |               |                 |                 | 6                      |
| 3/8/2024 13:00  | 52.9            | 1                | NNE            | 25                   | 45            | 3/8/2024        | 1:00 PM         | 6                      |
| 3/8/2024 13:30  | 54.1            | 9                | NNE            | 24                   |               |                 |                 | 6                      |
| 3/8/2024 14:00  | 55.3            | 3                | NNE            | 28                   |               |                 |                 | 6                      |
| 3/8/2024 14:30  | 56.8            | 6                | SSW            | 200                  |               |                 |                 | 6                      |
| 3/8/2024 15:00  | 58              | 0                | SE             | 134                  |               |                 |                 | 6                      |
| 3/8/2024 15:30  | 58.7            | 0                | S              | 178                  |               |                 |                 | 6                      |
| 3/8/2024 16:00  | 59.9            | 5                | SSE            | 159                  |               |                 |                 | 6                      |
| 3/8/2024 16:30  | 59.7            | 0                | S              | 172                  |               |                 |                 | 6                      |
| 3/8/2024 17:00  | 59              | 0                | SE             | 140                  |               |                 |                 | 6                      |
| 3/8/2024 17:30  | 55.5            | 0                | SE             | 140                  |               |                 |                 | 6                      |
| 3/8/2024 18:00  | 52.2            | 0                | SE             | 140                  |               |                 |                 | 6                      |
| 3/8/2024 18:30  | 48.4            | 0                | SE             | 140                  |               |                 |                 | 6                      |
| 3/8/2024 19:00  | 46.7            | 0                | SE             | 140                  |               |                 |                 | 6                      |
| 3/8/2024 19:30  | 44.6            | 0                | SE             | 140                  |               |                 |                 | 6                      |
| 3/8/2024 20:00  | 43.6            | 0                | SE             | 140                  |               |                 |                 | 6                      |
| 3/8/2024 20:30  | 42.7            | 0                | S              | 185                  |               |                 |                 | 6                      |
| 3/8/2024 21:00  | 41.8            | 0                | SSE            | 163                  |               |                 |                 | 6                      |
| 3/8/2024 21:30  | 41.3            | 0                | SSE            | 163                  |               |                 |                 | 6                      |
| 3/8/2024 22:00  | 41              | 0                | S              | 186                  |               |                 |                 | 6                      |
| 3/8/2024 22:30  | 41              | 0                | NW             | 320                  |               |                 |                 | 6                      |
| 3/8/2024 23:00  | 39.7            | 0                | W              | 262                  |               |                 |                 | 6                      |
| 3/8/2024 23:30  | 39              | 0                | W              | 276                  |               |                 |                 | 6                      |
|                 |                 |                  |                |                      |               |                 |                 |                        |
| 3/12/2024 0:00  | 45.4            | 7                | SSE            | 165                  |               |                 |                 | 3                      |
| 3/12/2024 0:30  | 45.3            | 14               | SSW            | 207                  |               |                 |                 | 3                      |
| 3/12/2024 1:00  | 45.6            | 3                | SSE            | 147                  |               |                 |                 | 3                      |
| 3/12/2024 1:30  | 45.3            | 6                | S              | 185                  |               |                 |                 | 3                      |
| 3/12/2024 2:00  | 45.7            | 4                | SSW            | 198                  |               |                 |                 | 3                      |
| 3/12/2024 2:30  | 45.7            | 5                | SSE            | 163                  |               |                 |                 | 3                      |
| 3/12/2024 3:00  | 45.8            | 8                | S              | 172                  |               |                 |                 | 3                      |
| 3/12/2024 3:30  | 45.7            | 7                | S              | 174                  |               |                 |                 | 3                      |
| 3/12/2024 4:00  | 45.2            | 4                | S              | 189                  |               |                 |                 | 3                      |
| 3/12/2024 4:30  | 44.8            | 4                | SSW            | 198                  |               |                 |                 | 3                      |
| 3/12/2024 5:00  | 44.7            | 2                | SSW            | 213                  |               |                 |                 | 3                      |
| 3/12/2024 5:30  | 45.3            | 3                | SSW            | 206                  |               |                 |                 | 3                      |
| 3/12/2024 6:00  | 44.7            | 7                | SSW            | 192                  |               |                 |                 | 3                      |
| 3/12/2024 6:30  | 44              | 3                | S              | 187                  |               |                 |                 | 3                      |
| 3/12/2024 7:00  | 44              | 1                | S              | 187                  |               |                 |                 | 3                      |
| 3/12/2024 7:30  | 43.9            | 6                | S              | 177                  |               |                 |                 | 3                      |
| 3/12/2024 8:00  | 42.7            | 3                | S              | 191                  |               |                 |                 | 3                      |
| 3/12/2024 8:30  | 42.8            | 4                | SSW            | 196                  |               |                 |                 | 3                      |
| 3/12/2024 9:00  | 43.8            | 6                | SW             | 227                  |               |                 |                 | 3                      |
| 3/12/2024 9:30  | 44.3            | 5                | SSW            | 197                  |               |                 |                 | 3                      |
| 3/12/2024 10:00 | 44.8            | 5                | S              | 191                  |               |                 |                 | 3                      |
| 3/12/2024 10:30 | 46.2            | 7                | SSW            | 209                  |               |                 |                 | 3                      |
| 3/12/2024 11:00 | 46.2            | 7                | SSW            | 209                  |               |                 |                 | 3                      |
| 3/12/2024 11:30 | 46.2            | 7                | SSW            | 209                  |               |                 |                 | 3                      |

## Coffin Butte Landfill On-site Meteorological Data for Recent Odor Complaints (2022 to 2024)

| Time Stamp      | Temperature (F) | Wind Speed (mph) | Wind Direction | Wind Direction (deg) | Odor Event ID | Odor Event Date | Odor Event Time | Odor Event Day of Week |
|-----------------|-----------------|------------------|----------------|----------------------|---------------|-----------------|-----------------|------------------------|
| 3/12/2024 12:00 | 48.4            | 11               | SSW            | 197                  |               |                 |                 | 3                      |
| 3/12/2024 12:30 | 49.9            | 9                | SW             | 234                  |               |                 |                 | 3                      |
| 3/12/2024 13:00 | 51              | 10               | W              | 281                  |               |                 |                 | 3                      |
| 3/12/2024 13:30 | 51.9            | 9                | SSW            | 198                  |               |                 |                 | 3                      |
| 3/12/2024 14:00 | 49.2            | 6                | SW             | 221                  |               |                 |                 | 3                      |
| 3/12/2024 14:30 | 50.1            | 9                | SSW            | 196                  | 46            | 3/12/2024       | 2:30 PM         | 3                      |
| 3/12/2024 15:00 | 50.3            | 8                | SSW            | 194                  |               |                 |                 | 3                      |
| 3/12/2024 15:30 | 52.6            | 10               | WSW            | 248                  |               |                 |                 | 3                      |
| 3/12/2024 16:00 | 51.9            | 10               | SSW            | 192                  |               |                 |                 | 3                      |
| 3/12/2024 16:30 | 49.7            | 9                | SSW            | 197                  |               |                 |                 | 3                      |
| 3/12/2024 17:00 | 49.4            | 10               | SSW            | 206                  |               |                 |                 | 3                      |
| 3/12/2024 17:30 | 49.9            | 8                | SW             | 232                  |               |                 |                 | 3                      |
| 3/12/2024 18:00 | 45              | 8                | SW             | 231                  |               |                 |                 | 3                      |
| 3/12/2024 18:30 | 44.3            | 4                | SSW            | 193                  |               |                 |                 | 3                      |
| 3/12/2024 19:00 | 43.6            | 0                | SSW            | 192                  |               |                 |                 | 3                      |
| 3/12/2024 19:30 | 42              | 0                | SSW            | 192                  |               |                 |                 | 3                      |
| 3/12/2024 20:00 | 40.3            | 0                | SSW            | 192                  |               |                 |                 | 3                      |
| 3/12/2024 20:30 | 39.5            | 0                | SSW            | 192                  |               |                 |                 | 3                      |
| 3/12/2024 21:00 | 39.1            | 0                | SSW            | 210                  |               |                 |                 | 3                      |
| 3/12/2024 21:30 | 38.9            | 0                | SSW            | 210                  |               |                 |                 | 3                      |
| 3/12/2024 22:00 | 40.3            | 0                | SSW            | 210                  |               |                 |                 | 3                      |
| 3/12/2024 22:30 | 40.2            | 0                | SSW            | 207                  |               |                 |                 | 3                      |
| 3/12/2024 23:00 | 39.9            | 0                | SSW            | 207                  |               |                 |                 | 3                      |
| 3/12/2024 23:30 | 39.8            | 0                | SSW            | 202                  |               |                 |                 | 3                      |
|                 |                 |                  |                |                      |               |                 |                 |                        |
| 3/23/2024 0:00  | 45.9            | 0                | S              | 180                  |               |                 |                 | 7                      |
| 3/23/2024 0:30  | 45.3            | 0                | S              | 180                  |               |                 |                 | 7                      |
| 3/23/2024 1:00  | 44.8            | 0                | S              | 180                  |               |                 |                 | 7                      |
| 3/23/2024 1:30  | 45              | 1                | S              | 180                  |               |                 |                 | 7                      |
| 3/23/2024 2:00  | 45.3            | 0                | S              | 180                  |               |                 |                 | 7                      |
| 3/23/2024 2:30  | 44.7            | 0                | S              | 180                  |               |                 |                 | 7                      |
| 3/23/2024 3:00  | 45              | 0                | NNE            | 34                   |               |                 |                 | 7                      |
| 3/23/2024 3:30  | 45.1            | 0                | SE             | 132                  |               |                 |                 | 7                      |
| 3/23/2024 4:00  | 44.6            | 0                | ESE            | 115                  |               |                 |                 | 7                      |
| 3/23/2024 4:30  | 43.6            | 2                | ENE            | 57                   |               |                 |                 | 7                      |
| 3/23/2024 5:00  | 43.3            | 2                | NE             | 44                   |               |                 |                 | 7                      |
| 3/23/2024 5:30  | 43.3            | 0                | NE             | 38                   |               |                 |                 | 7                      |
| 3/23/2024 6:00  | 43.4            | 0                | NE             | 38                   |               |                 |                 | 7                      |
| 3/23/2024 6:30  | 42.9            | 0                | NE             | 37                   |               |                 |                 | 7                      |
| 3/23/2024 7:00  | 42.7            | 1                | NE             | 37                   |               |                 |                 | 7                      |
| 3/23/2024 7:30  | 44              | 0                | NE             | 37                   |               |                 |                 | 7                      |
| 3/23/2024 8:00  | 44.7            | 0                | NE             | 40                   | 47            | 3/23/2024       | 8:00 AM         | 7                      |
| 3/23/2024 8:30  | 45.3            | 6                | SSW            | 194                  |               |                 |                 | 7                      |
| 3/23/2024 9:00  | 46.4            | 6                | SW             | 219                  |               |                 |                 | 7                      |
| 3/23/2024 9:30  | 47.9            | 4                | SW             | 236                  |               |                 |                 | 7                      |
| 3/23/2024 10:00 | 47.9            | 4                | SW             | 220                  |               |                 |                 | 7                      |
| 3/23/2024 10:30 | 47.4            | 4                | SSE            | 166                  |               |                 |                 | 7                      |
| 3/23/2024 11:00 | 48              | 2                | SSE            | 161                  |               |                 |                 | 7                      |
| 3/23/2024 11:30 | 48.6            | 4                | SW             | 223                  |               |                 |                 | 7                      |
| 3/23/2024 12:00 | 48.7            | 4                | SSW            | 195                  |               |                 |                 | 7                      |
| 3/23/2024 12:30 | 50.3            | 2                | SE             | 144                  |               |                 |                 | 7                      |
| 3/23/2024 13:00 | 50.3            | 2                | SSE            | 169                  |               |                 |                 | 7                      |
| 3/23/2024 13:30 | 50.5            | 9                | S              | 188                  |               |                 |                 | 7                      |
| 3/23/2024 14:00 | 50.7            | 11               | S              | 177                  |               |                 |                 | 7                      |
| 3/23/2024 14:30 | 50.3            | 3                | S              | 176                  |               |                 |                 | 7                      |
| 3/23/2024 15:00 | 50.3            | 4                | SSE            | 161                  |               |                 |                 | 7                      |
| 3/23/2024 15:30 | 50.1            | 2                | S              | 173                  |               |                 |                 | 7                      |
| 3/23/2024 16:00 | 51              | 1                | SSE            | 157                  |               |                 |                 | 7                      |
| 3/23/2024 16:30 | 52.2            | 6                | SSE            | 164                  |               |                 |                 | 7                      |
| 3/23/2024 17:00 | 49.7            | 0                | SSW            | 207                  |               |                 |                 | 7                      |
| 3/23/2024 17:30 | 50.3            | 0                | SSW            | 195                  |               |                 |                 | 7                      |
| 3/23/2024 18:00 | 52.1            | 0                | S              | 178                  |               |                 |                 | 7                      |
| 3/23/2024 18:30 | 50.5            | 0                | SSE            | 168                  |               |                 |                 | 7                      |
| 3/23/2024 19:00 | 50.2            | 0                | SSE            | 168                  |               |                 |                 | 7                      |
| 3/23/2024 19:30 | 49              | 0                | SSE            | 168                  |               |                 |                 | 7                      |
| 3/23/2024 20:00 | 47.9            | 0                | SSE            | 168                  |               |                 |                 | 7                      |
| 3/23/2024 20:30 | 47.1            | 1                | SSE            | 168                  |               |                 |                 | 7                      |
| 3/23/2024 21:00 | 46.5            | 0                | SSE            | 168                  |               |                 |                 | 7                      |
| 3/23/2024 21:30 | 45.2            | 0                | SSE            | 168                  |               |                 |                 | 7                      |
| 3/23/2024 22:00 | 44.2            | 0                | SSE            | 168                  |               |                 |                 | 7                      |

## Coffin Butte Landfill On-site Meteorological Data for Recent Odor Complaints (2022 to 2024)

| Time Stamp      | Temperature (F) | Wind Speed (mph) | Wind Direction | Wind Direction (deg) | Odor Event ID | Odor Event Date | Odor Event Time | Odor Event Day of Week |
|-----------------|-----------------|------------------|----------------|----------------------|---------------|-----------------|-----------------|------------------------|
| 3/23/2024 22:30 | 42.9            | 0                | SSE            | 168                  |               |                 |                 | 7                      |
| 3/23/2024 23:00 | 42.1            | 0                | SSE            | 168                  |               |                 |                 | 7                      |
| 3/23/2024 23:30 | 41.7            | 0                | SSE            | 168                  |               |                 |                 | 7                      |
| 4/1/2024 0:00   | 44.9            | 0                | SSW            | 213                  |               |                 |                 | 2                      |
| 4/1/2024 0:30   | 44.6            | 0                | SSW            | 213                  |               |                 |                 | 2                      |
| 4/1/2024 1:00   | 44.8            | 0                | SSW            | 213                  |               |                 |                 | 2                      |
| 4/1/2024 1:30   | 44.1            | 0                | SSW            | 213                  |               |                 |                 | 2                      |
| 4/1/2024 2:00   | 41.8            | 0                | SSW            | 213                  |               |                 |                 | 2                      |
| 4/1/2024 2:30   | 40.7            | 0                | SSW            | 213                  |               |                 |                 | 2                      |
| 4/1/2024 3:00   | 41              | 0                | SSW            | 213                  |               |                 |                 | 2                      |
| 4/1/2024 3:30   | 41.3            | 0                | SSW            | 213                  |               |                 |                 | 2                      |
| 4/1/2024 4:00   | 40              | 1                | SSW            | 213                  |               |                 |                 | 2                      |
| 4/1/2024 4:30   | 40.2            | 0                | SSW            | 213                  |               |                 |                 | 2                      |
| 4/1/2024 5:00   | 37.9            | 0                | SSW            | 212                  |               |                 |                 | 2                      |
| 4/1/2024 5:30   | 37.4            | 0                | SSW            | 212                  |               |                 |                 | 2                      |
| 4/1/2024 6:00   | 38.7            | 0                | SSW            | 212                  |               |                 |                 | 2                      |
| 4/1/2024 6:30   | 37.2            | 0                | SSW            | 212                  |               |                 |                 | 2                      |
| 4/1/2024 7:00   | 36.7            | 0                | SSW            | 212                  |               |                 |                 | 2                      |
| 4/1/2024 7:30   | 37              | 0                | SSW            | 212                  |               |                 |                 | 2                      |
| 4/1/2024 8:00   | 37.9            | 0                | SSW            | 213                  | 48            | 4/1/2024        | 8:00 AM         | 2                      |
| 4/1/2024 8:30   | 39.8            | 0                | SSW            | 213                  |               |                 |                 | 2                      |
| 4/1/2024 9:00   | 42.3            | 0                | SSW            | 213                  | 49            | 4/1/2024        | 9:00 AM         | 2                      |
| 4/1/2024 9:30   | 43.9            | 0                | SSW            | 213                  |               |                 |                 | 2                      |
| 4/1/2024 10:00  | 46.8            | 0                | SSW            | 213                  |               |                 |                 | 2                      |
| 4/1/2024 10:30  | 52.2            | 2                | N              | 9                    |               |                 |                 | 2                      |
| 4/1/2024 11:00  | 56              | 0                | NNE            | 22                   |               |                 |                 | 2                      |
| 4/1/2024 11:30  | 58.1            | 0                | S              | 183                  |               |                 |                 | 2                      |
| 4/1/2024 12:00  | 58.8            | 0                | S              | 180                  |               |                 |                 | 2                      |
| 4/1/2024 12:30  | 60.6            | 2                | SSE            | 168                  |               |                 |                 | 2                      |
| 4/1/2024 13:00  | 62.2            | 2                | SSE            | 150                  |               |                 |                 | 2                      |
| 4/1/2024 13:30  | 63.8            | 1                | ENE            | 59                   |               |                 |                 | 2                      |
| 4/1/2024 14:00  | 64.6            | 3                | NNE            | 29                   |               |                 |                 | 2                      |
| 4/1/2024 14:30  | 65.8            | 4                | N              | 5                    |               |                 |                 | 2                      |
| 4/1/2024 15:00  | 66.8            | 0                | NNE            | 29                   |               |                 |                 | 2                      |
| 4/1/2024 15:30  | 68.1            | 3                | NNE            | 23                   |               |                 |                 | 2                      |
| 4/1/2024 16:00  | 68.6            | 5                | NNE            | 23                   |               |                 |                 | 2                      |
| 4/1/2024 16:30  | 69.1            | 4                | NNE            | 22                   |               |                 |                 | 2                      |
| 4/1/2024 17:00  | 69.6            | 0                | SSE            | 163                  |               |                 |                 | 2                      |
| 4/1/2024 17:30  | 69.3            | 2                | NNE            | 18                   |               |                 |                 | 2                      |
| 4/1/2024 18:00  | 70.1            | 1                | NNE            | 17                   |               |                 |                 | 2                      |
| 4/1/2024 18:30  | 69.2            | 0                | NNE            | 17                   |               |                 |                 | 2                      |
| 4/1/2024 19:00  | 67.8            | 0                | NNE            | 17                   |               |                 |                 | 2                      |
| 4/1/2024 19:30  | 64.7            | 0                | NNE            | 17                   |               |                 |                 | 2                      |
| 4/1/2024 20:00  | 59.6            | 0                | NNE            | 17                   |               |                 |                 | 2                      |
| 4/1/2024 20:30  | 57.2            | 0                | NNE            | 17                   |               |                 |                 | 2                      |
| 4/1/2024 21:00  | 56.1            | 0                | NNE            | 17                   |               |                 |                 | 2                      |
| 4/1/2024 21:30  | 55              | 0                | ESE            | 111                  |               |                 |                 | 2                      |
| 4/1/2024 22:00  | 52.2            | 0                | ESE            | 111                  |               |                 |                 | 2                      |
| 4/1/2024 22:30  | 50.9            | 0                | ESE            | 111                  |               |                 |                 | 2                      |
| 4/1/2024 23:00  | 51              | 1                | ESE            | 111                  |               |                 |                 | 2                      |
| 4/1/2024 23:30  | 50.9            | 0                | SE             | 126                  | 50            | 4/1/2024        | 11:30 PM        | 2                      |
| 4/2/2024 0:00   | 50.3            | 0                | SE             | 144                  |               |                 |                 | 3                      |
| 4/2/2024 0:30   | 48.5            | 0                | SSW            | 192                  |               |                 |                 | 3                      |
| 4/2/2024 1:00   | 47.1            | 0                | NW             | 306                  |               |                 |                 | 3                      |
| 4/2/2024 1:30   | 46.7            | 0                | NW             | 306                  |               |                 |                 | 3                      |
| 4/2/2024 2:00   | 46.7            | 0                | NW             | 306                  |               |                 |                 | 3                      |
| 4/2/2024 2:30   | 45.8            | 0                | NW             | 306                  |               |                 |                 | 3                      |
| 4/2/2024 3:00   | 44.8            | 0                | NW             | 306                  |               |                 |                 | 3                      |
| 4/2/2024 3:30   | 44              | 0                | NW             | 306                  |               |                 |                 | 3                      |
| 4/2/2024 4:00   | 45              | 0                | NW             | 306                  |               |                 |                 | 3                      |
| 4/2/2024 4:30   | 44.1            | 0                | NW             | 306                  |               |                 |                 | 3                      |
| 4/2/2024 5:00   | 43.4            | 0                | NW             | 306                  |               |                 |                 | 3                      |
| 4/2/2024 5:30   | 43.7            | 0                | NW             | 306                  |               |                 |                 | 3                      |
| 4/2/2024 6:00   | 41.5            | 0                | NW             | 306                  |               |                 |                 | 3                      |
| 4/2/2024 6:30   | 41.4            | 0                | NW             | 306                  |               |                 |                 | 3                      |
| 4/2/2024 7:00   | 42              | 0                | NW             | 306                  |               |                 |                 | 3                      |
| 4/2/2024 7:30   | 40.7            | 0                | NW             | 306                  |               |                 |                 | 3                      |
| 4/2/2024 8:00   | 42.4            | 0                | NW             | 306                  |               |                 |                 | 3                      |
| 4/2/2024 8:30   | 45.8            | 0                | NW             | 306                  |               |                 |                 | 3                      |

## Coffin Butte Landfill On-site Meteorological Data for Recent Odor Complaints (2022 to 2024)

| Time Stamp      | Temperature (F) | Wind Speed (mph) | Wind Direction | Wind Direction (deg) | Odor Event ID | Odor Event Date | Odor Event Time | Odor Event Day of Week |
|-----------------|-----------------|------------------|----------------|----------------------|---------------|-----------------|-----------------|------------------------|
| 4/2/2024 9:00   | 48              | 1                | NNE            | 21                   |               |                 |                 | 3                      |
| 4/2/2024 9:30   | 50.2            | 2                | NNE            | 23                   |               |                 |                 | 3                      |
| 4/2/2024 10:00  | 52.6            | 0                | N              | 360                  |               |                 |                 | 3                      |
| 4/2/2024 10:30  | 57.4            | 1                | NW             | 321                  |               |                 |                 | 3                      |
| 4/2/2024 11:00  | 61.3            | 2                | SSE            | 165                  |               |                 |                 | 3                      |
| 4/2/2024 11:30  | 64.1            | 0                | S              | 171                  |               |                 |                 | 3                      |
| 4/2/2024 12:00  | 65.8            | 1                | S              | 182                  |               |                 |                 | 3                      |
|                 |                 |                  |                |                      |               |                 |                 |                        |
| 4/12/2024 0:00  | 46.7            | 0                | SSW            | 196                  |               |                 |                 | 6                      |
| 4/12/2024 0:30  | 46.6            | 0                | SSW            | 196                  |               |                 |                 | 6                      |
| 4/12/2024 1:00  | 46.5            | 0                | SSW            | 196                  |               |                 |                 | 6                      |
| 4/12/2024 1:30  | 46.3            | 0                | SSW            | 196                  |               |                 |                 | 6                      |
| 4/12/2024 2:00  | 46.2            | 0                | SSW            | 196                  |               |                 |                 | 6                      |
| 4/12/2024 2:30  | 46.2            | 0                | SSW            | 196                  |               |                 |                 | 6                      |
| 4/12/2024 3:00  | 46.2            | 0                | WNW            | 282                  |               |                 |                 | 6                      |
| 4/12/2024 3:30  | 46.2            | 0                | WNW            | 282                  |               |                 |                 | 6                      |
| 4/12/2024 4:00  | 46.1            | 0                | WNW            | 282                  |               |                 |                 | 6                      |
| 4/12/2024 4:30  | 46              | 0                | WNW            | 282                  |               |                 |                 | 6                      |
| 4/12/2024 5:00  | 46.3            | 0                | WNW            | 282                  |               |                 |                 | 6                      |
| 4/12/2024 5:30  | 46.3            | 0                | WNW            | 282                  |               |                 |                 | 6                      |
| 4/12/2024 6:00  | 46.4            | 0                | NNE            | 31                   |               |                 |                 | 6                      |
| 4/12/2024 6:30  | 46.2            | 1                | NNE            | 34                   |               |                 |                 | 6                      |
| 4/12/2024 7:00  | 46.3            | 0                | NNE            | 34                   | 51            | 4/12/2024       | 7:00 AM         | 6                      |
| 4/12/2024 7:30  | 46.6            | 0                | W              | 268                  |               |                 |                 | 6                      |
| 4/12/2024 8:00  | 46.7            | 1                | W              | 265                  |               |                 |                 | 6                      |
| 4/12/2024 8:30  | 46.8            | 3                | WSW            | 248                  |               |                 |                 | 6                      |
| 4/12/2024 9:00  | 47.3            | 4                | W              | 267                  |               |                 |                 | 6                      |
| 4/12/2024 9:30  | 48.7            | 0                | NE             | 36                   |               |                 |                 | 6                      |
| 4/12/2024 10:00 | 50.1            | 1                | ENE            | 65                   |               |                 |                 | 6                      |
| 4/12/2024 10:30 | 50.1            | 0                | SW             | 215                  |               |                 |                 | 6                      |
| 4/12/2024 11:00 | 52.1            | 1                | SSW            | 198                  |               |                 |                 | 6                      |
| 4/12/2024 11:30 | 53.9            | 1                | S              | 179                  |               |                 |                 | 6                      |
| 4/12/2024 12:00 | 54.9            | 0                | W              | 262                  |               |                 |                 | 6                      |
| 4/12/2024 12:30 | 56              | 0                | SSE            | 166                  |               |                 |                 | 6                      |
| 4/12/2024 13:00 | 56.8            | 7                | SW             | 217                  |               |                 |                 | 6                      |
| 4/12/2024 13:30 | 56.9            | 2                | WSW            | 249                  |               |                 |                 | 6                      |
| 4/12/2024 14:00 | 58.6            | 4                | SSW            | 212                  |               |                 |                 | 6                      |
| 4/12/2024 14:30 | 59.6            | 0                | SE             | 128                  |               |                 |                 | 6                      |
| 4/12/2024 15:00 | 61.3            | 2                | NNE            | 32                   |               |                 |                 | 6                      |
| 4/12/2024 15:30 | 60.7            | 0                | N              | 11                   |               |                 |                 | 6                      |
| 4/12/2024 16:00 | 62.8            | 5                | NW             | 312                  |               |                 |                 | 6                      |
| 4/12/2024 16:30 | 62.9            | 0                | ENE            | 78                   |               |                 |                 | 6                      |
| 4/12/2024 17:00 | 62.9            | 1                | WSW            | 257                  |               |                 |                 | 6                      |
| 4/12/2024 17:30 | 62.3            | 1                | WSW            | 241                  |               |                 |                 | 6                      |
| 4/12/2024 18:00 | 62.4            | 0                | SW             | 234                  |               |                 |                 | 6                      |
| 4/12/2024 18:30 | 62.2            | 0                | WSW            | 237                  |               |                 |                 | 6                      |
| 4/12/2024 19:00 | 61.4            | 0                | WSW            | 240                  |               |                 |                 | 6                      |
| 4/12/2024 19:30 | 60.9            | 0                | WSW            | 240                  |               |                 |                 | 6                      |
| 4/12/2024 20:00 | 59.8            | 0                | WSW            | 240                  |               |                 |                 | 6                      |
| 4/12/2024 20:30 | 58.4            | 0                | WSW            | 240                  |               |                 |                 | 6                      |
| 4/12/2024 21:00 | 57.6            | 0                | WSW            | 240                  |               |                 |                 | 6                      |
| 4/12/2024 21:30 | 56.6            | 0                | WSW            | 240                  |               |                 |                 | 6                      |
| 4/12/2024 22:00 | 56.3            | 0                | WSW            | 240                  |               |                 |                 | 6                      |
| 4/12/2024 22:30 | 58.3            | 0                | WSW            | 240                  |               |                 |                 | 6                      |
| 4/12/2024 23:00 | 57.8            | 0                | WSW            | 240                  |               |                 |                 | 6                      |
| 4/12/2024 23:30 | 58              | 0                | ESE            | 115                  |               |                 |                 | 6                      |
|                 |                 |                  |                |                      |               |                 |                 |                        |
| 5/2/2024 0:00   | 45.1            | 0                | WSW            | 240                  |               |                 |                 | 5                      |
| 5/2/2024 0:30   | 44.7            | 0                | SW             | 215                  |               |                 |                 | 5                      |
| 5/2/2024 1:00   | 44.7            | 0                | NNW            | 327                  |               |                 |                 | 5                      |
| 5/2/2024 1:30   | 44.6            | 0                | NNW            | 336                  |               |                 |                 | 5                      |
| 5/2/2024 2:00   | 44.9            | 0                | W              | 281                  |               |                 |                 | 5                      |
| 5/2/2024 2:30   | 45.3            | 2                | NNE            | 17                   |               |                 |                 | 5                      |
| 5/2/2024 3:00   | 45.7            | 0                | NNE            | 20                   |               |                 |                 | 5                      |
| 5/2/2024 3:30   | 46              | 0                | NNE            | 20                   |               |                 |                 | 5                      |
| 5/2/2024 4:00   | 46.1            | 1                | NNE            | 19                   |               |                 |                 | 5                      |
| 5/2/2024 4:30   | 46.2            | 0                | NNE            | 19                   |               |                 |                 | 5                      |
| 5/2/2024 5:00   | 45.9            | 1                | NNE            | 26                   |               |                 |                 | 5                      |
| 5/2/2024 5:30   | 45.6            | 0                | NE             | 38                   |               |                 |                 | 5                      |
| 5/2/2024 6:00   | 45.4            | 2                | N              | 10                   |               |                 |                 | 5                      |

## Coffin Butte Landfill On-site Meteorological Data for Recent Odor Complaints (2022 to 2024)

| Time Stamp      | Temperature (F) | Wind Speed (mph) | Wind Direction | Wind Direction (deg) | Odor Event ID | Odor Event Date | Odor Event Time | Odor Event Day of Week |
|-----------------|-----------------|------------------|----------------|----------------------|---------------|-----------------|-----------------|------------------------|
| 5/2/2024 6:30   | 45.4            | 0                | NNE            | 34                   |               |                 |                 | 5                      |
| 5/2/2024 7:00   | 45.2            | 2                | W              | 264                  |               |                 |                 | 5                      |
| 5/2/2024 7:30   | 45.2            | 0                | W              | 263                  |               |                 |                 | 5                      |
| 5/2/2024 8:00   | 45.4            | 1                | W              | 264                  |               |                 |                 | 5                      |
| 5/2/2024 8:30   | 45.6            | 1                | WSW            | 252                  |               |                 |                 | 5                      |
| 5/2/2024 9:00   | 46.1            | 0                | WSW            | 252                  |               |                 |                 | 5                      |
| 5/2/2024 9:30   | 46.4            | 0                | WSW            | 252                  |               |                 |                 | 5                      |
| 5/2/2024 10:00  | 46.2            | 6                | W              | 262                  |               |                 |                 | 5                      |
| 5/2/2024 10:30  | 46.7            | 1                | WSW            | 249                  |               |                 |                 | 5                      |
| 5/2/2024 11:00  | 47.8            | 2                | WSW            | 250                  |               |                 |                 | 5                      |
| 5/2/2024 11:30  | 48.9            | 0                | WSW            | 255                  |               |                 |                 | 5                      |
| 5/2/2024 12:00  | 49.2            | 0                | W              | 263                  |               |                 |                 | 5                      |
| 5/2/2024 12:30  | 51.1            | 3                | NNW            | 341                  |               |                 |                 | 5                      |
| 5/2/2024 13:00  | 53.3            | 2                | W              | 268                  |               |                 |                 | 5                      |
| 5/2/2024 13:30  | 56.4            | 4                | NNE            | 13                   |               |                 |                 | 5                      |
| 5/2/2024 14:00  | 55.1            | 0                | N              | 11                   |               |                 |                 | 5                      |
| 5/2/2024 14:30  | 53.7            | 1                | ENE            | 68                   |               |                 |                 | 5                      |
| 5/2/2024 15:00  | 53.7            | 0                | ENE            | 69                   |               |                 |                 | 5                      |
| 5/2/2024 15:30  | 53.7            | 0                | ENE            | 69                   |               |                 |                 | 5                      |
| 5/2/2024 16:00  | 53.7            | 0                | ENE            | 69                   |               |                 |                 | 5                      |
| 5/2/2024 16:30  | 53.7            | 0                | ENE            | 69                   |               |                 |                 | 5                      |
| 5/2/2024 17:00  | 53.7            | 0                | ENE            | 69                   |               |                 |                 | 5                      |
| 5/2/2024 17:30  | 53.7            | 0                | ENE            | 69                   |               |                 |                 | 5                      |
| 5/2/2024 18:00  | 53.7            | 0                | ENE            | 69                   |               |                 |                 | 5                      |
| 5/2/2024 18:30  | 53.7            | 0                | ENE            | 69                   |               |                 |                 | 5                      |
| 5/2/2024 19:00  | 53.7            | 0                | ENE            | 69                   | 52            | 5/2/2024        | 7:00 PM         | 5                      |
| 5/2/2024 19:30  | 53.7            | 0                | ENE            | 69                   |               |                 |                 | 5                      |
| 5/2/2024 20:00  | 53.7            | 0                | ENE            | 69                   |               |                 |                 | 5                      |
| 5/2/2024 20:30  | 53.7            | 0                | ENE            | 69                   |               |                 |                 | 5                      |
| 5/2/2024 21:00  | 53.7            | 0                | ENE            | 69                   |               |                 |                 | 5                      |
| 5/2/2024 21:30  | 53.7            | 0                | ENE            | 69                   |               |                 |                 | 5                      |
| 5/2/2024 22:00  | 53.7            | 0                | ENE            | 69                   |               |                 |                 | 5                      |
| 5/2/2024 22:30  | 53.7            | 0                | ENE            | 69                   |               |                 |                 | 5                      |
| 5/2/2024 23:00  | 53.7            | 0                | ENE            | 69                   |               |                 |                 | 5                      |
| 5/2/2024 23:30  | 53.7            | 0                | ENE            | 69                   |               |                 |                 | 5                      |
|                 |                 |                  |                |                      |               |                 |                 |                        |
| 5/23/2024 0:00  | 50              | 0                | S              | 184                  |               |                 |                 | 5                      |
| 5/23/2024 0:30  | 48.4            | 0                | SSE            | 167                  |               |                 |                 | 5                      |
| 5/23/2024 1:00  | 46.2            | 0                | SSE            | 167                  |               |                 |                 | 5                      |
| 5/23/2024 1:30  | 45.4            | 0                | SSE            | 167                  |               |                 |                 | 5                      |
| 5/23/2024 2:00  | 43.2            | 1                | SSE            | 167                  |               |                 |                 | 5                      |
| 5/23/2024 2:30  | 42.5            | 0                | SSE            | 167                  |               |                 |                 | 5                      |
| 5/23/2024 3:00  | 42.2            | 0                | S              | 184                  |               |                 |                 | 5                      |
| 5/23/2024 3:30  | 42.7            | 0                | S              | 184                  |               |                 |                 | 5                      |
| 5/23/2024 4:00  | 44              | 0                | S              | 184                  |               |                 |                 | 5                      |
| 5/23/2024 4:30  | 43.9            | 0                | S              | 184                  |               |                 |                 | 5                      |
| 5/23/2024 5:00  | 43.2            | 0                | S              | 184                  |               |                 |                 | 5                      |
| 5/23/2024 5:30  | 42.1            | 0                | S              | 184                  |               |                 |                 | 5                      |
| 5/23/2024 6:00  | 40.3            | 0                | S              | 184                  |               |                 |                 | 5                      |
| 5/23/2024 6:30  | 41.1            | 0                | S              | 185                  |               |                 |                 | 5                      |
| 5/23/2024 7:00  | 42.1            | 0                | S              | 185                  |               |                 |                 | 5                      |
| 5/23/2024 7:30  | 45.7            | 4                | NNE            | 24                   | 53            | 5/23/2024       | 7:30 AM         | 5                      |
| 5/23/2024 8:00  | 47.9            | 3                | NNE            | 13                   | 54            | 5/23/2024       | 7:50 AM         | 5                      |
| 5/23/2024 8:30  | 50.1            | 0                | NNE            | 13                   |               |                 |                 | 5                      |
| 5/23/2024 9:00  | 53.9            | 2                | NNE            | 22                   |               |                 |                 | 5                      |
| 5/23/2024 9:30  | 56              | 3                | NNE            | 24                   | 55            | 5/23/2024       | 9:30 AM         | 5                      |
| 5/23/2024 10:00 | 56.3            | 0                | NNE            | 22                   |               |                 |                 | 5                      |
| 5/23/2024 10:30 | 55.5            | 4                | SSW            | 201                  |               |                 |                 | 5                      |
| 5/23/2024 11:00 | 56              | 3                | SSW            | 199                  |               |                 |                 | 5                      |
| 5/23/2024 11:30 | 57.7            | 1                | SSW            | 203                  |               |                 |                 | 5                      |
| 5/23/2024 12:00 | 60.1            | 5                | N              | 11                   |               |                 |                 | 5                      |
| 5/23/2024 12:30 | 59.9            | 0                | E              | 90                   |               |                 |                 | 5                      |
| 5/23/2024 13:00 | 60.5            | 6                | NE             | 35                   |               |                 |                 | 5                      |
| 5/23/2024 13:30 | 62              | 2                | ENE            | 79                   |               |                 |                 | 5                      |
| 5/23/2024 14:00 | 61.7            | 2                | NE             | 46                   |               |                 |                 | 5                      |
| 5/23/2024 14:30 | 63.3            | 1                | WSW            | 238                  |               |                 |                 | 5                      |
| 5/23/2024 15:00 | 62.9            | 5                | NNW            | 345                  |               |                 |                 | 5                      |
| 5/23/2024 15:30 | 63.2            | 6                | NNE            | 34                   |               |                 |                 | 5                      |
| 5/23/2024 16:00 | 64.4            | 0                | NE             | 45                   |               |                 |                 | 5                      |
| 5/23/2024 16:30 | 64.6            | 1                | ENE            | 74                   |               |                 |                 | 5                      |

## Coffin Butte Landfill On-site Meteorological Data for Recent Odor Complaints (2022 to 2024)

| Time Stamp      | Temperature (F) | Wind Speed (mph) | Wind Direction | Wind Direction (deg) | Odor Event ID | Odor Event Date | Odor Event Time | Odor Event Day of Week |
|-----------------|-----------------|------------------|----------------|----------------------|---------------|-----------------|-----------------|------------------------|
| 5/23/2024 17:00 | 64.4            | 5                | NE             | 39                   |               |                 |                 | 5                      |
| 5/23/2024 17:30 | 64.2            | 5                | NE             | 37                   |               |                 |                 | 5                      |
| 5/23/2024 18:00 | 64.2            | 10               | NE             | 36                   | 56            | 5/23/2024       | 6:00 PM         | 5                      |
| 5/23/2024 18:30 | 63.6            | 7                | NE             | 38                   |               |                 |                 | 5                      |
| 5/23/2024 19:00 | 63.6            | 6                | NE             | 51                   |               |                 |                 | 5                      |
| 5/23/2024 19:30 | 62.9            | 8                | NNE            | 31                   |               |                 |                 | 5                      |
| 5/23/2024 20:00 | 60.9            | 3                | N              | 355                  |               |                 |                 | 5                      |
| 5/23/2024 20:30 | 59.2            | 3                | N              | 5                    |               |                 |                 | 5                      |
| 5/23/2024 21:00 | 57.4            | 0                | N              | 5                    |               |                 |                 | 5                      |
| 5/23/2024 21:30 | 52.1            | 0                | N              | 5                    |               |                 |                 | 5                      |
| 5/23/2024 22:00 | 50.1            | 0                | N              | 5                    |               |                 |                 | 5                      |
| 5/23/2024 22:30 | 48.7            | 0                | N              | 5                    |               |                 |                 | 5                      |
| 5/23/2024 23:00 | 48.2            | 0                | N              | 5                    |               |                 |                 | 5                      |
| 5/23/2024 23:30 | 47.4            | 0                | N              | 5                    |               |                 |                 | 5                      |
|                 |                 |                  |                |                      |               |                 |                 |                        |
| 7/11/2024 0:00  | 69.9            | 6                | W              | 273                  |               |                 |                 | 5                      |
| 7/11/2024 0:30  | 69              | 0                | WSW            | 252                  |               |                 |                 | 5                      |
| 7/11/2024 1:00  | 67.8            | 0                | NNW            | 346                  |               |                 |                 | 5                      |
| 7/11/2024 1:30  | 67.2            | 1                | NNW            | 340                  |               |                 |                 | 5                      |
| 7/11/2024 2:00  | 60.2            | 1                | NW             | 322                  |               |                 |                 | 5                      |
| 7/11/2024 2:30  | 56.1            | 2                | NW             | 315                  |               |                 |                 | 5                      |
| 7/11/2024 3:00  | 54.7            | 2                | WNW            | 300                  |               |                 |                 | 5                      |
| 7/11/2024 3:30  | 54.4            | 3                | WNW            | 282                  |               |                 |                 | 5                      |
| 7/11/2024 4:00  | 53.3            | 3                | WNW            | 282                  |               |                 |                 | 5                      |
| 7/11/2024 4:30  | 53.2            | 1                | WNW            | 282                  |               |                 |                 | 5                      |
| 7/11/2024 5:00  | 52.4            | 1                | WNW            | 282                  |               |                 |                 | 5                      |
| 7/11/2024 5:30  | 52.1            | 0                | WNW            | 282                  |               |                 |                 | 5                      |
| 7/11/2024 6:00  | 51              | 2                | WNW            | 282                  |               |                 |                 | 5                      |
| 7/11/2024 6:30  | 52.6            | 1                | W              | 281                  |               |                 |                 | 5                      |
| 7/11/2024 7:00  | 53.7            | 2                | W              | 281                  |               |                 |                 | 5                      |
| 7/11/2024 7:30  | 55.9            | 2                | W              | 264                  |               |                 |                 | 5                      |
| 7/11/2024 8:00  | 61.5            | 6                | W              | 269                  |               |                 |                 | 5                      |
| 7/11/2024 8:30  | 63.7            | 3                | WSW            | 259                  |               |                 |                 | 5                      |
| 7/11/2024 9:00  | 66.9            | 4                | NW             | 314                  |               |                 |                 | 5                      |
| 7/11/2024 9:30  | 68.3            | 4                | WNW            | 294                  |               |                 |                 | 5                      |
| 7/11/2024 10:00 | 70.7            | 2                | NNW            | 342                  |               |                 |                 | 5                      |
| 7/11/2024 10:30 | 72.5            | 1                | NNW            | 341                  |               |                 |                 | 5                      |
| 7/11/2024 11:00 | 73.5            | 4                | WNW            | 302                  |               |                 |                 | 5                      |
| 7/11/2024 11:30 | 76              | 2                | NNE            | 24                   |               |                 |                 | 5                      |
| 7/11/2024 12:00 | 77.5            | 8                | W              | 270                  |               |                 |                 | 5                      |
| 7/11/2024 12:30 | 78.8            | 3                | SW             | 225                  |               |                 |                 | 5                      |
| 7/11/2024 13:00 | 80.9            | 5                | N              | 351                  |               |                 |                 | 5                      |
| 7/11/2024 13:30 | 81.2            | 6                | SW             | 221                  |               |                 |                 | 5                      |
| 7/11/2024 14:00 | 82.9            | 5                | NNE            | 17                   |               |                 |                 | 5                      |
| 7/11/2024 14:30 | 83.4            | 3                | W              | 262                  |               |                 |                 | 5                      |
| 7/11/2024 15:00 | 84              | 2                | W              | 280                  |               |                 |                 | 5                      |
| 7/11/2024 15:30 | 85.9            | 9                | NNE            | 28                   |               |                 |                 | 5                      |
| 7/11/2024 16:00 | 86              | 4                | ENE            | 76                   |               |                 |                 | 5                      |
| 7/11/2024 16:30 | 86.2            | 4                | NNE            | 28                   |               |                 |                 | 5                      |
| 7/11/2024 17:00 | 86.5            | 12               | NE             | 40                   |               |                 |                 | 5                      |
| 7/11/2024 17:30 | 86.6            | 3                | NE             | 56                   |               |                 |                 | 5                      |
| 7/11/2024 18:00 | 85.8            | 3                | N              | 5                    |               |                 |                 | 5                      |
| 7/11/2024 18:30 | 85.4            | 10               | ENE            | 59                   |               |                 |                 | 5                      |
| 7/11/2024 19:00 | 85.1            | 7                | WNW            | 285                  |               |                 |                 | 5                      |
| 7/11/2024 19:30 | 83.5            | 2                | WNW            | 301                  |               |                 |                 | 5                      |
| 7/11/2024 20:00 | 81              | 2                | SW             | 234                  |               |                 |                 | 5                      |
| 7/11/2024 20:30 | 78.1            | 1                | S              | 191                  |               |                 |                 | 5                      |
| 7/11/2024 21:00 | 75.6            | 5                | NW             | 314                  |               |                 |                 | 5                      |
| 7/11/2024 21:30 | 73.4            | 5                | NE             | 37                   |               |                 |                 | 5                      |
| 7/11/2024 22:00 | 70.5            | 0                | NNW            | 327                  |               |                 |                 | 5                      |
| 7/11/2024 22:30 | 68.7            | 6                | N              | 5                    |               |                 |                 | 5                      |
| 7/11/2024 23:00 | 65.9            | 2                | NW             | 315                  |               |                 |                 | 5                      |
| 7/11/2024 23:30 | 62.2            | 1                | NW             | 311                  |               |                 |                 | 5                      |
| 7/12/2024 0:00  | 60.4            | 3                | WSW            | 257                  | 57            | 7/12/2024       | 12:06 AM        | 6                      |
| 7/12/2024 0:30  | 58.9            | 3                | WSW            | 257                  |               |                 |                 | 6                      |
| 7/12/2024 1:00  | 57.6            | 4                | SSE            | 165                  |               |                 |                 | 6                      |
| 7/12/2024 1:30  | 56.9            | 4                | SSE            | 165                  |               |                 |                 | 6                      |
| 7/12/2024 2:00  | 56.6            | 5                | SSE            | 164                  |               |                 |                 | 6                      |
| 7/12/2024 2:30  | 55.8            | 3                | SSE            | 153                  |               |                 |                 | 6                      |
| 7/12/2024 3:00  | 52.3            | 3                | SSE            | 153                  |               |                 |                 | 6                      |

## Coffin Butte Landfill On-site Meteorological Data for Recent Odor Complaints (2022 to 2024)

| Time Stamp      | Temperature (F) | Wind Speed (mph) | Wind Direction | Wind Direction (deg) | Odor Event ID | Odor Event Date | Odor Event Time | Odor Event Day of Week |
|-----------------|-----------------|------------------|----------------|----------------------|---------------|-----------------|-----------------|------------------------|
| 7/12/2024 3:30  | 53              | 3                | SSE            | 153                  |               |                 |                 | 6                      |
| 7/12/2024 4:00  | 51.8            | 3                | SSE            | 153                  |               |                 |                 | 6                      |
| 7/12/2024 4:30  | 51.8            | 3                | SSE            | 153                  |               |                 |                 | 6                      |
| 7/12/2024 5:00  | 50.8            | 2                | SSE            | 153                  |               |                 |                 | 6                      |
| 7/12/2024 5:30  | 50.3            | 1                | SSE            | 153                  |               |                 |                 | 6                      |
| 7/12/2024 6:00  | 51              | 4                | SSE            | 159                  |               |                 |                 | 6                      |
| 7/12/2024 6:30  | 51.2            | 5                | SSE            | 161                  |               |                 |                 | 6                      |
| 7/12/2024 7:00  | 52              | 2                | SSE            | 163                  |               |                 |                 | 6                      |
| 7/12/2024 7:30  | 54.5            | 4                | NW             | 321                  |               |                 |                 | 6                      |
| 7/12/2024 8:00  | 58.1            | 4                | NW             | 317                  |               |                 |                 | 6                      |
| 7/12/2024 8:30  | 60              | 3                | WNW            | 299                  |               |                 |                 | 6                      |
| 7/12/2024 9:00  | 62.2            | 4                | WSW            | 259                  |               |                 |                 | 6                      |
| 7/12/2024 9:30  | 64.6            | 5                | W              | 300                  |               |                 |                 | 6                      |
| 7/12/2024 10:00 | 66.7            | 3                | W              | 271                  |               |                 |                 | 6                      |
| 7/12/2024 10:30 | 69.1            | 5                | N              | 350                  |               |                 |                 | 6                      |
| 7/12/2024 11:00 | 71              | 7                | W              | 275                  |               |                 |                 | 6                      |
| 7/12/2024 11:30 | 73.4            | 5                | SW             | 235                  |               |                 |                 | 6                      |
| 7/12/2024 12:00 | 75.4            | 6                | ENE            | 57                   |               |                 |                 | 6                      |
| 7/24/2024 0:00  | 60.2            | 2                | SSW            | 199                  |               |                 |                 | 4                      |
| 7/24/2024 0:30  | 57.6            | 2                | SSW            | 199                  |               |                 |                 | 4                      |
| 7/24/2024 1:00  | 56.3            | 1                | SSE            | 163                  |               |                 |                 | 4                      |
| 7/24/2024 1:30  | 55.7            | 1                | SSE            | 163                  |               |                 |                 | 4                      |
| 7/24/2024 2:00  | 53.3            | 0                | SW             | 231                  |               |                 |                 | 4                      |
| 7/24/2024 2:30  | 52.6            | 2                | S              | 188                  |               |                 |                 | 4                      |
| 7/24/2024 3:00  | 52.9            | 0                | S              | 188                  |               |                 |                 | 4                      |
| 7/24/2024 3:30  | 52.2            | 1                | S              | 188                  |               |                 |                 | 4                      |
| 7/24/2024 4:00  | 51.6            | 2                | S              | 188                  |               |                 |                 | 4                      |
| 7/24/2024 4:30  | 50.3            | 0                | SSW            | 194                  |               |                 |                 | 4                      |
| 7/24/2024 5:00  | 50.2            | 1                | SSW            | 194                  |               |                 |                 | 4                      |
| 7/24/2024 5:30  | 50.3            | 1                | SSW            | 194                  |               |                 |                 | 4                      |
| 7/24/2024 6:00  | 48.8            | 2                | SSW            | 194                  |               |                 |                 | 4                      |
| 7/24/2024 6:30  | 49.6            | 2                | SSW            | 194                  |               |                 |                 | 4                      |
| 7/24/2024 7:00  | 50.3            | 2                | SSW            | 194                  |               |                 |                 | 4                      |
| 7/24/2024 7:30  | 53.3            | 3                | SSW            | 194                  |               |                 |                 | 4                      |
| 7/24/2024 8:00  | 57              | 1                | SSW            | 194                  |               |                 |                 | 4                      |
| 7/24/2024 8:30  | 62.9            | 1                | SSW            | 195                  |               |                 |                 | 4                      |
| 7/24/2024 9:00  | 64.5            | 3                | W              | 267                  |               |                 |                 | 4                      |
| 7/24/2024 9:30  | 67.1            | 2                | WSW            | 244                  |               |                 |                 | 4                      |
| 7/24/2024 10:00 | 68.8            | 2                | WNW            | 298                  |               |                 |                 | 4                      |
| 7/24/2024 10:30 | 70.2            | 5                | WSW            | 238                  |               |                 |                 | 4                      |
| 7/24/2024 11:00 | 71.8            | 5                | WNW            | 296                  |               |                 |                 | 4                      |
| 7/24/2024 11:30 | 74.3            | 4                | NNE            | 12                   |               |                 |                 | 4                      |
| 7/24/2024 12:00 | 75.7            | 1                | WNW            | 301                  |               |                 |                 | 4                      |
| 7/24/2024 12:30 | 77.8            | 4                | NW             | 306                  |               |                 |                 | 4                      |
| 7/24/2024 13:00 | 78.3            | 6                | S              | 175                  | 58            | 7/24/2024       | 1:00 PM         | 4                      |
| 7/24/2024 13:30 | 80              | 2                | NNW            | 329                  |               |                 |                 | 4                      |
| 7/24/2024 14:00 | 81.2            | 4                | NE             | 40                   |               |                 |                 | 4                      |
| 7/24/2024 14:30 | 82              | 8                | NNE            | 16                   |               |                 |                 | 4                      |
| 7/24/2024 15:00 | 82.1            | 9                | WNW            | 290                  |               |                 |                 | 4                      |
| 7/24/2024 15:30 | 82.3            | 2                | SSW            | 202                  |               |                 |                 | 4                      |
| 7/24/2024 16:00 | 81.6            | 6                | SSW            | 194                  |               |                 |                 | 4                      |
| 7/24/2024 16:30 | 81.8            | 5                | WSW            | 254                  |               |                 |                 | 4                      |
| 7/24/2024 17:00 | 81.2            | 8                | WSW            | 242                  |               |                 |                 | 4                      |
| 7/24/2024 17:30 | 79.2            | 5                | SSW            | 209                  |               |                 |                 | 4                      |
| 7/24/2024 18:00 | 77.6            | 7                | W              | 279                  |               |                 |                 | 4                      |
| 7/24/2024 18:30 | 74.1            | 5                | WSW            | 254                  |               |                 |                 | 4                      |
| 7/24/2024 19:00 | 72.9            | 14               | WSW            | 248                  |               |                 |                 | 4                      |
| 7/24/2024 19:30 | 71.2            | 6                | WSW            | 238                  |               |                 |                 | 4                      |
| 7/24/2024 20:00 | 70.2            | 3                | SW             | 226                  |               |                 |                 | 4                      |
| 7/24/2024 20:30 | 66.9            | 4                | SW             | 223                  |               |                 |                 | 4                      |
| 7/24/2024 21:00 | 65.1            | 1                | SW             | 234                  |               |                 |                 | 4                      |
| 7/24/2024 21:30 | 62.8            | 3                | SW             | 227                  |               |                 |                 | 4                      |
| 7/24/2024 22:00 | 61.3            | 2                | SW             | 227                  |               |                 |                 | 4                      |
| 7/24/2024 22:30 | 60              | 2                | SW             | 222                  |               |                 |                 | 4                      |
| 7/24/2024 23:00 | 58.8            | 1                | SW             | 221                  |               |                 |                 | 4                      |
| 7/24/2024 23:30 | 57.5            | 0                | SW             | 221                  |               |                 |                 | 4                      |
| 7/30/2024 0:00  | 63              | 0                | SW             | 229                  |               |                 |                 | 3                      |
| 7/30/2024 0:30  | 63.2            | 0                | SW             | 229                  |               |                 |                 | 3                      |

## Coffin Butte Landfill On-site Meteorological Data for Recent Odor Complaints (2022 to 2024)

| Time Stamp      | Temperature (F) | Wind Speed (mph) | Wind Direction | Wind Direction (deg) | Odor Event ID | Odor Event Date | Odor Event Time | Odor Event Day of Week |
|-----------------|-----------------|------------------|----------------|----------------------|---------------|-----------------|-----------------|------------------------|
| 7/30/2024 1:00  | 62.8            | 3                | SW             | 229                  |               |                 |                 | 3                      |
| 7/30/2024 1:30  | 62.7            | 2                | SW             | 229                  |               |                 |                 | 3                      |
| 7/30/2024 2:00  | 62.4            | 3                | SW             | 227                  |               |                 |                 | 3                      |
| 7/30/2024 2:30  | 62.5            | 0                | SW             | 227                  |               |                 |                 | 3                      |
| 7/30/2024 3:00  | 62.3            | 0                | SW             | 227                  |               |                 |                 | 3                      |
| 7/30/2024 3:30  | 62.1            | 0                | SW             | 227                  |               |                 |                 | 3                      |
| 7/30/2024 4:00  | 62              | 0                | SW             | 227                  |               |                 |                 | 3                      |
| 7/30/2024 4:30  | 61.4            | 0                | SW             | 227                  |               |                 |                 | 3                      |
| 7/30/2024 5:00  | 61              | 0                | SW             | 227                  |               |                 |                 | 3                      |
| 7/30/2024 5:30  | 60.8            | 0                | SW             | 227                  |               |                 |                 | 3                      |
| 7/30/2024 6:00  | 61.2            | 0                | SW             | 227                  |               |                 |                 | 3                      |
| 7/30/2024 6:30  | 60.8            | 0                | SW             | 227                  |               |                 |                 | 3                      |
| 7/30/2024 7:00  | 61.4            | 0                | SW             | 227                  |               |                 |                 | 3                      |
| 7/30/2024 7:30  | 61.7            | 0                | SW             | 227                  |               |                 |                 | 3                      |
| 7/30/2024 8:00  | 62.5            | 0                | SW             | 227                  |               |                 |                 | 3                      |
| 7/30/2024 8:30  | 64.1            | 0                | SW             | 227                  |               |                 |                 | 3                      |
| 7/30/2024 9:00  | 65.2            | 0                | SW             | 227                  |               |                 |                 | 3                      |
| 7/30/2024 9:30  | 67.6            | 0                | S              | 180                  |               |                 |                 | 3                      |
| 7/30/2024 10:00 | 67.4            | 5                | S              | 189                  |               |                 |                 | 3                      |
| 7/30/2024 10:30 | 68.3            | 0                | SW             | 225                  |               |                 |                 | 3                      |
| 7/30/2024 11:00 | 69.7            | 4                | SSW            | 211                  |               |                 |                 | 3                      |
| 7/30/2024 11:30 | 70.6            | 4                | SW             | 216                  |               |                 |                 | 3                      |
| 7/30/2024 12:00 | 70.6            | 1                | SSW            | 194                  |               |                 |                 | 3                      |
| 7/30/2024 12:30 | 71.7            | 5                | SSW            | 212                  |               |                 |                 | 3                      |
| 7/30/2024 13:00 | 72.8            | 5                | SSW            | 201                  |               |                 |                 | 3                      |
| 7/30/2024 13:30 | 73.3            | 4                | SSW            | 205                  |               |                 |                 | 3                      |
| 7/30/2024 14:00 | 74.2            | 3                | SSW            | 211                  |               |                 |                 | 3                      |
| 7/30/2024 14:30 | 75.4            | 6                | S              | 181                  |               |                 |                 | 3                      |
| 7/30/2024 15:00 | 75.8            | 4                | NE             | 41                   |               |                 |                 | 3                      |
| 7/30/2024 15:30 | 75.7            | 2                | SW             | 231                  |               |                 |                 | 3                      |
| 7/30/2024 16:00 | 77.9            | 3                | WSW            | 257                  |               |                 |                 | 3                      |
| 7/30/2024 16:30 | 78.4            | 5                | SW             | 234                  |               |                 |                 | 3                      |
| 7/30/2024 17:00 | 78.1            | 3                | SSW            | 214                  |               |                 |                 | 3                      |
| 7/30/2024 17:30 | 78.4            | 6                | SW             | 223                  | 59            | 7/30/2024       | 5:30 PM         | 3                      |
| 7/30/2024 18:00 | 78.3            | 2                | WSW            | 242                  |               |                 |                 | 3                      |
| 7/30/2024 18:30 | 78.2            | 4                | WSW            | 250                  |               |                 |                 | 3                      |
| 7/30/2024 19:00 | 76.9            | 4                | WSW            | 241                  |               |                 |                 | 3                      |
| 7/30/2024 19:30 | 75.8            | 4                | WSW            | 250                  |               |                 |                 | 3                      |
| 7/30/2024 20:00 | 73.1            | 2                | SSW            | 200                  |               |                 |                 | 3                      |
| 7/30/2024 20:30 | 70              | 2                | S              | 190                  |               |                 |                 | 3                      |
| 7/30/2024 21:00 | 67.8            | 3                | SSW            | 193                  |               |                 |                 | 3                      |
| 7/30/2024 21:30 | 66.5            | 4                | SSW            | 193                  |               |                 |                 | 3                      |
| 7/30/2024 22:00 | 65.6            | 0                | SSW            | 194                  |               |                 |                 | 3                      |
| 7/30/2024 22:30 | 64.9            | 2                | SSW            | 194                  |               |                 |                 | 3                      |
| 7/30/2024 23:00 | 64.1            | 0                | SSW            | 194                  |               |                 |                 | 3                      |
| 7/30/2024 23:30 | 63.6            | 2                | SSW            | 194                  |               |                 |                 | 3                      |
|                 |                 |                  |                |                      |               |                 |                 |                        |
| 8/4/2024 0:00   | 62.3            | 1                | S              | 184                  |               |                 |                 | 1                      |
| 8/4/2024 0:30   | 62.6            | 2                | S              | 184                  |               |                 |                 | 1                      |
| 8/4/2024 1:00   | 62.1            | 3                | S              | 182                  |               |                 |                 | 1                      |
| 8/4/2024 1:30   | 58.7            | 1                | S              | 182                  |               |                 |                 | 1                      |
| 8/4/2024 2:00   | 58.2            | 0                | S              | 182                  |               |                 |                 | 1                      |
| 8/4/2024 2:30   | 57              | 0                | S              | 182                  |               |                 |                 | 1                      |
| 8/4/2024 3:00   | 56.2            | 1                | S              | 182                  |               |                 |                 | 1                      |
| 8/4/2024 3:30   | 55.9            | 0                | S              | 182                  |               |                 |                 | 1                      |
| 8/4/2024 4:00   | 56              | 0                | S              | 182                  |               |                 |                 | 1                      |
| 8/4/2024 4:30   | 55.2            | 0                | S              | 182                  |               |                 |                 | 1                      |
| 8/4/2024 5:00   | 54.2            | 0                | S              | 182                  |               |                 |                 | 1                      |
| 8/4/2024 5:30   | 53.7            | 1                | S              | 182                  |               |                 |                 | 1                      |
| 8/4/2024 6:00   | 53              | 0                | S              | 182                  |               |                 |                 | 1                      |
| 8/4/2024 6:30   | 52.8            | 0                | S              | 182                  |               |                 |                 | 1                      |
| 8/4/2024 7:00   | 54              | 0                | S              | 182                  |               |                 |                 | 1                      |
| 8/4/2024 7:30   | 55.8            | 0                | S              | 182                  |               |                 |                 | 1                      |
| 8/4/2024 8:00   | 57.3            | 0                | S              | 182                  |               |                 |                 | 1                      |
| 8/4/2024 8:30   | 59.4            | 0                | S              | 182                  | 60            | 8/4/2024        | 8:30 AM         | 1                      |
| 8/4/2024 9:00   | 64.1            | 1                | S              | 178                  |               |                 |                 | 1                      |
| 8/4/2024 9:30   | 68.4            | 0                | N              | 9                    |               |                 |                 | 1                      |
| 8/4/2024 10:00  | 71.6            | 5                | N              | 360                  |               |                 |                 | 1                      |
| 8/4/2024 10:30  | 73.3            | 3                | W              | 278                  |               |                 |                 | 1                      |
| 8/4/2024 11:00  | 75.3            | 2                | WSW            | 248                  |               |                 |                 | 1                      |

## Coffin Butte Landfill On-site Meteorological Data for Recent Odor Complaints (2022 to 2024)

| Time Stamp     | Temperature (F) | Wind Speed (mph) | Wind Direction | Wind Direction (deg) | Odor Event ID | Odor Event Date | Odor Event Time | Odor Event Day of Week |
|----------------|-----------------|------------------|----------------|----------------------|---------------|-----------------|-----------------|------------------------|
| 8/4/2024 11:30 | 78.2            | 2                | N              | 9                    |               |                 |                 | 1                      |
| 8/4/2024 12:00 | 79.7            | 4                | WSW            | 258                  |               |                 |                 | 1                      |
| 8/4/2024 12:30 | 81.8            | 4                | SE             | 136                  |               |                 |                 | 1                      |
| 8/4/2024 13:00 | 83.8            | 3                | WSW            | 254                  |               |                 |                 | 1                      |
| 8/4/2024 13:30 | 85.9            | 4                | ESE            | 121                  |               |                 |                 | 1                      |
| 8/4/2024 14:00 | 87.8            | 3                | NNW            | 327                  |               |                 |                 | 1                      |
| 8/4/2024 14:30 | 88.9            | 4                | WNW            | 289                  |               |                 |                 | 1                      |
| 8/4/2024 15:00 | 89.7            | 5                | SSW            | 205                  |               |                 |                 | 1                      |
| 8/4/2024 15:30 | 90.9            | 5                | NW             | 321                  |               |                 |                 | 1                      |
| 8/4/2024 16:00 | 91.4            | 3                | WNW            | 282                  |               |                 |                 | 1                      |
| 8/4/2024 16:30 | 91.6            | 2                | NW             | 315                  |               |                 |                 | 1                      |
| 8/4/2024 17:00 | 92.1            | 3                | WSW            | 238                  |               |                 |                 | 1                      |
| 8/4/2024 17:30 | 91.9            | 3                | W              | 263                  |               |                 |                 | 1                      |
| 8/4/2024 18:00 | 90.6            | 4                | SW             | 236                  |               |                 |                 | 1                      |
| 8/4/2024 18:30 | 89.8            | 4                | WSW            | 247                  |               |                 |                 | 1                      |
| 8/4/2024 19:00 | 86.7            | 4                | SSW            | 195                  |               |                 |                 | 1                      |
| 8/4/2024 19:30 | 82.5            | 6                | SSW            | 196                  |               |                 |                 | 1                      |
| 8/4/2024 20:00 | 78.1            | 6                | SW             | 227                  |               |                 |                 | 1                      |
| 8/4/2024 20:30 | 74.4            | 7                | SSW            | 202                  |               |                 |                 | 1                      |
| 8/4/2024 21:00 | 71.7            | 7                | SSW            | 210                  |               |                 |                 | 1                      |
| 8/4/2024 21:30 | 69.9            | 3                | SSW            | 199                  |               |                 |                 | 1                      |
| 8/4/2024 22:00 | 68.2            | 10               | SSW            | 192                  |               |                 |                 | 1                      |
| 8/4/2024 22:30 | 66.8            | 4                | SSW            | 200                  |               |                 |                 | 1                      |
| 8/4/2024 23:00 | 66              | 5                | SSW            | 204                  |               |                 |                 | 1                      |
| 8/4/2024 23:30 | 64.4            | 3                | SSW            | 207                  |               |                 |                 | 1                      |
|                |                 |                  |                |                      |               |                 |                 |                        |
| 8/8/2024 0:00  | 64.7            | 3                | SSW            | 208                  |               |                 |                 | 5                      |
| 8/8/2024 0:30  | 63.5            | 0                | SSW            | 208                  |               |                 |                 | 5                      |
| 8/8/2024 1:00  | 61.5            | 1                | SSW            | 208                  |               |                 |                 | 5                      |
| 8/8/2024 1:30  | 60.2            | 3                | SSW            | 208                  |               |                 |                 | 5                      |
| 8/8/2024 2:00  | 61              | 2                | SSW            | 208                  |               |                 |                 | 5                      |
| 8/8/2024 2:30  | 59.8            | 2                | SSW            | 208                  |               |                 |                 | 5                      |
| 8/8/2024 3:00  | 58.6            | 2                | SSW            | 208                  |               |                 |                 | 5                      |
| 8/8/2024 3:30  | 57.2            | 2                | WSW            | 245                  |               |                 |                 | 5                      |
| 8/8/2024 4:00  | 57.5            | 2                | WSW            | 245                  |               |                 |                 | 5                      |
| 8/8/2024 4:30  | 56.8            | 3                | WSW            | 245                  |               |                 |                 | 5                      |
| 8/8/2024 5:00  | 55.8            | 1                | WSW            | 245                  |               |                 |                 | 5                      |
| 8/8/2024 5:30  | 56.2            | 0                | WSW            | 245                  |               |                 |                 | 5                      |
| 8/8/2024 6:00  | 55.6            | 2                | WSW            | 245                  |               |                 |                 | 5                      |
| 8/8/2024 6:30  | 55.2            | 2                | WSW            | 245                  |               |                 |                 | 5                      |
| 8/8/2024 7:00  | 55.7            | 2                | WSW            | 245                  |               |                 |                 | 5                      |
| 8/8/2024 7:30  | 58.6            | 0                | WSW            | 245                  | 61            | 8/8/2024        | 7:40 AM         | 5                      |
| 8/8/2024 8:00  | 61              | 0                | WSW            | 245                  | 62            | 8/8/2024        | 7:45 AM         | 5                      |
| 8/8/2024 8:30  | 62.3            | 0                | WSW            | 245                  |               |                 |                 | 5                      |
| 8/8/2024 9:00  | 67.8            | 3                | WSW            | 258                  |               |                 |                 | 5                      |
| 8/8/2024 9:30  | 72              | 3                | NW             | 307                  |               |                 |                 | 5                      |
| 8/8/2024 10:00 | 73.6            | 1                | NNW            | 331                  |               |                 |                 | 5                      |
| 8/8/2024 10:30 | 76.1            | 3                | WSW            | 240                  |               |                 |                 | 5                      |
| 8/8/2024 11:00 | 79              | 2                | SW             | 227                  |               |                 |                 | 5                      |
| 8/8/2024 11:30 | 80.3            | 3                | NW             | 310                  |               |                 |                 | 5                      |
| 8/8/2024 12:00 | 81.8            | 3                | WNW            | 302                  |               |                 |                 | 5                      |
| 8/8/2024 12:30 | 82.4            | 1                | NW             | 313                  |               |                 |                 | 5                      |
| 8/8/2024 13:00 | 83.7            | 4                | S              | 182                  |               |                 |                 | 5                      |
| 8/8/2024 13:30 | 85.4            | 3                | SW             | 229                  |               |                 |                 | 5                      |
| 8/8/2024 14:00 | 86.3            | 4                | WSW            | 255                  |               |                 |                 | 5                      |
| 8/8/2024 14:30 | 87.9            | 4                | NNE            | 17                   |               |                 |                 | 5                      |
| 8/8/2024 15:00 | 89.4            | 3                | SW             | 223                  |               |                 |                 | 5                      |
| 8/8/2024 15:30 | 90.5            | 6                | NW             | 311                  |               |                 |                 | 5                      |
| 8/8/2024 16:00 | 90.9            | 4                | W              | 261                  |               |                 |                 | 5                      |
| 8/8/2024 16:30 | 91.6            | 2                | NW             | 309                  |               |                 |                 | 5                      |
| 8/8/2024 17:00 | 91.8            | 7                | SW             | 223                  |               |                 |                 | 5                      |
| 8/8/2024 17:30 | 90.1            | 4                | SW             | 230                  |               |                 |                 | 5                      |
| 8/8/2024 18:00 | 87.3            | 6                | SSW            | 198                  |               |                 |                 | 5                      |
| 8/8/2024 18:30 | 84.3            | 7                | SSW            | 209                  |               |                 |                 | 5                      |
| 8/8/2024 19:00 | 81.6            | 7                | S              | 183                  |               |                 |                 | 5                      |
| 8/8/2024 19:30 | 78.6            | 6                | SSW            | 202                  |               |                 |                 | 5                      |
| 8/8/2024 20:00 | 75.5            | 7                | SW             | 217                  |               |                 |                 | 5                      |
| 8/8/2024 20:30 | 72.3            | 6                | SSW            | 207                  |               |                 |                 | 5                      |
| 8/8/2024 21:00 | 70.2            | 5                | SSW            | 208                  |               |                 |                 | 5                      |
| 8/8/2024 21:30 | 68.7            | 4                | SW             | 225                  |               |                 |                 | 5                      |

## Coffin Butte Landfill On-site Meteorological Data for Recent Odor Complaints (2022 to 2024)

| Time Stamp     | Temperature (F) | Wind Speed (mph) | Wind Direction | Wind Direction (deg) | Odor Event ID | Odor Event Date | Odor Event Time | Odor Event Day of Week |
|----------------|-----------------|------------------|----------------|----------------------|---------------|-----------------|-----------------|------------------------|
| 8/8/2024 22:00 | 66.9            | 3                | SW             | 219                  |               |                 |                 | 5                      |
| 8/8/2024 22:30 | 65.5            | 4                | SW             | 221                  |               |                 |                 | 5                      |
| 8/8/2024 23:00 | 64.7            | 0                | SW             | 221                  |               |                 |                 | 5                      |
| 8/8/2024 23:30 | 63.1            | 2                | SW             | 215                  |               |                 |                 | 5                      |
| 8/9/2024 0:00  | 61.9            | 1                | SW             | 215                  |               |                 |                 | 6                      |
| 8/9/2024 0:30  | 61.6            | 2                | SW             | 218                  |               |                 |                 | 6                      |
| 8/9/2024 1:00  | 60.2            | 0                | SW             | 218                  |               |                 |                 | 6                      |
| 8/9/2024 1:30  | 60              | 1                | SW             | 218                  |               |                 |                 | 6                      |
| 8/9/2024 2:00  | 59.5            | 2                | SW             | 218                  |               |                 |                 | 6                      |
| 8/9/2024 2:30  | 58.1            | 0                | SW             | 218                  |               |                 |                 | 6                      |
| 8/9/2024 3:00  | 56.9            | 0                | SW             | 218                  |               |                 |                 | 6                      |
| 8/9/2024 3:30  | 57.9            | 2                | SW             | 218                  |               |                 |                 | 6                      |
| 8/9/2024 4:00  | 56.4            | 0                | SW             | 218                  |               |                 |                 | 6                      |
| 8/9/2024 4:30  | 55.4            | 0                | SW             | 218                  |               |                 |                 | 6                      |
| 8/9/2024 5:00  | 54.7            | 0                | SW             | 218                  |               |                 |                 | 6                      |
| 8/9/2024 5:30  | 54.2            | 0                | SW             | 218                  |               |                 |                 | 6                      |
| 8/9/2024 6:00  | 53.4            | 0                | SW             | 218                  |               |                 |                 | 6                      |
| 8/9/2024 6:30  | 53.1            | 0                | SW             | 218                  |               |                 |                 | 6                      |
| 8/9/2024 7:00  | 53.7            | 0                | SW             | 218                  |               |                 |                 | 6                      |
| 8/9/2024 7:30  | 54.8            | 0                | SW             | 218                  |               |                 |                 | 6                      |
| 8/9/2024 8:00  | 56.5            | 0                | SW             | 218                  |               |                 |                 | 6                      |
| 8/9/2024 8:30  | 58.5            | 0                | SW             | 218                  |               |                 |                 | 6                      |
| 8/9/2024 9:00  | 62.5            | 0                | SW             | 218                  |               |                 |                 | 6                      |
| 8/9/2024 9:30  | 66.8            | 1                | SW             | 218                  |               |                 |                 | 6                      |
| 8/9/2024 10:00 | 69.1            | 1                | NE             | 36                   |               |                 |                 | 6                      |
| 8/9/2024 10:30 | 70.9            | 2                | N              | 360                  |               |                 |                 | 6                      |
| 8/9/2024 11:00 | 73.8            | 5                | NNE            | 24                   |               |                 |                 | 6                      |
| 8/9/2024 11:30 | 76.8            | 7                | N              | 10                   |               |                 |                 | 6                      |
| 8/9/2024 12:00 | 78.5            | 2                | NE             | 43                   |               |                 |                 | 6                      |
| 8/9/2024 12:30 | 80.1            | 4                | WSW            | 244                  |               |                 |                 | 6                      |
| 8/9/2024 13:00 | 80.9            | 7                | WSW            | 257                  |               |                 |                 | 6                      |
| 8/9/2024 13:30 | 83.3            | 5                | WSW            | 246                  |               |                 |                 | 6                      |
| 8/9/2024 14:00 | 84.8            | 0                | NNE            | 31                   |               |                 |                 | 6                      |
| 8/9/2024 14:30 | 86.2            | 2                | NNE            | 30                   |               |                 |                 | 6                      |
| 8/9/2024 15:00 | 86.5            | 2                | WNW            | 304                  | 63            | 8/9/2024        | 3:15 PM         | 6                      |
| 8/9/2024 15:30 | 87.5            | 2                | NE             | 35                   |               |                 |                 | 6                      |
| 8/9/2024 16:00 | 88.7            | 3                | SW             | 227                  |               |                 |                 | 6                      |
| 8/9/2024 16:30 | 88.8            | 3                | NW             | 326                  |               |                 |                 | 6                      |
| 8/9/2024 17:00 | 88.4            | 3                | WSW            | 248                  |               |                 |                 | 6                      |
| 8/9/2024 17:30 | 86.1            | 7                | S              | 184                  |               |                 |                 | 6                      |
| 8/9/2024 18:00 | 83.4            | 10               | SW             | 224                  | 64            | 8/9/2024        | 5:53 PM         | 6                      |
| 8/9/2024 18:30 | 82              | 7                | S              | 189                  |               |                 |                 | 6                      |
| 8/9/2024 19:00 | 80              | 4                | SSW            | 210                  |               |                 |                 | 6                      |
| 8/9/2024 19:30 | 77.5            | 10               | SSW            | 212                  |               |                 |                 | 6                      |
| 8/9/2024 20:00 | 74.4            | 5                | S              | 182                  |               |                 |                 | 6                      |
| 8/9/2024 20:30 | 71.3            | 6                | S              | 178                  |               |                 |                 | 6                      |
| 8/9/2024 21:00 | 68.8            | 5                | SSW            | 207                  |               |                 |                 | 6                      |
| 8/9/2024 21:30 | 67.2            | 8                | SSW            | 205                  |               |                 |                 | 6                      |
| 8/9/2024 22:00 | 65.9            | 2                | SSW            | 200                  |               |                 |                 | 6                      |
| 8/9/2024 22:30 | 64.8            | 4                | SSW            | 205                  |               |                 |                 | 6                      |
| 8/9/2024 23:00 | 63.8            | 2                | SSW            | 200                  |               |                 |                 | 6                      |
| 8/9/2024 23:30 | 62.8            | 1                | SSW            | 200                  |               |                 |                 | 6                      |
|                |                 |                  |                |                      |               |                 |                 |                        |
| 8/18/2024 0:00 | 59.1            | 3                | S              | 188                  |               |                 |                 | 1                      |
| 8/18/2024 0:30 | 58.6            | 2                | S              | 188                  |               |                 |                 | 1                      |
| 8/18/2024 1:00 | 57.9            | 0                | S              | 188                  |               |                 |                 | 1                      |
| 8/18/2024 1:30 | 58.4            | 1                | S              | 188                  |               |                 |                 | 1                      |
| 8/18/2024 2:00 | 58.5            | 1                | S              | 188                  |               |                 |                 | 1                      |
| 8/18/2024 2:30 | 58.9            | 0                | S              | 188                  |               |                 |                 | 1                      |
| 8/18/2024 3:00 | 58.9            | 0                | S              | 188                  |               |                 |                 | 1                      |
| 8/18/2024 3:30 | 58.4            | 2                | S              | 188                  |               |                 |                 | 1                      |
| 8/18/2024 4:00 | 58.1            | 0                | S              | 188                  |               |                 |                 | 1                      |
| 8/18/2024 4:30 | 59              | 4                | S              | 188                  |               |                 |                 | 1                      |
| 8/18/2024 5:00 | 58.5            | 0                | S              | 188                  |               |                 |                 | 1                      |
| 8/18/2024 5:30 | 58              | 0                | S              | 188                  |               |                 |                 | 1                      |
| 8/18/2024 6:00 | 58.4            | 0                | S              | 188                  |               |                 |                 | 1                      |
| 8/18/2024 6:30 | 58.1            | 2                | S              | 188                  |               |                 |                 | 1                      |
| 8/18/2024 7:00 | 56.4            | 0                | S              | 188                  |               |                 |                 | 1                      |
| 8/18/2024 7:30 | 57.8            | 0                | S              | 188                  | 65            | 8/18/2024       | 7:30 AM         | 1                      |
| 8/18/2024 8:00 | 58.9            | 0                | S              | 188                  |               |                 |                 | 1                      |

## Coffin Butte Landfill On-site Meteorological Data for Recent Odor Complaints (2022 to 2024)

| Time Stamp      | Temperature (F) | Wind Speed (mph) | Wind Direction | Wind Direction (deg) | Odor Event ID | Odor Event Date | Odor Event Time | Odor Event Day of Week |
|-----------------|-----------------|------------------|----------------|----------------------|---------------|-----------------|-----------------|------------------------|
| 8/18/2024 8:30  | 59.2            | 0                | S              | 188                  |               |                 |                 | 1                      |
| 8/18/2024 9:00  | 58.9            | 1                | S              | 188                  |               |                 |                 | 1                      |
| 8/18/2024 9:30  | 59.6            | 2                | S              | 179                  |               |                 |                 | 1                      |
| 8/18/2024 10:00 | 60.2            | 1                | WSW            | 248                  |               |                 |                 | 1                      |
| 8/18/2024 10:30 | 61              | 2                | WSW            | 246                  |               |                 |                 | 1                      |
| 8/18/2024 11:00 | 62.4            | 3                | WSW            | 243                  |               |                 |                 | 1                      |
| 8/18/2024 11:30 | 63.8            | 3                | SSW            | 192                  |               |                 |                 | 1                      |
| 8/18/2024 12:00 | 67.9            | 10               | WSW            | 244                  |               |                 |                 | 1                      |
| 8/18/2024 12:30 | 70.1            | 7                | SW             | 217                  |               |                 |                 | 1                      |
| 8/18/2024 13:00 | 71.2            | 6                | SSW            | 213                  |               |                 |                 | 1                      |
| 8/18/2024 13:30 | 71.6            | 8                | SSW            | 199                  |               |                 |                 | 1                      |
| 8/18/2024 14:00 | 73.2            | 6                | WSW            | 239                  |               |                 |                 | 1                      |
| 8/18/2024 14:30 | 73.6            | 2                | SSW            | 196                  |               |                 |                 | 1                      |
| 8/18/2024 15:00 | 73.8            | 5                | SSW            | 206                  |               |                 |                 | 1                      |
| 8/18/2024 15:30 | 74.5            | 3                | SW             | 223                  |               |                 |                 | 1                      |
| 8/18/2024 16:00 | 74.9            | 4                | SW             | 229                  |               |                 |                 | 1                      |
| 8/18/2024 16:30 | 74.3            | 3                | SSW            | 212                  |               |                 |                 | 1                      |
| 8/18/2024 17:00 | 75.5            | 5                | SSW            | 207                  |               |                 |                 | 1                      |
| 8/18/2024 17:30 | 74.1            | 6                | SSW            | 204                  |               |                 |                 | 1                      |
| 8/18/2024 18:00 | 74.1            | 5                | WSW            | 244                  |               |                 |                 | 1                      |
| 8/18/2024 18:30 | 73.2            | 2                | WSW            | 250                  |               |                 |                 | 1                      |
| 8/18/2024 19:00 | 72.5            | 3                | WSW            | 252                  |               |                 |                 | 1                      |
| 8/18/2024 19:30 | 70.9            | 2                | W              | 263                  |               |                 |                 | 1                      |
| 8/18/2024 20:00 | 68.2            | 1                | WSW            | 244                  |               |                 |                 | 1                      |
| 8/18/2024 20:30 | 65.4            | 4                | SSW            | 200                  |               |                 |                 | 1                      |
| 8/18/2024 21:00 | 63.2            | 3                | SSW            | 200                  |               |                 |                 | 1                      |
| 8/18/2024 21:30 | 61.5            | 3                | SSW            | 200                  |               |                 |                 | 1                      |
| 8/18/2024 22:00 | 60.2            | 3                | SSW            | 200                  |               |                 |                 | 1                      |
| 8/18/2024 22:30 | 59.8            | 2                | SSW            | 200                  |               |                 |                 | 1                      |
| 8/18/2024 23:00 | 59.6            | 0                | SSW            | 200                  |               |                 |                 | 1                      |
| 8/18/2024 23:30 | 60              | 1                | SSW            | 200                  |               |                 |                 | 1                      |
| 8/23/2024 0:00  | 58.4            | 0                | SW             | 227                  |               |                 |                 | 6                      |
| 8/23/2024 0:30  | 57.3            | 0                | SW             | 227                  |               |                 |                 | 6                      |
| 8/23/2024 1:00  | 57.5            | 1                | SW             | 227                  |               |                 |                 | 6                      |
| 8/23/2024 1:30  | 57.3            | 0                | S              | 184                  |               |                 |                 | 6                      |
| 8/23/2024 2:00  | 57.2            | 0                | S              | 184                  |               |                 |                 | 6                      |
| 8/23/2024 2:30  | 56.6            | 2                | S              | 184                  |               |                 |                 | 6                      |
| 8/23/2024 3:00  | 55.6            | 0                | S              | 184                  |               |                 |                 | 6                      |
| 8/23/2024 3:30  | 54.2            | 0                | S              | 184                  |               |                 |                 | 6                      |
| 8/23/2024 4:00  | 53              | 0                | S              | 184                  |               |                 |                 | 6                      |
| 8/23/2024 4:30  | 52.4            | 0                | S              | 184                  |               |                 |                 | 6                      |
| 8/23/2024 5:00  | 51.6            | 0                | S              | 184                  |               |                 |                 | 6                      |
| 8/23/2024 5:30  | 51.2            | 0                | S              | 184                  |               |                 |                 | 6                      |
| 8/23/2024 6:00  | 49.8            | 0                | S              | 184                  |               |                 |                 | 6                      |
| 8/23/2024 6:30  | 50              | 3                | S              | 191                  |               |                 |                 | 6                      |
| 8/23/2024 7:00  | 50.8            | 0                | S              | 191                  |               |                 |                 | 6                      |
| 8/23/2024 7:30  | 51.3            | 0                | S              | 191                  |               |                 |                 | 6                      |
| 8/23/2024 8:00  | 52.6            | 0                | S              | 191                  |               |                 |                 | 6                      |
| 8/23/2024 8:30  | 55.3            | 2                | NNE            | 30                   |               |                 |                 | 6                      |
| 8/23/2024 9:00  | 56.1            | 0                | SSW            | 192                  |               |                 |                 | 6                      |
| 8/23/2024 9:30  | 58.4            | 5                | S              | 174                  |               |                 |                 | 6                      |
| 8/23/2024 10:00 | 60.4            | 2                | SSE            | 158                  |               |                 |                 | 6                      |
| 8/23/2024 10:30 | 61.3            | 2                | WSW            | 255                  |               |                 |                 | 6                      |
| 8/23/2024 11:00 | 62              | 6                | S              | 173                  |               |                 |                 | 6                      |
| 8/23/2024 11:30 | 64.5            | 4                | SE             | 140                  |               |                 |                 | 6                      |
| 8/23/2024 12:00 | 64.7            | 3                | SW             | 219                  |               |                 |                 | 6                      |
| 8/23/2024 12:30 | 64.1            | 11               | SSW            | 213                  |               |                 |                 | 6                      |
| 8/23/2024 13:00 | 65.6            | 4                | SW             | 221                  |               |                 |                 | 6                      |
| 8/23/2024 13:30 | 65.7            | 10               | S              | 185                  |               |                 |                 | 6                      |
| 8/23/2024 14:00 | 61.7            | 3                | S              | 185                  |               |                 |                 | 6                      |
| 8/23/2024 14:30 | 58.7            | 6                | S              | 188                  |               |                 |                 | 6                      |
| 8/23/2024 15:00 | 60.1            | 5                | SSW            | 209                  |               |                 |                 | 6                      |
| 8/23/2024 15:30 | 61.6            | 7                | S              | 190                  |               |                 |                 | 6                      |
| 8/23/2024 16:00 | 65.9            | 9                | SW             | 222                  |               |                 |                 | 6                      |
| 8/23/2024 16:30 | 66.3            | 7                | SE             | 188                  |               |                 |                 | 6                      |
| 8/23/2024 17:00 | 63.3            | 5                | SW             | 234                  |               |                 |                 | 6                      |
| 8/23/2024 17:30 | 60.5            | 3                | WSW            | 244                  |               |                 |                 | 6                      |
| 8/23/2024 18:00 | 63.4            | 1                | WSW            | 254                  |               |                 |                 | 6                      |
| 8/23/2024 18:30 | 62.6            | 1                | NW             | 311                  | 66            | 8/23/2024       | 6:30 PM         | 6                      |

## Coffin Butte Landfill On-site Meteorological Data for Recent Odor Complaints (2022 to 2024)

| Time Stamp       | Temperature (F) | Wind Speed (mph) | Wind Direction | Wind Direction (deg) | Odor Event ID | Odor Event Date | Odor Event Time | Odor Event Day of Week |
|------------------|-----------------|------------------|----------------|----------------------|---------------|-----------------|-----------------|------------------------|
| 8/23/2024 19:00  | 62.3            | 0                | NW             | 313                  |               |                 |                 | 6                      |
| 8/23/2024 19:30  | 62.1            | 0                | NW             | 313                  |               |                 |                 | 6                      |
| 8/23/2024 20:00  | 60.8            | 0                | NW             | 315                  |               |                 |                 | 6                      |
| 8/23/2024 20:30  | 59.7            | 0                | NW             | 315                  |               |                 |                 | 6                      |
| 8/23/2024 21:00  | 58.4            | 0                | NW             | 315                  |               |                 |                 | 6                      |
| 8/23/2024 21:30  | 57.4            | 0                | NW             | 315                  |               |                 |                 | 6                      |
| 8/23/2024 22:00  | 57.1            | 0                | NW             | 315                  |               |                 |                 | 6                      |
| 8/23/2024 22:30  | 56.6            | 0                | NW             | 315                  |               |                 |                 | 6                      |
| 8/23/2024 23:00  | 56.3            | 1                | NW             | 315                  |               |                 |                 | 6                      |
| 8/23/2024 23:30  | 56.3            | 1                | NW             | 315                  |               |                 |                 | 6                      |
|                  |                 |                  |                |                      |               |                 |                 |                        |
| 11/26/2024 0:00  | 34.9            | 1                | SSE            | 152                  |               |                 |                 | 3                      |
| 11/26/2024 0:30  | 35.1            | 0                | SSE            | 148                  |               |                 |                 | 3                      |
| 11/26/2024 1:00  | 35.3            | 1                | SSE            | 148                  |               |                 |                 | 3                      |
| 11/26/2024 1:30  | 36.2            | 1                | SSE            | 148                  |               |                 |                 | 3                      |
| 11/26/2024 2:00  | 37              | 1                | SSE            | 148                  |               |                 |                 | 3                      |
| 11/26/2024 2:30  | 35.9            | 1                | SSE            | 148                  |               |                 |                 | 3                      |
| 11/26/2024 3:00  | 35.3            | 1                | SSE            | 148                  |               |                 |                 | 3                      |
| 11/26/2024 3:30  | 36.8            | 0                | SSE            | 148                  |               |                 |                 | 3                      |
| 11/26/2024 4:00  | 36.1            | 0                | SSE            | 148                  |               |                 |                 | 3                      |
| 11/26/2024 4:30  | 37.7            | 0                | SSE            | 148                  |               |                 |                 | 3                      |
| 11/26/2024 5:00  | 37.7            | 0                | SSE            | 148                  |               |                 |                 | 3                      |
| 11/26/2024 5:30  | 38.6            | 3                | SSE            | 147                  |               |                 |                 | 3                      |
| 11/26/2024 6:00  | 38.7            | 2                | SE             | 146                  |               |                 |                 | 3                      |
| 11/26/2024 6:30  | 39.3            | 0                | SE             | 146                  |               |                 |                 | 3                      |
| 11/26/2024 7:00  | 39.7            | 0                | SE             | 146                  |               |                 |                 | 3                      |
| 11/26/2024 7:30  | 39.8            | 0                | SE             | 146                  |               |                 |                 | 3                      |
| 11/26/2024 8:00  | 40.1            | 0                | SE             | 146                  |               |                 |                 | 3                      |
| 11/26/2024 8:30  | 40.5            | 0                | SE             | 146                  |               |                 |                 | 3                      |
| 11/26/2024 9:00  | 41.1            | 2                | SE             | 146                  |               |                 |                 | 3                      |
| 11/26/2024 9:30  | 41.6            | 0                | SE             | 146                  |               |                 |                 | 3                      |
| 11/26/2024 10:00 | 42.4            | 0                | SE             | 146                  |               |                 |                 | 3                      |
| 11/26/2024 10:30 | 43              | 2                | SE             | 146                  |               |                 |                 | 3                      |
| 11/26/2024 11:00 | 43.4            | 2                | SE             | 146                  |               |                 |                 | 3                      |
| 11/26/2024 11:30 | 44.3            | 2                | SE             | 143                  | 67            | 11/26/2024      | 11:30 AM        | 3                      |
| 11/26/2024 12:00 | 45              | 3                | SE             | 138                  |               |                 |                 | 3                      |
| 11/26/2024 12:30 | 46.7            | 0                | NNE            | 28                   |               |                 |                 | 3                      |
| 11/26/2024 13:00 | 46.9            | 5                | SSE            | 169                  |               |                 |                 | 3                      |
| 11/26/2024 13:30 | 48.5            | 6                | SSE            | 165                  |               |                 |                 | 3                      |
| 11/26/2024 14:00 | 48.8            | 7                | SSE            | 165                  |               |                 |                 | 3                      |
| 11/26/2024 14:30 | 49              | 0                | SSE            | 167                  |               |                 |                 | 3                      |
| 11/26/2024 15:00 | 50.1            | 0                | SSE            | 169                  |               |                 |                 | 3                      |
| 11/26/2024 15:30 | 49.3            | 5                | S              | 171                  |               |                 |                 | 3                      |
| 11/26/2024 16:00 | 48.3            | 0                | S              | 171                  |               |                 |                 | 3                      |
| 11/26/2024 16:30 | 46.6            | 0                | S              | 171                  |               |                 |                 | 3                      |
| 11/26/2024 17:00 | 45.4            | 0                | S              | 171                  |               |                 |                 | 3                      |
| 11/26/2024 17:30 | 44.5            | 0                | S              | 171                  |               |                 |                 | 3                      |
| 11/26/2024 18:00 | 44.4            | 0                | S              | 171                  |               |                 |                 | 3                      |
| 11/26/2024 18:30 | 44.3            | 0                | S              | 171                  |               |                 |                 | 3                      |
| 11/26/2024 19:00 | 43.8            | 0                | S              | 171                  |               |                 |                 | 3                      |
| 11/26/2024 19:30 | 43.6            | 0                | S              | 171                  |               |                 |                 | 3                      |
| 11/26/2024 20:00 | 43.5            | 0                | S              | 171                  |               |                 |                 | 3                      |
| 11/26/2024 20:30 | 43.2            | 0                | S              | 171                  |               |                 |                 | 3                      |
| 11/26/2024 21:00 | 43.7            | 0                | S              | 171                  |               |                 |                 | 3                      |
| 11/26/2024 21:30 | 43.9            | 1                | S              | 171                  |               |                 |                 | 3                      |
| 11/26/2024 22:00 | 43.6            | 0                | S              | 171                  |               |                 |                 | 3                      |
| 11/26/2024 22:30 | 43.3            | 0                | S              | 171                  |               |                 |                 | 3                      |
| 11/26/2024 23:00 | 43.3            | 2                | S              | 171                  |               |                 |                 | 3                      |
| 11/26/2024 23:30 | 42.9            | 0                | S              | 171                  |               |                 |                 | 3                      |
| 11/27/2024 0:00  | 42.9            | 0                | S              | 171                  |               |                 |                 | 4                      |
| 11/27/2024 0:30  | 42.4            | 0                | S              | 171                  |               |                 |                 | 4                      |
| 11/27/2024 1:00  | 41.7            | 0                | S              | 171                  |               |                 |                 | 4                      |
| 11/27/2024 1:30  | 41.1            | 0                | S              | 171                  |               |                 |                 | 4                      |
| 11/27/2024 2:00  | 40.9            | 0                | S              | 171                  |               |                 |                 | 4                      |
| 11/27/2024 2:30  | 40.8            | 0                | S              | 171                  |               |                 |                 | 4                      |
| 11/27/2024 3:00  | 41              | 1                | S              | 171                  |               |                 |                 | 4                      |
| 11/27/2024 3:30  | 41.5            | 1                | S              | 171                  |               |                 |                 | 4                      |
| 11/27/2024 4:00  | 41.2            | 0                | S              | 171                  |               |                 |                 | 4                      |
| 11/27/2024 4:30  | 41.2            | 0                | S              | 171                  |               |                 |                 | 4                      |
| 11/27/2024 5:00  | 41.4            | 0                | S              | 171                  |               |                 |                 | 4                      |

## Coffin Butte Landfill On-site Meteorological Data for Recent Odor Complaints (2022 to 2024)

| Time Stamp       | Temperature (F) | Wind Speed (mph) | Wind Direction | Wind Direction (deg) | Odor Event ID | Odor Event Date | Odor Event Time | Odor Event Day of Week |
|------------------|-----------------|------------------|----------------|----------------------|---------------|-----------------|-----------------|------------------------|
| 11/27/2024 5:30  | 41.4            | 0                | S              | 171                  |               |                 |                 | 4                      |
| 11/27/2024 6:00  | 41.4            | 0                | S              | 171                  |               |                 |                 | 4                      |
| 11/27/2024 6:30  | 41.2            | 0                | S              | 171                  |               |                 |                 | 4                      |
| 11/27/2024 7:00  | 41              | 1                | S              | 171                  | 68            | 11/27/2024      | 7:15 AM         | 4                      |
| 11/27/2024 7:30  | 40.8            | 0                | S              | 171                  |               |                 |                 | 4                      |
| 11/27/2024 8:00  | 41.1            | 1                | S              | 173                  |               |                 |                 | 4                      |
| 11/27/2024 8:30  | 40.6            | 4                | S              | 179                  |               |                 |                 | 4                      |
| 11/27/2024 9:00  | 40.3            | 0                | S              | 180                  |               |                 |                 | 4                      |
| 11/27/2024 9:30  | 40.3            | 2                | S              | 180                  |               |                 |                 | 4                      |
| 11/27/2024 10:00 | 40.3            | 1                | S              | 181                  |               |                 |                 | 4                      |
| 11/27/2024 10:30 | 40.1            | 1                | SSE            | 164                  |               |                 |                 | 4                      |
| 11/27/2024 11:00 | 41.3            | 0                | SSE            | 164                  |               |                 |                 | 4                      |
| 11/27/2024 11:30 | 41.5            | 4                | SSE            | 165                  |               |                 |                 | 4                      |
| 11/27/2024 12:00 | 41.7            | 1                | SSE            | 168                  |               |                 |                 | 4                      |
| 11/27/2024 12:30 | 41.4            | 1                | NNW            | 342                  |               |                 |                 | 4                      |
| 11/27/2024 13:00 | 41.4            | 1                | NNW            | 331                  |               |                 |                 | 4                      |
| 11/27/2024 13:30 | 41.7            | 0                | NNW            | 336                  |               |                 |                 | 4                      |
| 11/27/2024 14:00 | 41.8            | 0                | NNW            | 333                  |               |                 |                 | 4                      |
| 11/27/2024 14:30 | 42              | 2                | NNW            | 336                  |               |                 |                 | 4                      |
| 11/27/2024 15:00 | 42.4            | 1                | NNE            | 34                   |               |                 |                 | 4                      |
| 11/27/2024 15:30 | 42.1            | 2                | WSW            | 252                  |               |                 |                 | 4                      |
| 11/27/2024 16:00 | 41.7            | 2                | WSW            | 252                  |               |                 |                 | 4                      |
| 11/27/2024 16:30 | 41.6            | 0                | WSW            | 252                  |               |                 |                 | 4                      |
| 11/27/2024 17:00 | 41.1            | 0                | WSW            | 252                  |               |                 |                 | 4                      |
| 11/27/2024 17:30 | 40.2            | 0                | WSW            | 252                  |               |                 |                 | 4                      |
| 11/27/2024 18:00 | 39.3            | 0                | WSW            | 252                  |               |                 |                 | 4                      |
| 11/27/2024 18:30 | 36.6            | 0                | WSW            | 252                  |               |                 |                 | 4                      |
| 11/27/2024 19:00 | 35.5            | 1                | WSW            | 252                  |               |                 |                 | 4                      |
| 11/27/2024 19:30 | 35              | 1                | WSW            | 252                  |               |                 |                 | 4                      |
| 11/27/2024 20:00 | 34.8            | 1                | WSW            | 252                  |               |                 |                 | 4                      |
| 11/27/2024 20:30 | 33.5            | 0                | WSW            | 252                  |               |                 |                 | 4                      |
| 11/27/2024 21:00 | 34.1            | 0                | WSW            | 252                  |               |                 |                 | 4                      |
| 11/27/2024 21:30 | 34.5            | 0                | WSW            | 252                  |               |                 |                 | 4                      |
| 11/27/2024 22:00 | 34.3            | 1                | WSW            | 252                  |               |                 |                 | 4                      |
| 11/27/2024 22:30 | 33.9            | 0                | WSW            | 252                  |               |                 |                 | 4                      |
| 11/27/2024 23:00 | 33.4            | 0                | WSW            | 252                  |               |                 |                 | 4                      |
| 11/27/2024 23:30 | 32.3            | 0                | WSW            | 252                  |               |                 |                 | 4                      |
|                  |                 |                  |                |                      |               |                 |                 |                        |
| 11/30/2024 0:00  | 37.7            | 3                | NNE            | 26                   |               |                 |                 | 7                      |
| 11/30/2024 0:30  | 37.6            | 4                | NE             | 36                   |               |                 |                 | 7                      |
| 11/30/2024 1:00  | 37.5            | 1                | NNE            | 29                   |               |                 |                 | 7                      |
| 11/30/2024 1:30  | 37.5            | 5                | NE             | 37                   |               |                 |                 | 7                      |
| 11/30/2024 2:00  | 37.6            | 4                | NE             | 38                   |               |                 |                 | 7                      |
| 11/30/2024 2:30  | 37.4            | 3                | NE             | 36                   |               |                 |                 | 7                      |
| 11/30/2024 3:00  | 37.4            | 4                | NE             | 41                   |               |                 |                 | 7                      |
| 11/30/2024 3:30  | 37.4            | 5                | NE             | 42                   |               |                 |                 | 7                      |
| 11/30/2024 4:00  | 37.4            | 3                | NNE            | 32                   |               |                 |                 | 7                      |
| 11/30/2024 4:30  | 37.3            | 5                | NNE            | 31                   |               |                 |                 | 7                      |
| 11/30/2024 5:00  | 37.2            | 2                | NE             | 44                   |               |                 |                 | 7                      |
| 11/30/2024 5:30  | 37.1            | 0                | NE             | 44                   |               |                 |                 | 7                      |
| 11/30/2024 6:00  | 37.1            | 3                | NE             | 40                   |               |                 |                 | 7                      |
| 11/30/2024 6:30  | 37.1            | 1                | NE             | 42                   |               |                 |                 | 7                      |
| 11/30/2024 7:00  | 37.1            | 0                | NE             | 43                   |               |                 |                 | 7                      |
| 11/30/2024 7:30  | 37.1            | 2                | N              | 355                  |               |                 |                 | 7                      |
| 11/30/2024 8:00  | 37.1            | 6                | NE             | 38                   |               |                 |                 | 7                      |
| 11/30/2024 8:30  | 37.1            | 0                | NNE            | 32                   |               |                 |                 | 7                      |
| 11/30/2024 9:00  | 37.2            | 2                | NE             | 40                   |               |                 |                 | 7                      |
| 11/30/2024 9:30  | 37.1            | 2                | NNE            | 23                   |               |                 |                 | 7                      |
| 11/30/2024 10:00 | 37.2            | 1                | NNE            | 22                   | 69            | 11/30/2024      | 10:00 AM        | 7                      |
| 11/30/2024 10:30 | 37.5            | 4                | NNE            | 19                   |               |                 |                 | 7                      |
| 11/30/2024 11:00 | 37.5            | 4                | NE             | 48                   |               |                 |                 | 7                      |
| 11/30/2024 11:30 | 37.7            | 2                | NE             | 37                   |               |                 |                 | 7                      |
| 11/30/2024 12:00 | 38              | 1                | ENE            | 61                   | 70            | 11/30/2024      | 12:00 PM        | 7                      |
| 11/30/2024 12:30 | 38.3            | 0                | NNW            | 336                  |               |                 |                 | 7                      |
| 11/30/2024 13:00 | 38.6            | 5                | NNE            | 26                   |               |                 |                 | 7                      |
| 11/30/2024 13:30 | 38.7            | 1                | WSW            | 258                  |               |                 |                 | 7                      |
| 11/30/2024 14:00 | 38.9            | 3                | WSW            | 258                  |               |                 |                 | 7                      |
| 11/30/2024 14:30 | 39.5            | 2                | SE             | 128                  |               |                 |                 | 7                      |
| 11/30/2024 15:00 | 39.8            | 2                | WSW            | 255                  |               |                 |                 | 7                      |
| 11/30/2024 15:30 | 40.5            | 1                | WSW            | 239                  |               |                 |                 | 7                      |

## Coffin Butte Landfill On-site Meteorological Data for Recent Odor Complaints (2022 to 2024)

| Time Stamp       | Temperature (F) | Wind Speed (mph) | Wind Direction | Wind Direction (deg) | Odor Event ID | Odor Event Date | Odor Event Time | Odor Event Day of Week |
|------------------|-----------------|------------------|----------------|----------------------|---------------|-----------------|-----------------|------------------------|
| 11/30/2024 16:00 | 40.3            | 1                | WSW            | 239                  |               |                 |                 | 7                      |
| 11/30/2024 16:30 | 38.5            | 0                | WSW            | 239                  |               |                 |                 | 7                      |
| 11/30/2024 17:00 | 36              | 0                | WSW            | 239                  |               |                 |                 | 7                      |
| 11/30/2024 17:30 | 33.7            | 0                | WSW            | 239                  |               |                 |                 | 7                      |
| 11/30/2024 18:00 | 33.2            | 1                | WSW            | 239                  |               |                 |                 | 7                      |
| 11/30/2024 18:30 | 32.2            | 0                | WSW            | 239                  |               |                 |                 | 7                      |
| 11/30/2024 19:00 | 31.9            | 0                | SSW            | 205                  |               |                 |                 | 7                      |
| 11/30/2024 19:30 | 31.1            | 0                | SSW            | 205                  |               |                 |                 | 7                      |
| 11/30/2024 20:00 | 31.1            | 0                | SSW            | 205                  |               |                 |                 | 7                      |
| 11/30/2024 20:30 | 30.9            | 0                | SSW            | 205                  |               |                 |                 | 7                      |
| 11/30/2024 21:00 | 30.3            | 0                | SSW            | 205                  |               |                 |                 | 7                      |
| 11/30/2024 21:30 | 31              | 0                | SSW            | 205                  |               |                 |                 | 7                      |
| 11/30/2024 22:00 | 29              | 0                | SSW            | 205                  |               |                 |                 | 7                      |
| 11/30/2024 22:30 | 29.8            | 0                | SSW            | 205                  |               |                 |                 | 7                      |
| 11/30/2024 23:00 | 28.3            | 0                | SSW            | 205                  |               |                 |                 | 7                      |
| 11/30/2024 23:30 | 27.8            | 0                | SSW            | 205                  |               |                 |                 | 7                      |
| 12/1/2024 0:00   | 27.9            | 0                | SSW            | 205                  |               |                 |                 | 1                      |
| 12/1/2024 0:30   | 27.5            | 0                | SSW            | 205                  |               |                 |                 | 1                      |
| 12/1/2024 1:00   | 28.2            | 3                | SSW            | 205                  |               |                 |                 | 1                      |
| 12/1/2024 1:30   | 28.4            | 3                | SSW            | 205                  |               |                 |                 | 1                      |
| 12/1/2024 2:00   | 28.6            | 0                | SSW            | 205                  |               |                 |                 | 1                      |
| 12/1/2024 2:30   | 28.7            | 0                | SSW            | 205                  |               |                 |                 | 1                      |
| 12/1/2024 3:00   | 28.5            | 0                | SSW            | 205                  |               |                 |                 | 1                      |
| 12/1/2024 3:30   | 28.4            | 0                | SSW            | 205                  |               |                 |                 | 1                      |
| 12/1/2024 4:00   | 28.1            | 0                | SSW            | 205                  |               |                 |                 | 1                      |
| 12/1/2024 4:30   | 28.1            | 0                | SSW            | 205                  |               |                 |                 | 1                      |
| 12/1/2024 5:00   | 27.9            | 0                | SSW            | 205                  |               |                 |                 | 1                      |
| 12/1/2024 5:30   | 27.9            | 0                | SSW            | 205                  |               |                 |                 | 1                      |
| 12/1/2024 6:00   | 27.6            | 0                | SSW            | 205                  |               |                 |                 | 1                      |
| 12/1/2024 6:30   | 27.2            | 0                | SSW            | 205                  |               |                 |                 | 1                      |
| 12/1/2024 7:00   | 27.5            | 0                | SSW            | 205                  |               |                 |                 | 1                      |
| 12/1/2024 7:30   | 27.6            | 0                | SSW            | 205                  |               |                 |                 | 1                      |
| 12/1/2024 8:00   | 27.7            | 0                | SSW            | 205                  |               |                 |                 | 1                      |
| 12/1/2024 8:30   | 28.2            | 0                | SSW            | 205                  | 71            | 12/1/2024       | 8:30 AM         | 1                      |
| 12/1/2024 9:00   | 29.4            | 0                | SSW            | 205                  |               |                 |                 | 1                      |
| 12/1/2024 9:30   | 30.3            | 0                | SSW            | 205                  |               |                 |                 | 1                      |
| 12/1/2024 10:00  | 30.3            | 1                | SSW            | 205                  | 72 & 73       | 12/1/2024       | 10:00 AM        | 1                      |
| 12/1/2024 10:30  | 31              | 0                | SSW            | 205                  |               |                 |                 | 1                      |
| 12/1/2024 11:00  | 31.9            | 2                | SSW            | 207                  |               |                 |                 | 1                      |
| 12/1/2024 11:30  | 32.7            | 0                | SSW            | 209                  |               |                 |                 | 1                      |
| 12/1/2024 12:00  | 33.2            | 3                | N              | 5                    | 74            | 12/1/2024       | 11:52 AM        | 1                      |
| 12/1/2024 12:30  | 34.6            | 3                | N              | 5                    |               |                 |                 | 1                      |
| 12/1/2024 13:00  | 34.9            | 3                | NNE            | 26                   |               |                 |                 | 1                      |
| 12/1/2024 13:30  | 35.6            | 3                | NNE            | 24                   |               |                 |                 | 1                      |
| 12/1/2024 14:00  | 35.9            | 0                | NNE            | 20                   |               |                 |                 | 1                      |
| 12/1/2024 14:30  | 36.1            | 3                | NNE            | 21                   |               |                 |                 | 1                      |
| 12/1/2024 15:00  | 36.4            | 0                | NNE            | 30                   |               |                 |                 | 1                      |
| 12/1/2024 15:30  | 35.8            | 0                | NNE            | 30                   |               |                 |                 | 1                      |
| 12/1/2024 16:00  | 35.4            | 0                | NNE            | 30                   |               |                 |                 | 1                      |
| 12/1/2024 16:30  | 34.2            | 0                | NNE            | 30                   |               |                 |                 | 1                      |
| 12/1/2024 17:00  | 33.2            | 0                | NNE            | 30                   |               |                 |                 | 1                      |
| 12/1/2024 17:30  | 32.7            | 0                | NE             | 49                   |               |                 |                 | 1                      |
| 12/1/2024 18:00  | 32.6            | 0                | NE             | 48                   |               |                 |                 | 1                      |
| 12/1/2024 18:30  | 32.6            | 0                | NE             | 48                   |               |                 |                 | 1                      |
| 12/1/2024 19:00  | 32.6            | 0                | NE             | 49                   |               |                 |                 | 1                      |
| 12/1/2024 19:30  | 31.9            | 0                | NE             | 49                   |               |                 |                 | 1                      |
| 12/1/2024 20:00  | 31.9            | 0                | NE             | 49                   |               |                 |                 | 1                      |
| 12/1/2024 20:30  | 32.2            | 0                | NE             | 49                   |               |                 |                 | 1                      |
| 12/1/2024 21:00  | 31.3            | 0                | NE             | 49                   |               |                 |                 | 1                      |
| 12/1/2024 21:30  | 31.1            | 0                | NE             | 50                   |               |                 |                 | 1                      |
| 12/1/2024 22:00  | 31.1            | 0                | NE             | 50                   |               |                 |                 | 1                      |
| 12/1/2024 22:30  | 31.3            | 0                | NE             | 50                   |               |                 |                 | 1                      |
| 12/1/2024 23:00  | 31.3            | 0                | NE             | 50                   |               |                 |                 | 1                      |
| 12/1/2024 23:30  | 31.3            | 0                | NE             | 50                   |               |                 |                 | 1                      |
|                  |                 |                  |                |                      |               |                 |                 |                        |
| 12/6/2024 0:00   | 30.1            | 0                | SSE            | 161                  |               |                 |                 | 6                      |
| 12/6/2024 0:30   | 29.3            | 0                | SSE            | 161                  |               |                 |                 | 6                      |
| 12/6/2024 1:00   | 30.7            | 1                | NE             | 40                   |               |                 |                 | 6                      |
| 12/6/2024 1:30   | 30.6            | 0                | NE             | 43                   |               |                 |                 | 6                      |
| 12/6/2024 2:00   | 31.1            | 0                | NE             | 43                   |               |                 |                 | 6                      |

## Coffin Butte Landfill On-site Meteorological Data for Recent Odor Complaints (2022 to 2024)

| Time Stamp       | Temperature (F) | Wind Speed (mph) | Wind Direction | Wind Direction (deg) | Odor Event ID | Odor Event Date | Odor Event Time | Odor Event Day of Week |
|------------------|-----------------|------------------|----------------|----------------------|---------------|-----------------|-----------------|------------------------|
| 12/6/2024 2:30   | 30.3            | 0                | NE             | 43                   |               |                 |                 | 6                      |
| 12/6/2024 3:00   | 29.8            | 0                | NE             | 43                   |               |                 |                 | 6                      |
| 12/6/2024 3:30   | 28.7            | 0                | NE             | 44                   |               |                 |                 | 6                      |
| 12/6/2024 4:00   | 28.5            | 3                | S              | 184                  |               |                 |                 | 6                      |
| 12/6/2024 4:30   | 27.9            | 0                | S              | 184                  |               |                 |                 | 6                      |
| 12/6/2024 5:00   | 29.1            | 3                | NE             | 35                   |               |                 |                 | 6                      |
| 12/6/2024 5:30   | 29.1            | 0                | NNE            | 34                   |               |                 |                 | 6                      |
| 12/6/2024 6:00   | 29.2            | 0                | NNE            | 34                   |               |                 |                 | 6                      |
| 12/6/2024 6:30   | 28.9            | 0                | NNE            | 34                   |               |                 |                 | 6                      |
| 12/6/2024 7:00   | 28.7            | 0                | NNE            | 34                   |               |                 |                 | 6                      |
| 12/6/2024 7:30   | 28.3            | 2                | NNE            | 34                   |               |                 |                 | 6                      |
| 12/6/2024 8:00   | 27.9            | 0                | NE             | 35                   |               |                 |                 | 6                      |
| 12/6/2024 8:30   | 29.3            | 4                | NNE            | 32                   |               |                 |                 | 6                      |
| 12/6/2024 9:00   | 29.7            | 1                | NNE            | 32                   |               |                 |                 | 6                      |
| 12/6/2024 9:30   | 29.7            | 0                | NNE            | 32                   | 75            | 12/6/2024       | 9:45 AM         | 6                      |
| 12/6/2024 10:00  | 30              | 0                | NNE            | 33                   |               |                 |                 | 6                      |
| 12/6/2024 10:30  | 31.6            | 0                | NNE            | 33                   |               |                 |                 | 6                      |
| 12/6/2024 11:00  | 34              | 2                | NNE            | 33                   |               |                 |                 | 6                      |
| 12/6/2024 11:30  | 34.2            | 0                | NNE            | 33                   |               |                 |                 | 6                      |
| 12/6/2024 12:00  | 35.7            | 3                | NNE            | 33                   |               |                 |                 | 6                      |
| 12/6/2024 12:30  | 36.1            | 0                | NNE            | 33                   |               |                 |                 | 6                      |
| 12/6/2024 13:00  | 37              | 2                | NNE            | 33                   |               |                 |                 | 6                      |
| 12/6/2024 13:30  | 37.2            | 3                | NNE            | 32                   |               |                 |                 | 6                      |
| 12/6/2024 14:00  | 38              | 1                | NNE            | 32                   |               |                 |                 | 6                      |
| 12/6/2024 14:30  | 39.2            | 3                | NNE            | 31                   |               |                 |                 | 6                      |
| 12/6/2024 15:00  | 38.5            | 0                | NNE            | 31                   |               |                 |                 | 6                      |
| 12/6/2024 15:30  | 38.4            | 0                | NNE            | 31                   |               |                 |                 | 6                      |
| 12/6/2024 16:00  | 37.5            | 1                | NNE            | 31                   |               |                 |                 | 6                      |
| 12/6/2024 16:30  | 36.8            | 0                | NNE            | 31                   |               |                 |                 | 6                      |
| 12/6/2024 17:00  | 36.4            | 0                | NNE            | 31                   |               |                 |                 | 6                      |
| 12/6/2024 17:30  | 35.7            | 0                | NNE            | 31                   |               |                 |                 | 6                      |
| 12/6/2024 18:00  | 34              | 0                | NNE            | 31                   |               |                 |                 | 6                      |
| 12/6/2024 18:30  | 34.9            | 0                | NNE            | 32                   |               |                 |                 | 6                      |
| 12/6/2024 19:00  | 35              | 0                | NNE            | 32                   |               |                 |                 | 6                      |
| 12/6/2024 19:30  | 35.2            | 0                | NNE            | 32                   |               |                 |                 | 6                      |
| 12/6/2024 20:00  | 34.6            | 0                | NNE            | 32                   |               |                 |                 | 6                      |
| 12/6/2024 20:30  | 34.4            | 0                | NNE            | 32                   |               |                 |                 | 6                      |
| 12/6/2024 21:00  | 34.2            | 0                | NE             | 39                   |               |                 |                 | 6                      |
| 12/6/2024 21:30  | 33.1            | 0                | NE             | 39                   |               |                 |                 | 6                      |
| 12/6/2024 22:00  | 33              | 3                | NE             | 38                   |               |                 |                 | 6                      |
| 12/6/2024 22:30  | 33.5            | 0                | N              | 5                    |               |                 |                 | 6                      |
| 12/6/2024 23:00  | 33.2            | 0                | NNE            | 34                   |               |                 |                 | 6                      |
| 12/6/2024 23:30  | 33.2            | 0                | NNE            | 15                   |               |                 |                 | 6                      |
|                  |                 |                  |                |                      |               |                 |                 |                        |
| 12/14/2024 0:00  | 46.5            | 6                | S              | 188                  |               |                 |                 | 7                      |
| 12/14/2024 0:30  | 46.4            | 5                | S              | 188                  |               |                 |                 | 7                      |
| 12/14/2024 1:00  | 46.3            | 9                | S              | 191                  |               |                 |                 | 7                      |
| 12/14/2024 1:30  | 46.4            | 2                | NW             | 311                  |               |                 |                 | 7                      |
| 12/14/2024 2:00  | 46.1            | 9                | S              | 176                  |               |                 |                 | 7                      |
| 12/14/2024 2:30  | 45.6            | 2                | SSE            | 169                  |               |                 |                 | 7                      |
| 12/14/2024 3:00  | 45.7            | 2                | SSW            | 202                  |               |                 |                 | 7                      |
| 12/14/2024 3:30  | 45.5            | 9                | SW             | 236                  |               |                 |                 | 7                      |
| 12/14/2024 4:00  | 45.4            | 6                | SW             | 220                  |               |                 |                 | 7                      |
| 12/14/2024 4:30  | 45.4            | 7                | SW             | 233                  |               |                 |                 | 7                      |
| 12/14/2024 5:00  | 45.4            | 6                | SW             | 225                  |               |                 |                 | 7                      |
| 12/14/2024 5:30  | 45.2            | 9                | SSW            | 212                  |               |                 |                 | 7                      |
| 12/14/2024 6:00  | 45              | 8                | SSW            | 192                  |               |                 |                 | 7                      |
| 12/14/2024 6:30  | 45.2            | 7                | SE             | 126                  |               |                 |                 | 7                      |
| 12/14/2024 7:00  | 45.4            | 12               | SSE            | 167                  |               |                 |                 | 7                      |
| 12/14/2024 7:30  | 45.1            | 9                | SSE            | 152                  |               |                 |                 | 7                      |
| 12/14/2024 8:00  | 45              | 3                | S              | 186                  |               |                 |                 | 7                      |
| 12/14/2024 8:30  | 45.1            | 4                | S              | 188                  |               |                 |                 | 7                      |
| 12/14/2024 9:00  | 45.1            | 0                | S              | 185                  |               |                 |                 | 7                      |
| 12/14/2024 9:30  | 45.5            | 8                | S              | 175                  |               |                 |                 | 7                      |
| 12/14/2024 10:00 | 45.7            | 3                | S              | 182                  |               |                 |                 | 7                      |
| 12/14/2024 10:30 | 45.8            | 0                | SSW            | 193                  |               |                 |                 | 7                      |
| 12/14/2024 11:00 | 46              | 3                | SSW            | 194                  |               |                 |                 | 7                      |
| 12/14/2024 11:30 | 46.3            | 3                | SSW            | 198                  |               |                 |                 | 7                      |
| 12/14/2024 12:00 | 45.6            | 0                | SSW            | 198                  |               |                 |                 | 7                      |
| 12/14/2024 12:30 | 46.5            | 0                | SSW            | 198                  |               |                 |                 | 7                      |

## Coffin Butte Landfill On-site Meteorological Data for Recent Odor Complaints (2022 to 2024)

| Time Stamp       | Temperature (F) | Wind Speed (mph) | Wind Direction | Wind Direction (deg) | Odor Event ID | Odor Event Date | Odor Event Time | Odor Event Day of Week |
|------------------|-----------------|------------------|----------------|----------------------|---------------|-----------------|-----------------|------------------------|
| 12/14/2024 13:00 | 47.2            | 0                | SSW            | 198                  |               |                 |                 | 7                      |
| 12/14/2024 13:30 | 47              | 3                | SSW            | 198                  | 76            | 12/14/2024      | 1:30 PM         | 7                      |
| 12/14/2024 14:00 | 47.1            | 2                | SSW            | 196                  |               |                 |                 | 7                      |
| 12/14/2024 14:30 | 48              | 4                | SSW            | 196                  |               |                 |                 | 7                      |
| 12/14/2024 15:00 | 47.1            | 3                | S              | 181                  |               |                 |                 | 7                      |
| 12/14/2024 15:30 | 47.2            | 2                | SSW            | 200                  |               |                 |                 | 7                      |
| 12/14/2024 16:00 | 46.9            | 1                | SSE            | 159                  |               |                 |                 | 7                      |
| 12/14/2024 16:30 | 44.9            | 0                | SSE            | 159                  |               |                 |                 | 7                      |
| 12/14/2024 17:00 | 43.2            | 0                | SSE            | 159                  |               |                 |                 | 7                      |
| 12/14/2024 17:30 | 42.7            | 0                | SSE            | 159                  |               |                 |                 | 7                      |
| 12/14/2024 18:00 | 42.4            | 4                | SSE            | 159                  |               |                 |                 | 7                      |
| 12/14/2024 18:30 | 41.4            | 5                | SSE            | 159                  |               |                 |                 | 7                      |
| 12/14/2024 19:00 | 42.5            | 5                | SSW            | 205                  |               |                 |                 | 7                      |
| 12/14/2024 19:30 | 42.3            | 4                | SSW            | 205                  |               |                 |                 | 7                      |
| 12/14/2024 20:00 | 41.2            | 2                | SSW            | 192                  |               |                 |                 | 7                      |
| 12/14/2024 20:30 | 41.4            | 5                | SSW            | 200                  |               |                 |                 | 7                      |
| 12/14/2024 21:00 | 41.3            | 4                | S              | 184                  |               |                 |                 | 7                      |
| 12/14/2024 21:30 | 41.2            | 2                | S              | 184                  |               |                 |                 | 7                      |
| 12/14/2024 22:00 | 41              | 3                | S              | 181                  |               |                 |                 | 7                      |
| 12/14/2024 22:30 | 41.4            | 3                | S              | 178                  |               |                 |                 | 7                      |
| 12/14/2024 23:00 | 41              | 5                | SSW            | 214                  |               |                 |                 | 7                      |
| 12/14/2024 23:30 | 40.7            | 3                | SSW            | 201                  |               |                 |                 | 7                      |
|                  |                 |                  |                |                      |               |                 |                 |                        |
| 12/20/2024 0:00  | 45.5            | 0                | NE             | 43                   |               |                 |                 | 6                      |
| 12/20/2024 0:30  | 46.9            | 0                | SE             | 129                  |               |                 |                 | 6                      |
| 12/20/2024 1:00  | 45.2            | 1                | SE             | 129                  |               |                 |                 | 6                      |
| 12/20/2024 1:30  | 45.4            | 0                | SE             | 131                  |               |                 |                 | 6                      |
| 12/20/2024 2:00  | 45.2            | 0                | SE             | 131                  |               |                 |                 | 6                      |
| 12/20/2024 2:30  | 44.6            | 0                | SE             | 131                  |               |                 |                 | 6                      |
| 12/20/2024 3:00  | 44.8            | 0                | SE             | 131                  |               |                 |                 | 6                      |
| 12/20/2024 3:30  | 45.8            | 0                | SE             | 131                  |               |                 |                 | 6                      |
| 12/20/2024 4:00  | 45.9            | 0                | SE             | 131                  |               |                 |                 | 6                      |
| 12/20/2024 4:30  | 46.2            | 0                | SE             | 131                  |               |                 |                 | 6                      |
| 12/20/2024 5:00  | 46              | 0                | SE             | 131                  |               |                 |                 | 6                      |
| 12/20/2024 5:30  | 45.2            | 0                | SE             | 131                  |               |                 |                 | 6                      |
| 12/20/2024 6:00  | 46.1            | 2                | ESE            | 106                  |               |                 |                 | 6                      |
| 12/20/2024 6:30  | 45.7            | 0                | ESE            | 106                  |               |                 |                 | 6                      |
| 12/20/2024 7:00  | 45.6            | 2                | ESE            | 106                  |               |                 |                 | 6                      |
| 12/20/2024 7:30  | 45.4            | 0                | ESE            | 106                  |               |                 |                 | 6                      |
| 12/20/2024 8:00  | 45              | 0                | ESE            | 106                  |               |                 |                 | 6                      |
| 12/20/2024 8:30  | 44.9            | 0                | ESE            | 106                  |               |                 |                 | 6                      |
| 12/20/2024 9:00  | 45.5            | 0                | ESE            | 106                  |               |                 |                 | 6                      |
| 12/20/2024 9:30  | 46.3            | 0                | ESE            | 102                  |               |                 |                 | 6                      |
| 12/20/2024 10:00 | 46.6            | 1                | E              | 95                   |               |                 |                 | 6                      |
| 12/20/2024 10:30 | 47.1            | 0                | E              | 87                   |               |                 |                 | 6                      |
| 12/20/2024 11:00 | 47.5            | 0                | E              | 88                   |               |                 |                 | 6                      |
| 12/20/2024 11:30 | 47.7            | 0                | E              | 88                   |               |                 |                 | 6                      |
| 12/20/2024 12:00 | 47              | 1                | ENE            | 63                   |               |                 |                 | 6                      |
| 12/20/2024 12:30 | 47.4            | 2                | NE             | 50                   |               |                 |                 | 6                      |
| 12/20/2024 13:00 | 48.5            | 0                | NE             | 41                   |               |                 |                 | 6                      |
| 12/20/2024 13:30 | 48.9            | 4                | W              | 269                  |               |                 |                 | 6                      |
| 12/20/2024 14:00 | 49              | 1                | W              | 267                  |               |                 |                 | 6                      |
| 12/20/2024 14:30 | 49.7            | 0                | W              | 267                  |               |                 |                 | 6                      |
| 12/20/2024 15:00 | 50.2            | 0                | W              | 267                  | 77            | 12/20/2024      | 3:00 PM         | 6                      |
| 12/20/2024 15:30 | 49.8            | 1                | W              | 271                  |               |                 |                 | 6                      |
| 12/20/2024 16:00 | 49.6            | 2                | W              | 271                  |               |                 |                 | 6                      |
| 12/20/2024 16:30 | 49              | 0                | W              | 271                  |               |                 |                 | 6                      |
| 12/20/2024 17:00 | 48.1            | 0                | W              | 271                  |               |                 |                 | 6                      |
| 12/20/2024 17:30 | 47.6            | 2                | W              | 269                  |               |                 |                 | 6                      |
| 12/20/2024 18:00 | 46              | 2                | W              | 267                  |               |                 |                 | 6                      |
| 12/20/2024 18:30 | 43.8            | 2                | W              | 267                  |               |                 |                 | 6                      |
| 12/20/2024 19:00 | 45.3            | 1                | W              | 267                  |               |                 |                 | 6                      |
| 12/20/2024 19:30 | 45.7            | 0                | W              | 267                  |               |                 |                 | 6                      |
| 12/20/2024 20:00 | 45.7            | 3                | W              | 267                  |               |                 |                 | 6                      |
| 12/20/2024 20:30 | 46              | 2                | SSE            | 163                  |               |                 |                 | 6                      |
| 12/20/2024 21:00 | 45.5            | 0                | SSE            | 165                  |               |                 |                 | 6                      |
| 12/20/2024 21:30 | 46.2            | 0                | SSE            | 165                  |               |                 |                 | 6                      |
| 12/20/2024 22:00 | 45              | 2                | SE             | 132                  |               |                 |                 | 6                      |
| 12/20/2024 22:30 | 44.9            | 0                | SE             | 132                  |               |                 |                 | 6                      |
| 12/20/2024 23:00 | 45              | 2                | SE             | 132                  |               |                 |                 | 6                      |

## Coffin Butte Landfill On-site Meteorological Data for Recent Odor Complaints (2022 to 2024)

| Time Stamp       | Temperature (F) | Wind Speed (mph) | Wind Direction | Wind Direction (deg) | Odor Event ID | Odor Event Date | Odor Event Time    | Odor Event Day of Week |
|------------------|-----------------|------------------|----------------|----------------------|---------------|-----------------|--------------------|------------------------|
| 12/20/2024 23:30 | 45              | 0                | SE             | 132                  |               |                 |                    | 6                      |
| 12/23/2024 0:00  | 46.3            | 0                | SSW            | 193                  |               |                 |                    | 2                      |
| 12/23/2024 0:30  | 44.8            | 2                | SSW            | 193                  |               |                 |                    | 2                      |
| 12/23/2024 1:00  | 45.9            | 5                | NE             | 39                   |               |                 |                    | 2                      |
| 12/23/2024 1:30  | 45.6            | 0                | NE             | 41                   |               |                 |                    | 2                      |
| 12/23/2024 2:00  | 44              | 2                | NE             | 41                   |               |                 |                    | 2                      |
| 12/23/2024 2:30  | 44              | 0                | NE             | 43                   |               |                 |                    | 2                      |
| 12/23/2024 3:00  | 43              | 1                | NE             | 43                   |               |                 |                    | 2                      |
| 12/23/2024 3:30  | 43.1            | 0                | N              | 5                    |               |                 |                    | 2                      |
| 12/23/2024 4:00  | 42.4            | 0                | NE             | 41                   |               |                 |                    | 2                      |
| 12/23/2024 4:30  | 42.9            | 0                | NE             | 40                   |               |                 |                    | 2                      |
| 12/23/2024 5:00  | 41.3            | 0                | NE             | 40                   |               |                 |                    | 2                      |
| 12/23/2024 5:30  | 41.1            | 0                | NE             | 40                   |               |                 |                    | 2                      |
| 12/23/2024 6:00  | 39.3            | 0                | NE             | 40                   |               |                 |                    | 2                      |
| 12/23/2024 6:30  | 38.3            | 0                | NE             | 40                   |               |                 |                    | 2                      |
| 12/23/2024 7:00  | 38.5            | 0                | NE             | 42                   |               |                 |                    | 2                      |
| 12/23/2024 7:30  | 36.6            | 0                | NE             | 42                   |               |                 |                    | 2                      |
| 12/23/2024 8:00  | 36.3            | 0                | NE             | 42                   |               |                 |                    | 2                      |
| 12/23/2024 8:30  | 36.9            | 0                | NE             | 42                   |               |                 |                    | 2                      |
| 12/23/2024 9:00  | 38.1            | 0                | NE             | 42                   |               |                 |                    | 2                      |
| 12/23/2024 9:30  | 40.1            | 0                | NE             | 42                   | 78            | 12/23/2024      | 9:30 AM - 12:30 PM | 2                      |
| 12/23/2024 10:00 | 41.4            | 0                | NE             | 42                   | 78            | 12/23/2024      | 9:30 AM - 12:30 PM | 2                      |
| 12/23/2024 10:30 | 42.2            | 0                | NE             | 42                   | 78            | 12/23/2024      | 9:30 AM - 12:30 PM | 2                      |
| 12/23/2024 11:00 | 43.2            | 2                | NE             | 42                   | 78            | 12/23/2024      | 9:30 AM - 12:30 PM | 2                      |
| 12/23/2024 11:30 | 43.6            | 0                | NE             | 42                   | 78            | 12/23/2024      | 9:30 AM - 12:30 PM | 2                      |
| 12/23/2024 12:00 | 44.3            | 4                | NE             | 42                   | 78            | 12/23/2024      | 9:30 AM - 12:30 PM | 2                      |
| 12/23/2024 12:30 | 44.8            | 0                | NE             | 42                   | 78            | 12/23/2024      | 9:30 AM - 12:30 PM | 2                      |
| 12/23/2024 13:00 | 45.1            | 0                | NE             | 42                   |               |                 |                    | 2                      |
| 12/23/2024 13:30 | 45.1            | 0                | NE             | 42                   |               |                 |                    | 2                      |
| 12/23/2024 14:00 | 44.9            | 0                | NE             | 42                   | 79            | 12/23/2024      | 2:00 PM            | 2                      |
| 12/23/2024 14:30 | 44.5            | 1                | NE             | 42                   |               |                 |                    | 2                      |
| 12/23/2024 15:00 | 44.5            | 0                | S              | 184                  |               |                 |                    | 2                      |
| 12/23/2024 15:30 | 44.7            | 0                | S              | 184                  |               |                 |                    | 2                      |
| 12/23/2024 16:00 | 44.6            | 5                | SW             | 219                  |               |                 |                    | 2                      |
| 12/23/2024 16:30 | 44.5            | 1                | SW             | 215                  |               |                 |                    | 2                      |
| 12/23/2024 17:00 | 44.5            | 0                | SW             | 215                  |               |                 |                    | 2                      |
| 12/23/2024 17:30 | 44.7            | 1                | NNE            | 25                   |               |                 |                    | 2                      |
| 12/23/2024 18:00 | 44.6            | 1                | NNE            | 29                   |               |                 |                    | 2                      |
| 12/23/2024 18:30 | 44.7            | 0                | W              | 269                  |               |                 |                    | 2                      |
| 12/23/2024 19:00 | 44.6            | 0                | W              | 269                  |               |                 |                    | 2                      |
| 12/23/2024 19:30 | 44.8            | 0                | SSE            | 161                  |               |                 |                    | 2                      |
| 12/23/2024 20:00 | 46              | 0                | SSE            | 157                  |               |                 |                    | 2                      |
| 12/23/2024 20:30 | 46              | 0                | SE             | 131                  |               |                 |                    | 2                      |
| 12/23/2024 21:00 | 45.8            | 0                | E              | 94                   |               |                 |                    | 2                      |
| 12/23/2024 21:30 | 47.6            | 6                | SSW            | 211                  |               |                 |                    | 2                      |
| 12/23/2024 22:00 | 48.8            | 5                | WSW            | 238                  |               |                 |                    | 2                      |
| 12/23/2024 22:30 | 49.7            | 4                | SW             | 215                  |               |                 |                    | 2                      |
| 12/23/2024 23:00 | 49              | 0                | WSW            | 256                  |               |                 |                    | 2                      |
| 12/23/2024 23:30 | 48.7            | 0                | SW             | 231                  |               |                 |                    | 2                      |
| 12/29/2024 0:00  | 44.9            | 2                | W              | 274                  |               |                 |                    | 1                      |
| 12/29/2024 0:30  | 44.9            | 1                | W              | 273                  |               |                 |                    | 1                      |
| 12/29/2024 1:00  | 44.8            | 0                | W              | 273                  |               |                 |                    | 1                      |
| 12/29/2024 1:30  | 44.8            | 0                | W              | 272                  |               |                 |                    | 1                      |
| 12/29/2024 2:00  | 44.7            | 2                | W              | 271                  |               |                 |                    | 1                      |
| 12/29/2024 2:30  | 44.6            | 0                | W              | 271                  |               |                 |                    | 1                      |
| 12/29/2024 3:00  | 44.5            | 1                | W              | 271                  |               |                 |                    | 1                      |
| 12/29/2024 3:30  | 44.6            | 4                | SSE            | 167                  |               |                 |                    | 1                      |
| 12/29/2024 4:00  | 44.6            | 0                | SSE            | 167                  |               |                 |                    | 1                      |
| 12/29/2024 4:30  | 44.6            | 0                | SSE            | 167                  |               |                 |                    | 1                      |
| 12/29/2024 5:00  | 44.8            | 2                | S              | 184                  |               |                 |                    | 1                      |
| 12/29/2024 5:30  | 44.8            | 1                | S              | 181                  |               |                 |                    | 1                      |
| 12/29/2024 6:00  | 44.9            | 6                | S              | 163                  |               |                 |                    | 1                      |
| 12/29/2024 6:30  | 45              | 6                | SSE            | 161                  |               |                 |                    | 1                      |
| 12/29/2024 7:00  | 45              | 0                | SSE            | 161                  |               |                 |                    | 1                      |
| 12/29/2024 7:30  | 45              | 0                | SSE            | 159                  |               |                 |                    | 1                      |
| 12/29/2024 8:00  | 45              | 0                | SSE            | 159                  |               |                 |                    | 1                      |
| 12/29/2024 8:30  | 45.2            | 0                | SSE            | 159                  |               |                 |                    | 1                      |
| 12/29/2024 9:00  | 45.5            | 0                | SSE            | 159                  |               |                 |                    | 1                      |

## Coffin Butte Landfill On-site Meteorological Data for Recent Odor Complaints (2022 to 2024)

| Time Stamp       | Temperature (F) | Wind Speed (mph) | Wind Direction | Wind Direction (deg) | Odor Event ID | Odor Event Date | Odor Event Time | Odor Event Day of Week |
|------------------|-----------------|------------------|----------------|----------------------|---------------|-----------------|-----------------|------------------------|
| 12/29/2024 9:30  | 46.4            | 2                | SSE            | 161                  | 80 & 81       | 12/29/2024      | 9:29 AM         | 1                      |
| 12/29/2024 10:00 | 46.5            | 1                | SSE            | 161                  |               |                 |                 | 1                      |
| 12/29/2024 10:30 | 47.8            | 6                | SSE            | 165                  |               |                 |                 | 1                      |
| 12/29/2024 11:00 | 47.7            | 7                | SW             | 216                  |               |                 |                 | 1                      |
| 12/29/2024 11:30 | 48.1            | 14               | WSW            | 241                  |               |                 |                 | 1                      |
| 12/29/2024 12:00 | 48.8            | 4                | SSW            | 199                  |               |                 |                 | 1                      |
| 12/29/2024 12:30 | 49              | 7                | S              | 185                  |               |                 |                 | 1                      |
| 12/29/2024 13:00 | 47.9            | 7                | SW             | 234                  |               |                 |                 | 1                      |
| 12/29/2024 13:30 | 49              | 7                | S              | 186                  |               |                 |                 | 1                      |
| 12/29/2024 14:00 | 50              | 9                | SSW            | 200                  |               |                 |                 | 1                      |
| 12/29/2024 14:30 | 49.4            | 6                | SSW            | 200                  |               |                 |                 | 1                      |
| 12/29/2024 15:00 | 48.9            | 4                | SSW            | 207                  |               |                 |                 | 1                      |
| 12/29/2024 15:30 | 46.4            | 7                | SSW            | 199                  |               |                 |                 | 1                      |
| 12/29/2024 16:00 | 44.8            | 2                | S              | 182                  |               |                 |                 | 1                      |
| 12/29/2024 16:30 | 44.1            | 2                | S              | 182                  | 82            | 12/29/2024      | 4:45 PM         | 1                      |
| 12/29/2024 17:00 | 44.1            | 2                | S              | 182                  |               |                 |                 | 1                      |
| 12/29/2024 17:30 | 44.3            | 1                | S              | 182                  |               |                 |                 | 1                      |
| 12/29/2024 18:00 | 44              | 2                | S              | 182                  |               |                 |                 | 1                      |
| 12/29/2024 18:30 | 44.3            | 2                | S              | 184                  | 81            | 12/29/2024      | 6:30 PM         | 1                      |
| 12/29/2024 19:00 | 44              | 7                | SSE            | 165                  |               |                 |                 | 1                      |
| 12/29/2024 19:30 | 43.6            | 2                | SSW            | 192                  |               |                 |                 | 1                      |
| 12/29/2024 20:00 | 43.8            | 5                | S              | 178                  |               |                 |                 | 1                      |
| 12/29/2024 20:30 | 43.2            | 4                | SSW            | 193                  |               |                 |                 | 1                      |
| 12/29/2024 21:00 | 43              | 4                | SSW            | 193                  |               |                 |                 | 1                      |
| 12/29/2024 21:30 | 42.4            | 0                | SSW            | 210                  |               |                 |                 | 1                      |
| 12/29/2024 22:00 | 42.4            | 0                | S              | 188                  |               |                 |                 | 1                      |
| 12/29/2024 22:30 | 42.2            | 2                | S              | 185                  |               |                 |                 | 1                      |
| 12/29/2024 23:00 | 41.7            | 4                | E              | 95                   |               |                 |                 | 1                      |
| 12/29/2024 23:30 | 41.5            | 0                | NE             | 36                   |               |                 |                 | 1                      |
| 12/31/2024 0:00  | 35.7            | 0                | SSE            | 169                  |               |                 |                 | 3                      |
| 12/31/2024 0:30  | 35.9            | 0                | SSE            | 169                  |               |                 |                 | 3                      |
| 12/31/2024 1:00  | 37.2            | 0                | SSE            | 169                  |               |                 |                 | 3                      |
| 12/31/2024 1:30  | 36              | 1                | NE             | 51                   |               |                 |                 | 3                      |
| 12/31/2024 2:00  | 35.3            | 0                | NE             | 51                   |               |                 |                 | 3                      |
| 12/31/2024 2:30  | 36.4            | 2                | NE             | 51                   |               |                 |                 | 3                      |
| 12/31/2024 3:00  | 36.6            | 0                | NE             | 51                   |               |                 |                 | 3                      |
| 12/31/2024 3:30  | 36.9            | 0                | NE             | 51                   |               |                 |                 | 3                      |
| 12/31/2024 4:00  | 37              | 0                | NE             | 51                   |               |                 |                 | 3                      |
| 12/31/2024 4:30  | 37.2            | 0                | NE             | 51                   |               |                 |                 | 3                      |
| 12/31/2024 5:00  | 37.5            | 0                | NE             | 51                   |               |                 |                 | 3                      |
| 12/31/2024 5:30  | 37.6            | 0                | NE             | 51                   |               |                 |                 | 3                      |
| 12/31/2024 6:00  | 37.8            | 2                | NE             | 51                   |               |                 |                 | 3                      |
| 12/31/2024 6:30  | 37.8            | 0                | NE             | 51                   |               |                 |                 | 3                      |
| 12/31/2024 7:00  | 37.9            | 0                | NE             | 51                   |               |                 |                 | 3                      |
| 12/31/2024 7:30  | 37.7            | 0                | NE             | 51                   |               |                 |                 | 3                      |
| 12/31/2024 8:00  | 37.5            | 0                | NE             | 51                   |               |                 |                 | 3                      |
| 12/31/2024 8:30  | 37.2            | 0                | SE             | 139                  |               |                 |                 | 3                      |
| 12/31/2024 9:00  | 36.8            | 0                | SE             | 142                  |               |                 |                 | 3                      |
| 12/31/2024 9:30  | 37.1            | 0                | SE             | 142                  |               |                 |                 | 3                      |
| 12/31/2024 10:00 | 37.2            | 0                | SE             | 142                  |               |                 |                 | 3                      |
| 12/31/2024 10:30 | 37.3            | 2                | SSE            | 161                  |               |                 |                 | 3                      |
| 12/31/2024 11:00 | 36.7            | 2                | S              | 175                  |               |                 |                 | 3                      |
| 12/31/2024 11:30 | 36.4            | 2                | S              | 175                  |               |                 |                 | 3                      |
| 12/31/2024 12:00 | 36.4            | 5                | S              | 173                  |               |                 |                 | 3                      |
| 12/31/2024 12:30 | 36.7            | 5                | ENE            | 62                   |               |                 |                 | 3                      |
| 12/31/2024 13:00 | 37.4            | 0                | S              | 174                  |               |                 |                 | 3                      |
| 12/31/2024 13:30 | 38.3            | 3                | S              | 174                  |               |                 |                 | 3                      |
| 12/31/2024 14:00 | 38.5            | 0                | S              | 174                  |               |                 |                 | 3                      |
| 12/31/2024 14:30 | 38.7            | 1                | S              | 175                  |               |                 |                 | 3                      |
| 12/31/2024 15:00 | 38.7            | 2                | S              | 175                  |               |                 |                 | 3                      |
| 12/31/2024 15:30 | 38.3            | 2                | S              | 175                  | 83            | 12/31/2024      | 3:45 PM         | 3                      |
| 12/31/2024 16:00 | 37.9            | 3                | S              | 174                  |               |                 |                 | 3                      |
| 12/31/2024 16:30 | 37.7            | 1                | NE             | 42                   |               |                 |                 | 3                      |
| 12/31/2024 17:00 | 37.7            | 3                | NNE            | 19                   |               |                 |                 | 3                      |
| 12/31/2024 17:30 | 37.7            | 0                | NNE            | 25                   |               |                 |                 | 3                      |
| 12/31/2024 18:00 | 38              | 0                | NNE            | 32                   |               |                 |                 | 3                      |
| 12/31/2024 18:30 | 38.1            | 2                | NNE            | 32                   |               |                 |                 | 3                      |
| 12/31/2024 19:00 | 38.4            | 0                | NE             | 35                   |               |                 |                 | 3                      |
| 12/31/2024 19:30 | 39.4            | 4                | S              | 171                  |               |                 |                 | 3                      |

## Coffin Butte Landfill On-site Meteorological Data for Recent Odor Complaints (2022 to 2024)

| Time Stamp       | Temperature (F) | Wind Speed (mph) | Wind Direction | Wind Direction (deg) | Odor Event ID | Odor Event Date | Odor Event Time | Odor Event Day of Week |
|------------------|-----------------|------------------|----------------|----------------------|---------------|-----------------|-----------------|------------------------|
| 12/31/2024 20:00 | 40.3            | 8                | SSW            | 207                  |               |                 |                 | 3                      |
| 12/31/2024 20:30 | 40.7            | 6                | S              | 190                  |               |                 |                 | 3                      |
| 12/31/2024 21:00 | 40.8            | 12               | SW             | 235                  |               |                 |                 | 3                      |
| 12/31/2024 21:30 | 41              | 4                | S              | 181                  |               |                 |                 | 3                      |
| 12/31/2024 22:00 | 40.8            | 6                | S              | 188                  |               |                 |                 | 3                      |
| 12/31/2024 22:30 | 40.6            | 4                | SW             | 215                  |               |                 |                 | 3                      |
| 12/31/2024 23:00 | 40.4            | 3                | SW             | 227                  |               |                 |                 | 3                      |
| 12/31/2024 23:30 | 40.4            | 0                | SSW            | 211                  |               |                 |                 | 3                      |
| 1/1/2025 0:00    | 40.4            | 1                | SW             | 234                  | 84            | 1/1/2025        | 12:00 AM        | 4                      |
| 1/1/2025 0:30    | 40.4            | 2                | SW             | 232                  |               |                 |                 |                        |
| 1/1/2025 1:00    | 40.1            | 0                | SW             | 232                  |               |                 |                 |                        |
| 1/1/2025 1:30    | 39.6            | 0                | SW             | 232                  |               |                 |                 |                        |
| 1/1/2025 2:00    | 39.7            | 0                | SW             | 232                  |               |                 |                 |                        |
| 1/1/2025 2:30    | 39.7            | 0                | SW             | 232                  |               |                 |                 |                        |
| 1/1/2025 3:00    | 39.8            | 0                | SW             | 232                  |               |                 |                 |                        |
| 1/1/2025 3:30    | 40.1            | 0                | SW             | 232                  |               |                 |                 |                        |
| 1/1/2025 4:00    | 40.2            | 0                | SW             | 232                  |               |                 |                 |                        |
| 1/1/2025 4:30    | 40.4            | 0                | SW             | 232                  |               |                 |                 |                        |
| 1/1/2025 5:00    | 40.4            | 0                | SW             | 232                  |               |                 |                 |                        |
| 1/1/2025 5:30    | 40.5            | 0                | SW             | 232                  |               |                 |                 |                        |
| 1/1/2025 6:00    | 39.9            | 0                | SW             | 232                  |               |                 |                 |                        |
| 1/1/2025 6:30    | 40.2            | 0                | SW             | 232                  |               |                 |                 |                        |
| 1/1/2025 7:00    | 39.8            | 0                | SW             | 232                  |               |                 |                 |                        |
| 1/1/2025 7:30    | 39.1            | 0                | SW             | 232                  |               |                 |                 |                        |
| 1/1/2025 8:00    | 39              | 0                | SW             | 232                  |               |                 |                 |                        |
| 1/1/2025 8:30    | 40.2            | 0                | SW             | 232                  |               |                 |                 |                        |
| 1/1/2025 9:00    | 41              | 0                | SW             | 232                  |               |                 |                 |                        |
| 1/1/2025 9:30    | 41.7            | 0                | SW             | 232                  |               |                 |                 |                        |
| 1/1/2025 10:00   | 42.4            | 0                | SW             | 232                  |               |                 |                 |                        |
| 1/1/2025 10:30   | 43              | 0                | SW             | 232                  |               |                 |                 |                        |
| 1/1/2025 11:00   | 43.2            | 0                | SW             | 232                  |               |                 |                 |                        |
| 1/1/2025 11:30   | 43.4            | 2                | SW             | 231                  |               |                 |                 |                        |
| 1/1/2025 12:00   | 43.7            | 0                | SW             | 232                  |               |                 |                 |                        |
| 1/1/2025 12:30   | 44.1            | 0                | SW             | 232                  |               |                 |                 |                        |
| 1/1/2025 13:00   | 44.3            | 0                | SW             | 232                  |               |                 |                 |                        |
| 1/1/2025 13:30   | 44.4            | 2                | SW             | 232                  |               |                 |                 |                        |
| 1/1/2025 14:00   | 44.5            | 0                | SW             | 232                  |               |                 |                 |                        |
| 1/1/2025 14:30   | 44.5            | 2                | SW             | 235                  |               |                 |                 |                        |
| 1/1/2025 15:00   | 44.5            | 0                | SW             | 236                  |               |                 |                 |                        |
| 1/1/2025 15:30   | 44.8            | 1                | NE             | 48                   |               |                 |                 |                        |
| 1/1/2025 16:00   | 44.7            | 0                | NE             | 47                   |               |                 |                 |                        |
| 1/1/2025 16:30   | 44.5            | 1                | NE             | 45                   |               |                 |                 |                        |
| 1/1/2025 17:00   | 44.3            | 0                | NE             | 45                   |               |                 |                 |                        |
| 1/1/2025 17:30   | 44.3            | 3                | NE             | 45                   |               |                 |                 |                        |
| 1/1/2025 18:00   | 44.3            | 0                | NE             | 44                   |               |                 |                 |                        |
| 1/1/2025 18:30   | 44.2            | 0                | NE             | 44                   |               |                 |                 |                        |
| 1/1/2025 19:00   | 44.2            | 1                | NE             | 43                   |               |                 |                 |                        |
| 1/1/2025 19:30   | 44              | 0                | NE             | 43                   |               |                 |                 |                        |
| 1/1/2025 20:00   | 43.8            | 0                | NE             | 43                   |               |                 |                 |                        |
| 1/1/2025 20:30   | 43.8            | 0                | NE             | 43                   |               |                 |                 |                        |
| 1/1/2025 21:00   | 43.7            | 0                | NE             | 43                   |               |                 |                 |                        |
| 1/1/2025 21:30   | 43.6            | 0                | NE             | 43                   |               |                 |                 |                        |
| 1/1/2025 22:00   | 43.6            | 0                | NE             | 43                   |               |                 |                 |                        |
| 1/1/2025 22:30   | 43.6            | 0                | NE             | 43                   |               |                 |                 |                        |
| 1/1/2025 23:00   | 43.7            | 0                | NE             | 43                   |               |                 |                 |                        |
| 1/1/2025 23:30   | 43.6            | 0                | NE             | 43                   |               |                 |                 |                        |



## Appendix B

### Odor Pollutant Screening

Odor Pollutant Screening Based on 2023 Emission Inventory

| CAS No.    | Pollutant                                     | 2023 Emissions (lb/yr) | 2023 Emissions (g/s) | Odor Threshold (g/m3) | Odor Emission Rate (m3/s) | Odor Emission Rate Percent (%) |
|------------|-----------------------------------------------|------------------------|----------------------|-----------------------|---------------------------|--------------------------------|
| 71-55-6    | 1,1,1-Trichloroethane (methyl chloroform)     | 9.866E+01              | 1.419E-03            | 5.293E-03             | 2.681E-01                 | 0.0%                           |
| 79-34-5    | 1,1,2,2-Tetrachloroethane                     | 2.871E+02              | 4.129E-03            | 1.600E-03             | 2.581E+00                 | 0.0%                           |
| 75-34-3    | 1,1-Dichloroethane (ethylidene dichloride)    | 3.583E+02              | 5.154E-03            | 4.857E-01             | 1.061E-02                 | 0.0%                           |
| 78-87-5    | 1,2-Dichloropropane (propylene dichloride)    | 3.134E+01              | 4.507E-04            | 1.155E-03             | 3.901E-01                 | 0.0%                           |
| 106-99-0   | 1,3-Butadiene                                 | 3.630E-01              | 1.374E-05            | 2.190E-04             | 6.275E-02                 | 0.0%                           |
| 78-93-3    | 2-Butanone (methyl ethyl ketone)              | 7.877E+02              | 1.133E-02            | 2.064E-04             | 5.489E+01                 | 0.4%                           |
| 83-32-9    | Acenaphthene                                  | 1.318E-02              | 4.991E-07            | 0.000E+00             | 0.000E+00                 | 0.0%                           |
| 208-96-8   | Acenaphthylene                                | 4.698E-02              | 1.778E-06            | 0.000E+00             | 0.000E+00                 | 0.0%                           |
| 75-07-0    | Acetaldehyde                                  | 7.122E+00              | 2.696E-04            | 2.703E-06             | 9.973E+01                 | 0.7%                           |
| 67-64-1    | Acetone                                       | 6.273E+02              | 9.023E-03            | 9.502E-04             | 9.496E+00                 | 0.1%                           |
| 107-02-8   | Acrolein                                      | 8.589E-01              | 3.251E-05            | 6.191E-06             | 5.252E+00                 | 0.0%                           |
| 107-13-1   | Acrylonitrile                                 | 5.175E+02              | 7.443E-03            | 3.472E-03             | 2.144E+00                 | 0.0%                           |
| 120-12-7   | Anthracene                                    | 1.736E-02              | 6.573E-07            | 0.000E+00             | 0.000E+00                 | 0.0%                           |
| 56-55-3    | Benz[a]anthracene                             | 1.560E-02              | 5.905E-07            | 0.000E+00             | 0.000E+00                 | 0.0%                           |
| 71-43-2    | Benzene                                       | 2.385E+02              | 3.634E-03            | 1.502E-03             | 2.420E+00                 | 0.0%                           |
| 50-32-8    | Benzo[a]pyrene                                | 1.746E-03              | 6.608E-08            | 0.000E+00             | 0.000E+00                 | 0.0%                           |
| 205-99-2   | Benzo[b]fluoranthene                          | 9.201E-04              | 3.483E-08            | 0.000E+00             | 0.000E+00                 | 0.0%                           |
| 191-24-2   | Benzo[g,h,i]perylene                          | 4.540E-03              | 1.719E-07            | 0.000E+00             | 0.000E+00                 | 0.0%                           |
| 75-27-4    | Bromodichloromethane                          | 7.901E+02              | 1.136E-02            | 0.000E+00             | 0.000E+00                 | 0.0%                           |
| 106-97-8   | Butane                                        | 4.274E+02              | 6.147E-03            | 1.001E-03             | 6.143E+00                 | 0.0%                           |
| 124-38-9   | Carbon dioxide                                | 3.040E+07              | 4.373E+02            | 7.020E+01             | 6.229E+00                 | 0.0%                           |
| 75-15-0    | Carbon disulfide                              | 6.803E+01              | 9.786E-04            | 4.983E-05             | 1.964E+01                 | 0.1%                           |
| 630-08-0   | Carbon monoxide                               | 1.135E+05              | 1.841E+00            | 0.000E+00             | 0.000E+00                 | 0.0%                           |
| 56-23-5    | Carbon tetrachloride                          | 9.481E-01              | 1.364E-05            | 1.057E-02             | 1.290E-03                 | 0.0%                           |
| 463-58-1   | Carbonyl sulfide                              | 4.535E+01              | 6.523E-04            | 1.401E-04             | 4.657E+00                 | 0.0%                           |
| 108-90-7   | Chlorobenzene                                 | 4.336E+01              | 6.236E-04            | 4.005E-04             | 1.557E+00                 | 0.0%                           |
| 75-45-6    | Chlorodifluoromethane (Freon 22)              | 1.732E+02              | 2.491E-03            | 7.080E+02             | 3.519E-06                 | 0.0%                           |
| 75-00-3    | Chloroethane (ethyl chloride)                 | 1.243E+02              | 1.787E-03            | 1.003E-02             | 1.782E-01                 | 0.0%                           |
| 67-66-3    | Chloroform                                    | 5.519E+00              | 7.938E-05            | 4.980E-04             | 1.594E-01                 | 0.0%                           |
| 74-87-3    | Chloromethane (methyl chloride)               | 9.413E+01              | 1.354E-03            | 2.065E-02             | 6.556E-02                 | 0.0%                           |
| 218-01-9   | Chrysene                                      | 3.278E-03              | 1.241E-07            | 0.000E+00             | 0.000E+00                 | 0.0%                           |
| 53-70-3    | Dibenz[a,h]anthracene                         | 5.413E-03              | 2.049E-07            | 0.000E+00             | 0.000E+00                 | 0.0%                           |
| 75-71-8    | Dichlorodifluoromethane (Freon 12)            | 2.925E+03              | 4.207E-02            | 9.880E+02             | 4.258E-05                 | 0.0%                           |
| 75-43-4    | Dichlorofluoromethane (Freon 21)              | 4.155E+02              | 5.976E-03            | 0.000E+00             | 0.000E+00                 | 0.0%                           |
| 75-09-2    | Dichloromethane (methylene chloride)          | 1.871E+03              | 2.692E-02            | 4.168E-03             | 6.458E+00                 | 0.0%                           |
| 75-18-3    | Dimethyl sulfide (methyl sulfide)             | 7.127E+02              | 1.025E-02            | 2.541E-06             | 4.034E+03                 | 28.4%                          |
| 74-84-0    | Ethane                                        | 3.936E+04              | 5.661E-01            | 0.000E+00             | 0.000E+00                 | 0.0%                           |
| 64-17-5    | Ethanol                                       | 1.830E+03              | 2.632E-02            | 1.696E-04             | 1.552E+02                 | 1.1%                           |
| 100-41-4   | Ethyl benzene                                 | 7.540E+02              | 1.085E-02            | 8.684E-06             | 1.249E+03                 | 8.8%                           |
| 75-08-1    | Ethyl mercaptan (ethanethiol)                 | 2.102E+02              | 3.023E-03            | 2.541E-06             | 1.189E+03                 | 8.4%                           |
| 106-93-4   | Ethylene dibromide (EDB, 1,2-dibromoethane)   | 2.895E-01              | 4.164E-06            | 7.683E-02             | 5.419E-05                 | 0.0%                           |
| 107-06-2   | Ethylene dichloride (EDC, 1,2-dichloroethane) | 6.251E+01              | 8.992E-04            | 1.740E-02             | 5.166E-02                 | 0.0%                           |
| 206-44-0   | Fluoranthene                                  | 7.066E-02              | 2.675E-06            | 0.000E+00             | 0.000E+00                 | 0.0%                           |
| 86-73-7    | Fluorene                                      | 2.711E-01              | 1.026E-05            | 0.000E+00             | 0.000E+00                 | 0.0%                           |
| 50-00-0    | Formaldehyde                                  | 1.096E+01              | 4.147E-04            | 3.316E-05             | 1.251E+01                 | 0.1%                           |
| 110-54-3   | Hexane                                        | 8.724E+02              | 1.255E-02            | 5.287E-03             | 2.374E+00                 | 0.0%                           |
| 7783-06-4  | Hydrogen sulfide                              | 1.864E+03              | 2.681E-02            | 6.551E-06             | 4.093E+03                 | 28.8%                          |
| 193-39-5   | Indeno[1,2,3-cd]pyrene                        | 3.482E-03              | 1.318E-07            | 0.000E+00             | 0.000E+00                 | 0.0%                           |
| 67-63-0    | Isopropyl alcohol                             | 4.640E+03              | 6.674E-02            | 2.458E-03             | 2.715E+01                 | 0.2%                           |
| 7439-97-6  | Mercury and compounds                         | 9.025E-02              | 1.298E-06            | 0.000E+00             | 0.000E+00                 | 0.0%                           |
| 74-82-8    | Methane                                       | 1.251E+07              | 1.799E+02            | 0.000E+00             | 0.000E+00                 | 0.0%                           |
| 108-10-1   | Methyl isobutyl ketone (MIBK, hexone)         | 2.886E+02              | 4.151E-03            | 1.229E-04             | 3.378E+01                 | 0.2%                           |
| 74-93-1    | Methyl mercaptan                              | 1.769E+02              | 2.544E-03            | 4.132E-06             | 6.157E+02                 | 4.3%                           |
| 91-20-3    | Naphthalene                                   | 7.874E-01              | 2.981E-05            | 6.816E-06             | 4.373E+00                 | 0.0%                           |
| N/A        | NMOC                                          | 8.602E+04              | 1.316E+00            | 0.000E+00             | 0.000E+00                 | 0.0%                           |
| 10102-44-0 | NOx (as NO2)                                  | 6.138E+04              | 1.848E+00            | 1.882E-03             | 9.821E+02                 | 6.9%                           |
| 106-46-7   | p-Dichlorobenzene (1,4-dichlorobenzene)       | 4.756E+01              | 6.841E-04            | 7.276E-04             | 9.403E-01                 | 0.0%                           |
| 109-66-0   | Pentane                                       | 3.502E+02              | 5.037E-03            | 3.807E-03             | 1.323E+00                 | 0.0%                           |
| 85-01-8    | Phenanthrene                                  | 2.730E-01              | 1.033E-05            | 0.000E+00             | 0.000E+00                 | 0.0%                           |
| N/A        | PM                                            | 3.908E+04              | 6.306E-01            | 0.000E+00             | 0.000E+00                 | 0.0%                           |
| N/A        | PM10                                          | 1.656E+04              | 3.067E-01            | 0.000E+00             | 0.000E+00                 | 0.0%                           |
| 74-98-6    | Propane                                       | 7.133E+02              | 1.026E-02            | 2.700E+00             | 3.800E-03                 | 0.0%                           |
| 7446-09-5  | Sulfur dioxide                                | 9.380E+03              | 1.988E-01            | 8.646E-04             | 2.299E+02                 | 1.6%                           |
| 127-18-4   | Tetrachloroethene (perchloroethylene)         | 9.530E+02              | 1.371E-02            | 5.202E-03             | 2.635E+00                 | 0.0%                           |
| 108-88-3   | Toluene                                       | 5.582E+03              | 8.038E-02            | 9.799E-05             | 8.203E+02                 | 5.8%                           |
| N/A        | Total landfill gas                            | 4.291E+07              | 6.172E+02            | 0.000E+00             | 0.000E+00                 | 0.0%                           |
| 156-60-5   | trans-1,2-Dichloroethene                      | 4.242E+02              | 6.101E-03            | 1.098E+00             | 5.555E-03                 | 0.0%                           |
| 79-01-6    | Trichloroethene (TCE, trichloroethylene)      | 5.709E+02              | 8.212E-03            | 2.687E-03             | 3.056E+00                 | 0.0%                           |
| 75-69-4    | Trichlorofluoromethane (Freon 11)             | 1.609E+02              | 2.314E-03            | 2.809E-02             | 8.237E-02                 | 0.0%                           |
| 75-01-4    | Vinyl chloride                                | 7.068E+02              | 1.017E-02            | 5.189E-01             | 1.959E-02                 | 0.0%                           |

Odor Pollutant Screening Based on 2023 Emission Inventory

| CAS No.   | Pollutant                                                | 2023 Emissions (lb/yr) | 2023 Emissions (g/s) | Odor Threshold (g/m3) | Odor Emission Rate (m3/s) | Odor Emission Rate Percent (%) |
|-----------|----------------------------------------------------------|------------------------|----------------------|-----------------------|---------------------------|--------------------------------|
| 75-35-4   | Vinylidene chloride                                      | 2.155E+01              | 3.100E-04            | 1.983E-01             | 1.564E-03                 | 0.0%                           |
| N/A       | VOC                                                      | 3.698E+04              | 6.103E-01            | 0.000E+00             | 0.000E+00                 | 0.0%                           |
| 1330-20-7 | Xylene (mixture), including m-xylene, o-xylene, p-xylene | 1.982E+03              | 2.857E-02            | 5.210E-05             | 5.483E+02                 | 3.9%                           |

|               |           |        |
|---------------|-----------|--------|
| <b>Total:</b> | 1.423E+04 | 100.0% |
|---------------|-----------|--------|



## Appendix C

### Scenario #1 Emission Rates

2023 Emission Inventory

| 2023 Data | Source Name  | CAS No.  | Pollutant Name                             | Emissions (lb/yr) | Hours (hr/yr) | Emissions (g/s) |
|-----------|--------------|----------|--------------------------------------------|-------------------|---------------|-----------------|
| ATEI      | F-LFG1       | 71-55-6  | 1,1,1-Trichloroethane (methyl chloroform)  | 3.483E+00         | 8760          | 5.009E-05       |
| ATEI      | F-LFG2       | 71-55-6  | 1,1,1-Trichloroethane (methyl chloroform)  | 9.320E+01         | 8760          | 1.340E-03       |
| ATEI      | OPEN FLARE-1 | 71-55-6  | 1,1,1-Trichloroethane (methyl chloroform)  | 9.464E-01         | 8760          | 1.361E-05       |
| ATEI      | OPEN FLARE-2 | 71-55-6  | 1,1,1-Trichloroethane (methyl chloroform)  | 1.039E+00         | 8760          | 1.495E-05       |
| ATEI      | F-LFG1       | 79-34-5  | 1,1,2,2-Tetrachloroethane                  | 1.013E+01         | 8760          | 1.457E-04       |
| ATEI      | F-LFG2       | 79-34-5  | 1,1,2,2-Tetrachloroethane                  | 2.712E+02         | 8760          | 3.900E-03       |
| ATEI      | OPEN FLARE-1 | 79-34-5  | 1,1,2,2-Tetrachloroethane                  | 2.753E+00         | 8760          | 3.960E-05       |
| ATEI      | OPEN FLARE-2 | 79-34-5  | 1,1,2,2-Tetrachloroethane                  | 3.024E+00         | 8760          | 4.350E-05       |
| ATEI      | F-LFG1       | 75-34-3  | 1,1-Dichloroethane (ethylidene dichloride) | 1.265E+01         | 8760          | 1.819E-04       |
| ATEI      | F-LFG2       | 75-34-3  | 1,1-Dichloroethane (ethylidene dichloride) | 3.385E+02         | 8760          | 4.869E-03       |
| ATEI      | OPEN FLARE-1 | 75-34-3  | 1,1-Dichloroethane (ethylidene dichloride) | 3.437E+00         | 8760          | 4.944E-05       |
| ATEI      | OPEN FLARE-2 | 75-34-3  | 1,1-Dichloroethane (ethylidene dichloride) | 3.775E+00         | 8760          | 5.430E-05       |
| ATEI      | F-LFG1       | 78-87-5  | 1,2-Dichloropropane (propylene dichloride) | 1.106E+00         | 8760          | 1.591E-05       |
| ATEI      | F-LFG2       | 78-87-5  | 1,2-Dichloropropane (propylene dichloride) | 2.960E+01         | 8760          | 4.257E-04       |
| ATEI      | OPEN FLARE-1 | 78-87-5  | 1,2-Dichloropropane (propylene dichloride) | 3.006E-01         | 8760          | 4.323E-06       |
| ATEI      | OPEN FLARE-2 | 78-87-5  | 1,2-Dichloropropane (propylene dichloride) | 3.301E-01         | 8760          | 4.748E-06       |
| ATEI      | TIP-2        | 106-99-0 | 1,3-Butadiene                              | 2.046E-01         | 3322          | 7.759E-06       |
| ATEI      | TIP-3        | 106-99-0 | 1,3-Butadiene                              | 1.585E-01         | 3337          | 5.983E-06       |
| ATEI      | F-LFG1       | 78-93-3  | 2-Butanone (methyl ethyl ketone)           | 2.780E+01         | 8760          | 3.999E-04       |
| ATEI      | F-LFG2       | 78-93-3  | 2-Butanone (methyl ethyl ketone)           | 7.441E+02         | 8760          | 1.070E-02       |
| ATEI      | OPEN FLARE-1 | 78-93-3  | 2-Butanone (methyl ethyl ketone)           | 7.556E+00         | 8760          | 1.087E-04       |
| ATEI      | OPEN FLARE-2 | 78-93-3  | 2-Butanone (methyl ethyl ketone)           | 8.299E+00         | 8760          | 1.194E-04       |
| ATEI      | TIP-2        | 83-32-9  | Acenaphthene                               | 7.430E-03         | 3322          | 2.818E-07       |
| ATEI      | TIP-3        | 83-32-9  | Acenaphthene                               | 5.755E-03         | 3337          | 2.173E-07       |
| ATEI      | TIP-2        | 208-96-8 | Acenaphthylene                             | 2.647E-02         | 3322          | 1.004E-06       |
| ATEI      | TIP-3        | 208-96-8 | Acenaphthylene                             | 2.051E-02         | 3337          | 7.743E-07       |
| ATEI      | TIP-2        | 75-07-0  | Acetaldehyde                               | 4.013E+00         | 3322          | 1.522E-04       |
| ATEI      | TIP-3        | 75-07-0  | Acetaldehyde                               | 3.108E+00         | 3337          | 1.174E-04       |
| ATEI      | F-LFG1       | 67-64-1  | Acetone                                    | 2.214E+01         | 8760          | 3.185E-04       |
| ATEI      | F-LFG2       | 67-64-1  | Acetone                                    | 5.925E+02         | 8760          | 8.523E-03       |
| ATEI      | OPEN FLARE-1 | 67-64-1  | Acetone                                    | 6.017E+00         | 8760          | 8.654E-05       |
| ATEI      | OPEN FLARE-2 | 67-64-1  | Acetone                                    | 6.609E+00         | 8760          | 9.506E-05       |
| ATEI      | TIP-2        | 107-02-8 | Acrolein                                   | 4.840E-01         | 3322          | 1.836E-05       |
| ATEI      | TIP-3        | 107-02-8 | Acrolein                                   | 3.749E-01         | 3337          | 1.415E-05       |
| ATEI      | F-LFG1       | 107-13-1 | Acrylonitrile                              | 1.827E+01         | 8760          | 2.627E-04       |
| ATEI      | F-LFG2       | 107-13-1 | Acrylonitrile                              | 4.888E+02         | 8760          | 7.031E-03       |
| ATEI      | OPEN FLARE-1 | 107-13-1 | Acrylonitrile                              | 4.964E+00         | 8760          | 7.139E-05       |
| ATEI      | OPEN FLARE-2 | 107-13-1 | Acrylonitrile                              | 5.452E+00         | 8760          | 7.842E-05       |
| ATEI      | TIP-2        | 120-12-7 | Anthracene                                 | 9.784E-03         | 3322          | 3.711E-07       |
| ATEI      | TIP-3        | 120-12-7 | Anthracene                                 | 7.579E-03         | 3337          | 2.862E-07       |
| ATEI      | TIP-2        | 56-55-3  | Benz[a]anthracene                          | 8.790E-03         | 3322          | 3.334E-07       |
| ATEI      | TIP-3        | 56-55-3  | Benz[a]anthracene                          | 6.809E-03         | 3337          | 2.571E-07       |
| ATEI      | F-LFG1       | 71-43-2  | Benzene                                    | 8.114E+00         | 8760          | 1.167E-04       |
| ATEI      | F-LFG2       | 71-43-2  | Benzene                                    | 2.171E+02         | 8760          | 3.123E-03       |
| ATEI      | OPEN FLARE-1 | 71-43-2  | Benzene                                    | 2.205E+00         | 8760          | 3.171E-05       |
| ATEI      | OPEN FLARE-2 | 71-43-2  | Benzene                                    | 2.422E+00         | 8760          | 3.483E-05       |
| ATEI      | TIP-2        | 71-43-2  | Benzene                                    | 4.882E+00         | 3322          | 1.852E-04       |
| ATEI      | TIP-3        | 71-43-2  | Benzene                                    | 3.781E+00         | 3337          | 1.428E-04       |
| ATEI      | TIP-2        | 50-32-8  | Benzo[a]pyrene                             | 9.836E-04         | 3322          | 3.731E-08       |
| ATEI      | TIP-3        | 50-32-8  | Benzo[a]pyrene                             | 7.619E-04         | 3337          | 2.877E-08       |
| ATEI      | TIP-2        | 205-99-2 | Benzo[b]fluoranthene                       | 5.185E-04         | 3322          | 1.967E-08       |
| ATEI      | TIP-3        | 205-99-2 | Benzo[b]fluoranthene                       | 4.016E-04         | 3337          | 1.516E-08       |
| ATEI      | TIP-2        | 191-24-2 | Benzo[g,h,i]perylene                       | 2.559E-03         | 3322          | 9.704E-08       |
| ATEI      | TIP-3        | 191-24-2 | Benzo[g,h,i]perylene                       | 1.982E-03         | 3337          | 7.483E-08       |
| ATEI      | F-LFG1       | 75-27-4  | Bromodichloromethane                       | 2.789E+01         | 8760          | 4.011E-04       |
| ATEI      | F-LFG2       | 75-27-4  | Bromodichloromethane                       | 7.463E+02         | 8760          | 1.073E-02       |
| ATEI      | OPEN FLARE-1 | 75-27-4  | Bromodichloromethane                       | 7.578E+00         | 8760          | 1.090E-04       |
| ATEI      | OPEN FLARE-2 | 75-27-4  | Bromodichloromethane                       | 8.324E+00         | 8760          | 1.197E-04       |
| LandGem   | F-LFG (FUG)  | 106-97-8 | Butane                                     | 4.032E+02         | 8760          | 5.799E-03       |
| LandGem   | OPEN FLARE-1 | 106-97-8 | Butane                                     | 1.210E+01         | 8760          | 1.740E-04       |
| LandGem   | OPEN FLARE-2 | 106-97-8 | Butane                                     | 1.210E+01         | 8760          | 1.740E-04       |
| LandGem   | F-LFG (FUG)  | 124-38-9 | Carbon dioxide                             | 2.868E+07         | 8760          | 4.125E+02       |
| LandGem   | OPEN FLARE-1 | 124-38-9 | Carbon dioxide                             | 8.604E+05         | 8760          | 1.238E+01       |
| LandGem   | OPEN FLARE-2 | 124-38-9 | Carbon dioxide                             | 8.604E+05         | 8760          | 1.238E+01       |
| ATEI      | F-LFG1       | 75-15-0  | Carbon disulfide                           | 2.401E+00         | 8760          | 3.454E-05       |
| ATEI      | F-LFG2       | 75-15-0  | Carbon disulfide                           | 6.426E+01         | 8760          | 9.243E-04       |
| ATEI      | OPEN FLARE-1 | 75-15-0  | Carbon disulfide                           | 6.525E-01         | 8760          | 9.386E-06       |
| ATEI      | OPEN FLARE-2 | 75-15-0  | Carbon disulfide                           | 7.167E-01         | 8760          | 1.031E-05       |
| Annual TV | AIA          | 630-08-0 | Carbon monoxide                            | 2.000E+03         | 8760          | 2.877E-02       |
| Annual TV | F-LFG1       | 630-08-0 | Carbon monoxide                            | 2.200E+02         | 8760          | 3.164E-03       |
| Annual TV | F-LFG2       | 630-08-0 | Carbon monoxide                            | 5.880E+03         | 8760          | 8.458E-02       |

2023 Emission Inventory

| 2023 Data | Source Name  | CAS No.  | Pollutant Name                                | Emissions (lb/yr) | Hours (hr/yr) | Emissions (g/s) |
|-----------|--------------|----------|-----------------------------------------------|-------------------|---------------|-----------------|
| Annual TV | OPEN FLARE-1 | 630-08-0 | Carbon monoxide                               | 3.184E+04         | 8760          | 4.580E-01       |
| Annual TV | OPEN FLARE-2 | 630-08-0 | Carbon monoxide                               | 6.472E+04         | 8760          | 9.309E-01       |
| Annual TV | TIP-2        | 630-08-0 | Carbon monoxide                               | 5.000E+03         | 3322          | 1.896E-01       |
| Annual TV | TIP-3        | 630-08-0 | Carbon monoxide                               | 3.860E+03         | 3337          | 1.457E-01       |
| ATEI      | F-LFG1       | 56-23-5  | Carbon tetrachloride                          | 3.347E-02         | 8760          | 4.814E-07       |
| ATEI      | F-LFG2       | 56-23-5  | Carbon tetrachloride                          | 8.956E-01         | 8760          | 1.288E-05       |
| ATEI      | OPEN FLARE-1 | 56-23-5  | Carbon tetrachloride                          | 9.094E-03         | 8760          | 1.308E-07       |
| ATEI      | OPEN FLARE-2 | 56-23-5  | Carbon tetrachloride                          | 9.989E-03         | 8760          | 1.437E-07       |
| ATEI      | F-LFG1       | 463-58-1 | Carbonyl sulfide                              | 1.601E+00         | 8760          | 2.302E-05       |
| ATEI      | F-LFG2       | 463-58-1 | Carbonyl sulfide                              | 4.284E+01         | 8760          | 6.162E-04       |
| ATEI      | OPEN FLARE-1 | 463-58-1 | Carbonyl sulfide                              | 4.350E-01         | 8760          | 6.257E-06       |
| ATEI      | OPEN FLARE-2 | 463-58-1 | Carbonyl sulfide                              | 4.778E-01         | 8760          | 6.872E-06       |
| ATEI      | F-LFG1       | 108-90-7 | Chlorobenzene                                 | 1.530E+00         | 8760          | 2.201E-05       |
| ATEI      | F-LFG2       | 108-90-7 | Chlorobenzene                                 | 4.095E+01         | 8760          | 5.891E-04       |
| ATEI      | OPEN FLARE-1 | 108-90-7 | Chlorobenzene                                 | 4.159E-01         | 8760          | 5.982E-06       |
| ATEI      | OPEN FLARE-2 | 108-90-7 | Chlorobenzene                                 | 4.568E-01         | 8760          | 6.570E-06       |
| ATEI      | F-LFG1       | 75-45-6  | Chlorodifluoromethane (Freon 22)              | 6.113E+00         | 8760          | 8.793E-05       |
| ATEI      | F-LFG2       | 75-45-6  | Chlorodifluoromethane (Freon 22)              | 1.636E+02         | 8760          | 2.353E-03       |
| ATEI      | OPEN FLARE-1 | 75-45-6  | Chlorodifluoromethane (Freon 22)              | 1.661E+00         | 8760          | 2.389E-05       |
| ATEI      | OPEN FLARE-2 | 75-45-6  | Chlorodifluoromethane (Freon 22)              | 1.825E+00         | 8760          | 2.625E-05       |
| ATEI      | F-LFG1       | 75-00-3  | Chloroethane (ethyl chloride)                 | 4.386E+00         | 8760          | 6.309E-05       |
| ATEI      | F-LFG2       | 75-00-3  | Chloroethane (ethyl chloride)                 | 1.174E+02         | 8760          | 1.688E-03       |
| ATEI      | OPEN FLARE-1 | 75-00-3  | Chloroethane (ethyl chloride)                 | 1.192E+00         | 8760          | 1.714E-05       |
| ATEI      | OPEN FLARE-2 | 75-00-3  | Chloroethane (ethyl chloride)                 | 1.309E+00         | 8760          | 1.883E-05       |
| ATEI      | F-LFG1       | 67-66-3  | Chloroform                                    | 1.948E-01         | 8760          | 2.802E-06       |
| ATEI      | F-LFG2       | 67-66-3  | Chloroform                                    | 5.213E+00         | 8760          | 7.498E-05       |
| ATEI      | OPEN FLARE-1 | 67-66-3  | Chloroform                                    | 5.293E-02         | 8760          | 7.613E-07       |
| ATEI      | OPEN FLARE-2 | 67-66-3  | Chloroform                                    | 5.814E-02         | 8760          | 8.362E-07       |
| ATEI      | F-LFG1       | 74-87-3  | Chloromethane (methyl chloride)               | 3.322E+00         | 8760          | 4.779E-05       |
| ATEI      | F-LFG2       | 74-87-3  | Chloromethane (methyl chloride)               | 8.891E+01         | 8760          | 1.279E-03       |
| ATEI      | OPEN FLARE-1 | 74-87-3  | Chloromethane (methyl chloride)               | 9.029E-01         | 8760          | 1.299E-05       |
| ATEI      | OPEN FLARE-2 | 74-87-3  | Chloromethane (methyl chloride)               | 9.917E-01         | 8760          | 1.426E-05       |
| ATEI      | TIP-2        | 218-01-9 | Chrysene                                      | 1.847E-03         | 3322          | 7.005E-08       |
| ATEI      | TIP-3        | 218-01-9 | Chrysene                                      | 1.431E-03         | 3337          | 5.402E-08       |
| ATEI      | TIP-2        | 53-70-3  | Dibenz[a,h]anthracene                         | 3.050E-03         | 3322          | 1.157E-07       |
| ATEI      | TIP-3        | 53-70-3  | Dibenz[a,h]anthracene                         | 2.363E-03         | 3337          | 8.921E-08       |
| ATEI      | F-LFG1       | 75-71-8  | Dichlorodifluoromethane (Freon 12)            | 1.032E+02         | 8760          | 1.485E-03       |
| ATEI      | F-LFG2       | 75-71-8  | Dichlorodifluoromethane (Freon 12)            | 2.763E+03         | 8760          | 3.974E-02       |
| ATEI      | OPEN FLARE-1 | 75-71-8  | Dichlorodifluoromethane (Freon 12)            | 2.805E+01         | 8760          | 4.035E-04       |
| ATEI      | OPEN FLARE-2 | 75-71-8  | Dichlorodifluoromethane (Freon 12)            | 3.081E+01         | 8760          | 4.432E-04       |
| ATEI      | F-LFG1       | 75-43-4  | Dichlorofluoromethane (Freon 21)              | 1.466E+01         | 8760          | 2.109E-04       |
| ATEI      | F-LFG2       | 75-43-4  | Dichlorofluoromethane (Freon 21)              | 3.924E+02         | 8760          | 5.645E-03       |
| ATEI      | OPEN FLARE-1 | 75-43-4  | Dichlorofluoromethane (Freon 21)              | 3.985E+00         | 8760          | 5.732E-05       |
| ATEI      | OPEN FLARE-2 | 75-43-4  | Dichlorofluoromethane (Freon 21)              | 4.377E+00         | 8760          | 6.296E-05       |
| ATEI      | F-LFG1       | 75-09-2  | Dichloromethane (methylene chloride)          | 6.606E+01         | 8760          | 9.501E-04       |
| ATEI      | F-LFG2       | 75-09-2  | Dichloromethane (methylene chloride)          | 1.768E+03         | 8760          | 2.543E-02       |
| ATEI      | OPEN FLARE-1 | 75-09-2  | Dichloromethane (methylene chloride)          | 1.795E+01         | 8760          | 2.582E-04       |
| ATEI      | OPEN FLARE-2 | 75-09-2  | Dichloromethane (methylene chloride)          | 1.972E+01         | 8760          | 2.836E-04       |
| LandGem   | F-LFG (FUG)  | 75-18-3  | Dimethyl sulfide (methyl sulfide)             | 6.724E+02         | 8760          | 9.671E-03       |
| LandGem   | OPEN FLARE-1 | 75-18-3  | Dimethyl sulfide (methyl sulfide)             | 2.017E+01         | 8760          | 2.901E-04       |
| LandGem   | OPEN FLARE-2 | 75-18-3  | Dimethyl sulfide (methyl sulfide)             | 2.017E+01         | 8760          | 2.901E-04       |
| LandGem   | F-LFG (FUG)  | 74-84-0  | Ethane                                        | 3.713E+04         | 8760          | 5.341E-01       |
| LandGem   | OPEN FLARE-1 | 74-84-0  | Ethane                                        | 1.114E+03         | 8760          | 1.602E-02       |
| LandGem   | OPEN FLARE-2 | 74-84-0  | Ethane                                        | 1.114E+03         | 8760          | 1.602E-02       |
| LandGem   | F-LFG (FUG)  | 64-17-5  | Ethanol                                       | 1.726E+03         | 8760          | 2.483E-02       |
| LandGem   | OPEN FLARE-1 | 64-17-5  | Ethanol                                       | 5.179E+01         | 8760          | 7.449E-04       |
| LandGem   | OPEN FLARE-2 | 64-17-5  | Ethanol                                       | 5.179E+01         | 8760          | 7.449E-04       |
| ATEI      | F-LFG1       | 100-41-4 | Ethyl benzene                                 | 2.662E+01         | 8760          | 3.828E-04       |
| ATEI      | F-LFG2       | 100-41-4 | Ethyl benzene                                 | 7.122E+02         | 8760          | 1.024E-02       |
| ATEI      | OPEN FLARE-1 | 100-41-4 | Ethyl benzene                                 | 7.233E+00         | 8760          | 1.040E-04       |
| ATEI      | OPEN FLARE-2 | 100-41-4 | Ethyl benzene                                 | 7.944E+00         | 8760          | 1.143E-04       |
| LandGem   | F-LFG (FUG)  | 75-08-1  | Ethyl mercaptan (ethanethiol)                 | 1.983E+02         | 8760          | 2.852E-03       |
| LandGem   | OPEN FLARE-1 | 75-08-1  | Ethyl mercaptan (ethanethiol)                 | 5.948E+00         | 8760          | 8.555E-05       |
| LandGem   | OPEN FLARE-2 | 75-08-1  | Ethyl mercaptan (ethanethiol)                 | 5.948E+00         | 8760          | 8.555E-05       |
| ATEI      | F-LFG1       | 106-93-4 | Ethylene dibromide (EDB, 1,2-dibromoethane)   | 1.022E-02         | 8760          | 1.470E-07       |
| ATEI      | F-LFG2       | 106-93-4 | Ethylene dibromide (EDB, 1,2-dibromoethane)   | 2.734E-01         | 8760          | 3.933E-06       |
| ATEI      | OPEN FLARE-1 | 106-93-4 | Ethylene dibromide (EDB, 1,2-dibromoethane)   | 2.777E-03         | 8760          | 3.994E-08       |
| ATEI      | OPEN FLARE-2 | 106-93-4 | Ethylene dibromide (EDB, 1,2-dibromoethane)   | 3.050E-03         | 8760          | 4.387E-08       |
| ATEI      | F-LFG1       | 107-06-2 | Ethylene dichloride (EDC, 1,2-dichloroethane) | 2.207E+00         | 8760          | 3.174E-05       |
| ATEI      | F-LFG2       | 107-06-2 | Ethylene dichloride (EDC, 1,2-dichloroethane) | 5.905E+01         | 8760          | 8.493E-04       |
| ATEI      | OPEN FLARE-1 | 107-06-2 | Ethylene dichloride (EDC, 1,2-dichloroethane) | 5.996E-01         | 8760          | 8.625E-06       |

2023 Emission Inventory

| 2023 Data | Source Name  | CAS No.    | Pollutant Name                                | Emissions (lb/yr) | Hours (hr/yr) | Emissions (g/s) |
|-----------|--------------|------------|-----------------------------------------------|-------------------|---------------|-----------------|
| ATEI      | OPEN FLARE-2 | 107-06-2   | Ethylene dichloride (EDC, 1,2-dichloroethane) | 6.586E-01         | 8760          | 9.473E-06       |
| ATEI      | TIP-2        | 206-44-0   | Fluoranthene                                  | 3.982E-02         | 3322          | 1.510E-06       |
| ATEI      | TIP-3        | 206-44-0   | Fluoranthene                                  | 3.084E-02         | 3337          | 1.165E-06       |
| ATEI      | TIP-2        | 86-73-7    | Fluorene                                      | 1.528E-01         | 3322          | 5.795E-06       |
| ATEI      | TIP-3        | 86-73-7    | Fluorene                                      | 1.183E-01         | 3337          | 4.468E-06       |
| ATEI      | TIP-2        | 50-00-0    | Formaldehyde                                  | 6.174E+00         | 3322          | 2.342E-04       |
| ATEI      | TIP-3        | 50-00-0    | Formaldehyde                                  | 4.782E+00         | 3337          | 1.806E-04       |
| ATEI      | F-LFG1       | 110-54-3   | Hexane                                        | 3.079E+01         | 8760          | 4.429E-04       |
| ATEI      | F-LFG2       | 110-54-3   | Hexane                                        | 8.240E+02         | 8760          | 1.185E-02       |
| ATEI      | OPEN FLARE-1 | 110-54-3   | Hexane                                        | 8.368E+00         | 8760          | 1.204E-04       |
| ATEI      | OPEN FLARE-2 | 110-54-3   | Hexane                                        | 9.191E+00         | 8760          | 1.322E-04       |
| ATEI      | F-LFG1       | 7783-06-4  | Hydrogen sulfide                              | 6.580E+01         | 8760          | 9.464E-04       |
| ATEI      | F-LFG2       | 7783-06-4  | Hydrogen sulfide                              | 1.761E+03         | 8760          | 2.533E-02       |
| ATEI      | OPEN FLARE-1 | 7783-06-4  | Hydrogen sulfide                              | 1.788E+01         | 8760          | 2.572E-04       |
| ATEI      | OPEN FLARE-2 | 7783-06-4  | Hydrogen sulfide                              | 1.964E+01         | 8760          | 2.825E-04       |
| ATEI      | TIP-2        | 193-39-5   | Indeno[1,2,3-cd]pyrene                        | 1.962E-03         | 3322          | 7.442E-08       |
| ATEI      | TIP-3        | 193-39-5   | Indeno[1,2,3-cd]pyrene                        | 1.520E-03         | 3337          | 5.739E-08       |
| ATEI      | F-LFG1       | 67-63-0    | Isopropyl alcohol                             | 1.638E+02         | 8760          | 2.356E-03       |
| ATEI      | F-LFG2       | 67-63-0    | Isopropyl alcohol                             | 4.383E+03         | 8760          | 6.304E-02       |
| ATEI      | OPEN FLARE-1 | 67-63-0    | Isopropyl alcohol                             | 4.451E+01         | 8760          | 6.401E-04       |
| ATEI      | OPEN FLARE-2 | 67-63-0    | Isopropyl alcohol                             | 4.888E+01         | 8760          | 7.031E-04       |
| ATEI      | F-LFG1       | 7439-97-6  | Mercury and compounds                         | 3.186E-03         | 8760          | 4.582E-08       |
| ATEI      | F-LFG2       | 7439-97-6  | Mercury and compounds                         | 8.525E-02         | 8760          | 1.226E-06       |
| ATEI      | OPEN FLARE-1 | 7439-97-6  | Mercury and compounds                         | 8.657E-04         | 8760          | 1.245E-08       |
| ATEI      | OPEN FLARE-2 | 7439-97-6  | Mercury and compounds                         | 9.508E-04         | 8760          | 1.368E-08       |
| LandGem   | F-LFG (FUG)  | 74-82-8    | Methane                                       | 1.180E+07         | 8760          | 1.697E+02       |
| LandGem   | OPEN FLARE-1 | 74-82-8    | Methane                                       | 3.540E+05         | 8760          | 5.092E+00       |
| LandGem   | OPEN FLARE-2 | 74-82-8    | Methane                                       | 3.540E+05         | 8760          | 5.092E+00       |
| ATEI      | F-LFG1       | 108-10-1   | Methyl isobutyl ketone (MIBK, hexone)         | 1.019E+01         | 8760          | 1.465E-04       |
| ATEI      | F-LFG2       | 108-10-1   | Methyl isobutyl ketone (MIBK, hexone)         | 2.726E+02         | 8760          | 3.921E-03       |
| ATEI      | OPEN FLARE-1 | 108-10-1   | Methyl isobutyl ketone (MIBK, hexone)         | 2.768E+00         | 8760          | 3.981E-05       |
| ATEI      | OPEN FLARE-2 | 108-10-1   | Methyl isobutyl ketone (MIBK, hexone)         | 3.040E+00         | 8760          | 4.373E-05       |
| LandGem   | F-LFG (FUG)  | 74-93-1    | Methyl mercaptan                              | 1.669E+02         | 8760          | 2.400E-03       |
| LandGem   | OPEN FLARE-1 | 74-93-1    | Methyl mercaptan                              | 5.006E+00         | 8760          | 7.201E-05       |
| LandGem   | OPEN FLARE-2 | 74-93-1    | Methyl mercaptan                              | 5.006E+00         | 8760          | 7.201E-05       |
| ATEI      | TIP-2        | 91-20-3    | Naphthalene                                   | 4.437E-01         | 3322          | 1.683E-05       |
| ATEI      | TIP-3        | 91-20-3    | Naphthalene                                   | 3.437E-01         | 3337          | 1.298E-05       |
| Annual TV | AIA          | N/A        | NMOC                                          | 2.000E+03         | 8760          | 2.877E-02       |
| Annual TV | F-LFG1       | N/A        | NMOC                                          | 2.840E+03         | 8760          | 4.085E-02       |
| Annual TV | F-LFG2       | N/A        | NMOC                                          | 7.596E+04         | 8760          | 1.093E+00       |
| Annual TV | OPEN FLARE-1 | N/A        | NMOC                                          | 7.800E+02         | 8760          | 1.122E-02       |
| Annual TV | OPEN FLARE-2 | N/A        | NMOC                                          | 8.600E+02         | 8760          | 1.237E-02       |
| Annual TV | PCS          | N/A        | NMOC                                          | 2.400E+02         | 8760          | 3.452E-03       |
| Annual TV | TIP-2        | N/A        | NMOC                                          | 1.880E+03         | 3322          | 7.131E-02       |
| Annual TV | TIP-3        | N/A        | NMOC                                          | 1.460E+03         | 3337          | 5.513E-02       |
| Annual TV | AIA          | 10102-44-0 | NOx (as NO2)                                  | 2.000E+03         | 8760          | 2.877E-02       |
| Annual TV | OPEN FLARE-1 | 10102-44-0 | NOx (as NO2)                                  | 6.360E+03         | 8760          | 9.148E-02       |
| Annual TV | OPEN FLARE-2 | 10102-44-0 | NOx (as NO2)                                  | 1.190E+04         | 8760          | 1.712E-01       |
| Annual TV | TIP-2        | 10102-44-0 | NOx (as NO2)                                  | 2.318E+04         | 3322          | 8.792E-01       |
| Annual TV | TIP-3        | 10102-44-0 | NOx (as NO2)                                  | 1.794E+04         | 3337          | 6.774E-01       |
| ATEI      | F-LFG1       | 106-46-7   | p-Dichlorobenzene (1,4-dichlorobenzene)       | 1.679E+00         | 8760          | 2.415E-05       |
| ATEI      | F-LFG2       | 106-46-7   | p-Dichlorobenzene (1,4-dichlorobenzene)       | 4.493E+01         | 8760          | 6.462E-04       |
| ATEI      | OPEN FLARE-1 | 106-46-7   | p-Dichlorobenzene (1,4-dichlorobenzene)       | 4.562E-01         | 8760          | 6.562E-06       |
| ATEI      | OPEN FLARE-2 | 106-46-7   | p-Dichlorobenzene (1,4-dichlorobenzene)       | 5.011E-01         | 8760          | 7.207E-06       |
| LandGem   | F-LFG (FUG)  | 109-66-0   | Pentane                                       | 3.303E+02         | 8760          | 4.751E-03       |
| LandGem   | OPEN FLARE-1 | 109-66-0   | Pentane                                       | 9.910E+00         | 8760          | 1.425E-04       |
| LandGem   | OPEN FLARE-2 | 109-66-0   | Pentane                                       | 9.910E+00         | 8760          | 1.425E-04       |
| ATEI      | TIP-2        | 85-01-8    | Phenanthrene                                  | 1.538E-01         | 3322          | 5.834E-06       |
| ATEI      | TIP-3        | 85-01-8    | Phenanthrene                                  | 1.192E-01         | 3337          | 4.499E-06       |
| Annual TV | AIA          | N/A        | PM                                            | 2.000E+03         | 8760          | 2.877E-02       |
| Annual TV | OPEN FLARE-1 | N/A        | PM                                            | 2.700E+03         | 8760          | 3.884E-02       |
| Annual TV | OPEN FLARE-2 | N/A        | PM                                            | 2.980E+03         | 8760          | 4.286E-02       |
| Annual TV | PIR          | N/A        | PM                                            | 1.768E+04         | 8760          | 2.543E-01       |
| Annual TV | TIP-2        | N/A        | PM                                            | 1.640E+03         | 3322          | 6.220E-02       |
| Annual TV | TIP-3        | N/A        | PM                                            | 1.280E+03         | 3337          | 4.833E-02       |
| Annual TV | UPR-1        | N/A        | PM                                            | 1.260E+03         | 8760          | 1.812E-02       |
| Annual TV | UPR-2        | N/A        | PM                                            | 9.540E+03         | 8760          | 1.372E-01       |
| Annual TV | AIA          | N/A        | PM10                                          | 2.000E+03         | 8760          | 2.877E-02       |
| Annual TV | OPEN FLARE-1 | N/A        | PM10                                          | 2.700E+03         | 8760          | 3.884E-02       |
| Annual TV | OPEN FLARE-2 | N/A        | PM10                                          | 2.980E+03         | 8760          | 4.286E-02       |
| Annual TV | PIR          | N/A        | PM10                                          | 3.420E+03         | 8760          | 4.919E-02       |

2023 Emission Inventory

| 2023 Data | Source Name  | CAS No.   | Pollutant Name                                           | Emissions (lb/yr) | Hours (hr/yr) | Emissions (g/s) |
|-----------|--------------|-----------|----------------------------------------------------------|-------------------|---------------|-----------------|
| Annual TV | TIP-2        | N/A       | PM10                                                     | 1.640E+03         | 3322          | 6.220E-02       |
| Annual TV | TIP-3        | N/A       | PM10                                                     | 1.280E+03         | 3337          | 4.833E-02       |
| Annual TV | UPR-1        | N/A       | PM10                                                     | 5.000E+02         | 8760          | 7.192E-03       |
| Annual TV | UPR-2        | N/A       | PM10                                                     | 2.040E+03         | 8760          | 2.934E-02       |
| LandGem   | F-LFG (FUG)  | 74-98-6   | Propane                                                  | 6.729E+02         | 8760          | 9.679E-03       |
| LandGem   | OPEN FLARE-1 | 74-98-6   | Propane                                                  | 2.019E+01         | 8760          | 2.904E-04       |
| LandGem   | OPEN FLARE-2 | 74-98-6   | Propane                                                  | 2.019E+01         | 8760          | 2.904E-04       |
| Annual TV | AIA          | 7446-09-5 | Sulfur dioxide                                           | 2.000E+03         | 8760          | 2.877E-02       |
| Annual TV | OPEN FLARE-1 | 7446-09-5 | Sulfur dioxide                                           | 2.220E+03         | 8760          | 3.193E-02       |
| Annual TV | OPEN FLARE-2 | 7446-09-5 | Sulfur dioxide                                           | 2.440E+03         | 8760          | 3.510E-02       |
| Annual TV | TIP-2        | 7446-09-5 | Sulfur dioxide                                           | 1.540E+03         | 3322          | 5.841E-02       |
| Annual TV | TIP-3        | 7446-09-5 | Sulfur dioxide                                           | 1.180E+03         | 3337          | 4.455E-02       |
| ATEI      | F-LFG1       | 127-18-4  | Tetrachloroethene (perchloroethylene)                    | 3.364E+01         | 8760          | 4.839E-04       |
| ATEI      | F-LFG2       | 127-18-4  | Tetrachloroethene (perchloroethylene)                    | 9.002E+02         | 8760          | 1.295E-02       |
| ATEI      | OPEN FLARE-1 | 127-18-4  | Tetrachloroethene (perchloroethylene)                    | 9.141E+00         | 8760          | 1.315E-04       |
| ATEI      | OPEN FLARE-2 | 127-18-4  | Tetrachloroethene (perchloroethylene)                    | 1.004E+01         | 8760          | 1.444E-04       |
| ATEI      | F-LFG1       | 108-88-3  | Toluene                                                  | 1.969E+02         | 8760          | 2.832E-03       |
| ATEI      | F-LFG2       | 108-88-3  | Toluene                                                  | 5.269E+03         | 8760          | 7.579E-02       |
| ATEI      | OPEN FLARE-1 | 108-88-3  | Toluene                                                  | 5.351E+01         | 8760          | 7.696E-04       |
| ATEI      | OPEN FLARE-2 | 108-88-3  | Toluene                                                  | 5.877E+01         | 8760          | 8.453E-04       |
| ATEI      | TIP-2        | 108-88-3  | Toluene                                                  | 2.140E+00         | 3322          | 8.117E-05       |
| ATEI      | TIP-3        | 108-88-3  | Toluene                                                  | 1.658E+00         | 3337          | 6.259E-05       |
| LandGem   | F-LFG (FUG)  | N/A       | Total landfill gas                                       | 4.048E+07         | 8760          | 5.823E+02       |
| LandGem   | OPEN FLARE-1 | N/A       | Total landfill gas                                       | 1.214E+06         | 8760          | 1.747E+01       |
| LandGem   | OPEN FLARE-2 | N/A       | Total landfill gas                                       | 1.214E+06         | 8760          | 1.747E+01       |
| ATEI      | F-LFG1       | 156-60-5  | trans-1,2-Dichloroethene                                 | 1.497E+01         | 8760          | 2.154E-04       |
| ATEI      | F-LFG2       | 156-60-5  | trans-1,2-Dichloroethene                                 | 4.007E+02         | 8760          | 5.763E-03       |
| ATEI      | OPEN FLARE-1 | 156-60-5  | trans-1,2-Dichloroethene                                 | 4.069E+00         | 8760          | 5.852E-05       |
| ATEI      | OPEN FLARE-2 | 156-60-5  | trans-1,2-Dichloroethene                                 | 4.469E+00         | 8760          | 6.428E-05       |
| ATEI      | F-LFG1       | 79-01-6   | Trichloroethene (TCE, trichloroethylene)                 | 2.015E+01         | 8760          | 2.899E-04       |
| ATEI      | F-LFG2       | 79-01-6   | Trichloroethene (TCE, trichloroethylene)                 | 5.393E+02         | 8760          | 7.757E-03       |
| ATEI      | OPEN FLARE-1 | 79-01-6   | Trichloroethene (TCE, trichloroethylene)                 | 5.476E+00         | 8760          | 7.877E-05       |
| ATEI      | OPEN FLARE-2 | 79-01-6   | Trichloroethene (TCE, trichloroethylene)                 | 6.015E+00         | 8760          | 8.651E-05       |
| ATEI      | F-LFG1       | 75-69-4   | Trichlorofluoromethane (Freon 11)                        | 5.678E+00         | 8760          | 8.167E-05       |
| ATEI      | F-LFG2       | 75-69-4   | Trichlorofluoromethane (Freon 11)                        | 1.520E+02         | 8760          | 2.186E-03       |
| ATEI      | OPEN FLARE-1 | 75-69-4   | Trichlorofluoromethane (Freon 11)                        | 1.543E+00         | 8760          | 2.219E-05       |
| ATEI      | OPEN FLARE-2 | 75-69-4   | Trichlorofluoromethane (Freon 11)                        | 1.695E+00         | 8760          | 2.438E-05       |
| ATEI      | F-LFG1       | 75-01-4   | Vinyl chloride                                           | 2.495E+01         | 8760          | 3.589E-04       |
| ATEI      | F-LFG2       | 75-01-4   | Vinyl chloride                                           | 6.676E+02         | 8760          | 9.603E-03       |
| ATEI      | OPEN FLARE-1 | 75-01-4   | Vinyl chloride                                           | 6.780E+00         | 8760          | 9.751E-05       |
| ATEI      | OPEN FLARE-2 | 75-01-4   | Vinyl chloride                                           | 7.446E+00         | 8760          | 1.071E-04       |
| ATEI      | F-LFG1       | 75-35-4   | Vinylidene chloride                                      | 7.607E-01         | 8760          | 1.094E-05       |
| ATEI      | F-LFG2       | 75-35-4   | Vinylidene chloride                                      | 2.036E+01         | 8760          | 2.928E-04       |
| ATEI      | OPEN FLARE-1 | 75-35-4   | Vinylidene chloride                                      | 2.067E-01         | 8760          | 2.973E-06       |
| ATEI      | OPEN FLARE-2 | 75-35-4   | Vinylidene chloride                                      | 2.271E-01         | 8760          | 3.266E-06       |
| Annual TV | AIA          | N/A       | VOC                                                      | 2.000E+03         | 8760          | 2.877E-02       |
| Annual TV | F-LFG1       | N/A       | VOC                                                      | 1.100E+03         | 8760          | 1.582E-02       |
| Annual TV | F-LFG2       | N/A       | VOC                                                      | 2.960E+04         | 8760          | 4.258E-01       |
| Annual TV | OPEN FLARE-1 | N/A       | VOC                                                      | 3.400E+02         | 8760          | 4.890E-03       |
| Annual TV | OPEN FLARE-2 | N/A       | VOC                                                      | 3.600E+02         | 8760          | 5.178E-03       |
| Annual TV | PCS          | N/A       | VOC                                                      | 2.400E+02         | 8760          | 3.452E-03       |
| Annual TV | TIP-2        | N/A       | VOC                                                      | 1.880E+03         | 3322          | 7.131E-02       |
| Annual TV | TIP-3        | N/A       | VOC                                                      | 1.460E+03         | 3337          | 5.513E-02       |
| ATEI      | F-LFG1       | 1330-20-7 | Xylene (mixture), including m-xylene, o-xylene, p-xylene | 6.986E+01         | 8760          | 1.005E-03       |
| ATEI      | F-LFG2       | 1330-20-7 | Xylene (mixture), including m-xylene, o-xylene, p-xylene | 1.869E+03         | 8760          | 2.689E-02       |
| ATEI      | OPEN FLARE-1 | 1330-20-7 | Xylene (mixture), including m-xylene, o-xylene, p-xylene | 1.898E+01         | 8760          | 2.730E-04       |
| ATEI      | OPEN FLARE-2 | 1330-20-7 | Xylene (mixture), including m-xylene, o-xylene, p-xylene | 2.085E+01         | 8760          | 2.999E-04       |
| ATEI      | TIP-2        | 1330-20-7 | Xylene (mixture), including m-xylene, o-xylene, p-xylene | 1.491E+00         | 3322          | 5.656E-05       |
| ATEI      | TIP-3        | 1330-20-7 | Xylene (mixture), including m-xylene, o-xylene, p-xylene | 1.155E+00         | 3337          | 4.361E-05       |

Pollutants Added from 2023 LandGem Inventory

| Pollutant                               | 2023<br>LandGem<br>Gas Generated<br>(tons/yr) | 2023<br>LandGem<br>Gas Generated<br>(lb/yr) | 2023<br>LandGem<br>Fugitives<br>(lb/yr) * | 2023<br>LandGem<br>Open Flare 1<br>(lb/yr) ** | 2023<br>LandGem<br>Open Flare 2<br>(lb/yr) ** |
|-----------------------------------------|-----------------------------------------------|---------------------------------------------|-------------------------------------------|-----------------------------------------------|-----------------------------------------------|
| Total landfill gas                      | 8.10E+04                                      | 1.62E+08                                    | 4.05E+07                                  | 1.21E+06                                      | 1.21E+06                                      |
| Methane                                 | 2.36E+04                                      | 4.72E+07                                    | 1.18E+07                                  | 3.54E+05                                      | 3.54E+05                                      |
| Carbon dioxide                          | 5.74E+04                                      | 1.15E+08                                    | 2.87E+07                                  | 8.60E+05                                      | 8.60E+05                                      |
| Butane - VOC                            | 8.06E-01                                      | 1.61E+03                                    | 4.03E+02                                  | 1.21E+01                                      | 1.21E+01                                      |
| Dimethyl sulfide (methyl sulfide) - VOC | 1.34E+00                                      | 2.69E+03                                    | 6.72E+02                                  | 2.02E+01                                      | 2.02E+01                                      |
| Ethane                                  | 7.43E+01                                      | 1.49E+05                                    | 3.71E+04                                  | 1.11E+03                                      | 1.11E+03                                      |
| Ethanol - VOC                           | 3.45E+00                                      | 6.90E+03                                    | 1.73E+03                                  | 5.18E+01                                      | 5.18E+01                                      |
| Ethyl mercaptan (ethanethiol) - VOC     | 3.97E-01                                      | 7.93E+02                                    | 1.98E+02                                  | 5.95E+00                                      | 5.95E+00                                      |
| Methyl mercaptan - VOC                  | 3.34E-01                                      | 6.67E+02                                    | 1.67E+02                                  | 5.01E+00                                      | 5.01E+00                                      |
| Pentane - VOC                           | 6.61E-01                                      | 1.32E+03                                    | 3.30E+02                                  | 9.91E+00                                      | 9.91E+00                                      |
| Propane - VOC                           | 1.35E+00                                      | 2.69E+03                                    | 6.73E+02                                  | 2.02E+01                                      | 2.02E+01                                      |

**Notes:**

\* Fugitive emissions assumed 75% gas collection and 25% fugitive loss.

\*\* Flare emissions assumed 98% destruction of the 75% gas collection, then a 50% / 50% split for Open Flare 1 and Open Flare 2.



## Appendix D

### Scenario #2 Emission Rates

2052 Emission Inventory

| 2052 Data | Source Name | CAS No.    | Pollutant Name                                           | Emission Factor Reference | Emissions (lb/yr) | Hours (hr/yr) | Emissions (g/s) |
|-----------|-------------|------------|----------------------------------------------------------|---------------------------|-------------------|---------------|-----------------|
| LandGEM   | FUG         | 75-18-3    | Dimethyl sulfide (methyl sulfide)                        | LandGEM                   | 1,153.66          | 8760          | 1.66E-02        |
| LandGEM   | FUG_EXP     | 75-18-3    | Dimethyl sulfide (methyl sulfide)                        | LandGEM                   | 271.94            | 8760          | 3.91E-03        |
| LandGEM   | EFLARE-1    | 75-18-3    | Dimethyl sulfide (methyl sulfide)                        | LandGEM                   | 85.54             | 8760          | 1.23E-03        |
| LandGEM   | FUG         | 100-41-4   | Ethyl benzene                                            | AP-42                     | 1,145.09          | 8760          | 1.65E-02        |
| LandGEM   | FUG_EXP     | 100-41-4   | Ethyl benzene                                            | AP-42                     | 269.92            | 8760          | 3.88E-03        |
| LandGEM   | EFLARE-1    | 100-41-4   | Ethyl benzene                                            | AP-42                     | 84.90             | 8760          | 1.22E-03        |
| LandGEM   | FUG         | 75-08-1    | Ethyl mercaptan (ethanethiol)                            | LandGEM                   | 340.18            | 8760          | 4.89E-03        |
| LandGEM   | FUG_EXP     | 75-08-1    | Ethyl mercaptan (ethanethiol)                            | LandGEM                   | 80.19             | 8760          | 1.15E-03        |
| LandGEM   | EFLARE-1    | 75-08-1    | Ethyl mercaptan (ethanethiol)                            | LandGEM                   | 25.22             | 8760          | 3.63E-04        |
| LandGEM   | FUG         | 7783-06-4  | Hydrogen sulfide                                         | AP-42                     | 2,830.78          | 8760          | 4.07E-02        |
| LandGEM   | FUG_EXP     | 7783-06-4  | Hydrogen sulfide                                         | AP-42                     | 667.27            | 8760          | 9.60E-03        |
| LandGEM   | EFLARE-1    | 7783-06-4  | Hydrogen sulfide                                         | AP-42                     | 209.88            | 8760          | 3.02E-03        |
| LandGEM   | FUG         | 74-93-1    | Methyl mercaptan                                         | LandGEM                   | 286.32            | 8760          | 4.12E-03        |
| LandGEM   | FUG_EXP     | 74-93-1    | Methyl mercaptan                                         | LandGEM                   | 67.49             | 8760          | 9.71E-04        |
| LandGEM   | EFLARE-1    | 74-93-1    | Methyl mercaptan                                         | LandGEM                   | 21.23             | 8760          | 3.05E-04        |
| LandGEM   | AIA         | 10102-44-0 | NOx (as NO2)                                             | Title V Permit            | 2,000.00          | 8760          | 2.88E-02        |
| LandGEM   | TIP-2       | 10102-44-0 | NOx (as NO2)                                             | Title V Permit            | 23,180.00         | 3322          | 8.79E-01        |
| LandGEM   | TIP-3       | 10102-44-0 | NOx (as NO2)                                             | Title V Permit            | 17,940.00         | 3337          | 6.77E-01        |
| LandGEM   | EFLARE-1    | 10102-44-0 | NOx (as NO2)                                             | Title V Permit            | 92,958.10         | 8760          | 1.34E+00        |
| LandGEM   | FUG         | 108-88-3   | Toluene                                                  | AP-42                     | 8,471.72          | 8760          | 1.22E-01        |
| LandGEM   | FUG_EXP     | 108-88-3   | Toluene                                                  | AP-42                     | 1,996.96          | 8760          | 2.87E-02        |
| LandGEM   | EFLARE-1    | 108-88-3   | Toluene                                                  | AP-42                     | 628.12            | 8760          | 9.03E-03        |
| LandGEM   | TIP-2       | 108-88-3   | Toluene                                                  | AP-42 3.3-2               | 2.14              | 3322          | 8.12E-05        |
| LandGEM   | TIP-3       | 108-88-3   | Toluene                                                  | AP-42 3.3-2               | 1.66              | 3337          | 6.26E-05        |
| LandGEM   | FUG         | 1330-20-7  | Xylene (mixture), including m-xylene, o-xylene, p-xylene | AP-42                     | 3,005.55          | 8760          | 4.32E-02        |
| LandGEM   | FUG_EXP     | 1330-20-7  | Xylene (mixture), including m-xylene, o-xylene, p-xylene | AP-42                     | 708.47            | 8760          | 1.02E-02        |
| LandGEM   | EFLARE-1    | 1330-20-7  | Xylene (mixture), including m-xylene, o-xylene, p-xylene | AP-42                     | 222.84            | 8760          | 3.21E-03        |
| LandGEM   | TIP-2       | 1330-20-7  | Xylene (mixture), including m-xylene, o-xylene, p-xylene | AP-42 3.3-2               | 1.49              | 3322          | 5.66E-05        |
| LandGEM   | TIP-3       | 1330-20-7  | Xylene (mixture), including m-xylene, o-xylene, p-xylene | AP-42 3.3-2               | 1.16              | 3337          | 4.36E-05        |

Pollutants Added from 2052 LandGem Inventory

| Pollutant                               | 2052<br>LandGem<br>Gas Generated<br>(tons/yr) | 2052<br>LandGem<br>Gas Generated<br>(lb/yr) | 2052<br>LandGEM<br>Fugitives<br>(lb/yr) * | 2052<br>LandGEM<br>FUG<br>(lb/yr) ** | 2052<br>LandGEM<br>FUG_EXP<br>(lb/yr) ** | 2052<br>LandGem<br>Enclosed Flare<br>(lb/yr) *** |
|-----------------------------------------|-----------------------------------------------|---------------------------------------------|-------------------------------------------|--------------------------------------|------------------------------------------|--------------------------------------------------|
| Total landfill gas                      | 1.71E+05                                      | 3.43E+08                                    | 8.57E+07                                  | 6.93E+07                             | 1.63E+07                                 | 5.14E+06                                         |
| Methane                                 | 4.99E+04                                      | 9.99E+07                                    | 2.50E+07                                  | 2.02E+07                             | 4.76E+06                                 | 7.49E+05                                         |
| Carbon dioxide                          | 1.21E+05                                      | 2.43E+08                                    | 6.07E+07                                  | 4.91E+07                             | 1.16E+07                                 | 1.82E+06                                         |
| Butane - VOC                            | 1.71E+00                                      | 3.41E+03                                    | 8.53E+02                                  | 6.90E+02                             | 1.63E+02                                 | 2.56E+01                                         |
| Dimethyl sulfide (methyl sulfide) - VOC | 2.85E+00                                      | 5.69E+03                                    | 1.42E+03                                  | 1.15E+03                             | 2.71E+02                                 | 4.27E+01                                         |
| Ethane                                  | 1.57E+02                                      | 3.14E+05                                    | 7.86E+04                                  | 6.36E+04                             | 1.50E+04                                 | 2.36E+03                                         |
| Ethanol - VOC                           | 7.30E+00                                      | 1.46E+04                                    | 3.65E+03                                  | 2.96E+03                             | 6.97E+02                                 | 1.10E+02                                         |
| Ethyl mercaptan (ethanethiol) - VOC     | 8.39E-01                                      | 1.68E+03                                    | 4.19E+02                                  | 3.39E+02                             | 8.00E+01                                 | 1.26E+01                                         |
| Methyl mercaptan - VOC                  | 7.06E-01                                      | 1.41E+03                                    | 3.53E+02                                  | 2.86E+02                             | 6.74E+01                                 | 1.06E+01                                         |
| Pentane - VOC                           | 1.40E+00                                      | 2.80E+03                                    | 6.99E+02                                  | 5.66E+02                             | 1.33E+02                                 | 2.10E+01                                         |
| Propane - VOC                           | 2.85E+00                                      | 5.69E+03                                    | 1.42E+03                                  | 1.15E+03                             | 2.72E+02                                 | 4.27E+01                                         |

**Notes:**

\* Fugitive emissions assumed 75% gas collection and 25% fugitive loss.

\*\* Fugitive emissions split 81% to FUG and 19% to FUG\_EXP sources based on area size

\*\*\* Flare emissions assumed 98% destruction of the 75% gas collection



## Appendix E

### Odor Thresholds

Odor Thresholds

| CAS No.    | Pollutant                                                | Molecular Weight (g/mole) | Odor Threshold Reference | Odor Threshold (ppm) | Odor Threshold (ug/m3) | Odor Threshold (mg/m3) | Odor Threshold (g/m3) |
|------------|----------------------------------------------------------|---------------------------|--------------------------|----------------------|------------------------|------------------------|-----------------------|
| 71-55-6    | 1,1,1-Trichloroethane (methyl chloroform)                | 133.42                    | AIHA                     | 0.97                 | 5.293E+03              | 5.293E+00              | 5.293E-03             |
| 79-34-5    | 1,1,2,2-Tetrachloroethane                                | 167.85                    | AIHA                     | 0.233                | 1.600E+03              | 1.600E+00              | 1.600E-03             |
| 75-34-3    | 1,1-Dichloroethane (ethylidene dichloride)               | 98.97                     | EPA HAPs                 | 120                  | 4.857E+05              | 4.857E+02              | 4.857E-01             |
| 95-50-1    | 1,2-Dichlorobenzene                                      | 147.00                    | AIHA                     | 0.02                 | 1.202E+02              | 1.202E-01              | 1.202E-04             |
| 78-87-5    | 1,2-Dichloropropane (propylene dichloride)               | 112.99                    | EPA HAPs                 | 0.25                 | 1.155E+03              | 1.155E+00              | 1.155E-03             |
| 106-99-0   | 1,3-Butadiene                                            | 54.09                     | AIHA                     | 0.099                | 2.190E+02              | 2.190E-01              | 2.190E-04             |
| 78-93-3    | 2-Butanone (methyl ethyl ketone)                         | 72.10                     | AIHA                     | 0.07                 | 2.064E+02              | 2.064E-01              | 2.064E-04             |
| 83-32-9    | Acenaphthene                                             | 154.21                    | N/A                      | 0                    | 0.000E+00              | 0.000E+00              | 0.000E+00             |
| 208-96-8   | Acenaphthylene                                           | 152.19                    | N/A                      | 0                    | 0.000E+00              | 0.000E+00              | 0.000E+00             |
| 75-07-0    | Acetaldehyde                                             | 44.06                     | AIHA                     | 0.0015               | 2.703E+00              | 2.703E-03              | 2.703E-06             |
| 67-64-1    | Acetone                                                  | 58.08                     | AIHA                     | 0.4                  | 9.502E+02              | 9.502E-01              | 9.502E-04             |
| 107-02-8   | Acrolein                                                 | 56.06                     | AIHA                     | 0.0027               | 6.191E+00              | 6.191E-03              | 6.191E-06             |
| 107-13-1   | Acrylonitrile                                            | 53.06                     | AIHA                     | 1.6                  | 3.472E+03              | 3.472E+00              | 3.472E-03             |
| 120-12-7   | Anthracene                                               | 178.23                    | N/A                      | 0                    | 0.000E+00              | 0.000E+00              | 0.000E+00             |
| 56-55-3    | Benz[a]anthracene                                        | 228.29                    | N/A                      | 0                    | 0.000E+00              | 0.000E+00              | 0.000E+00             |
| 71-43-2    | Benzene                                                  | 78.11                     | AIHA                     | 0.47                 | 1.502E+03              | 1.502E+00              | 1.502E-03             |
| 50-32-8    | Benzo[a]pyrene                                           | 252.31                    | N/A                      | 0                    | 0.000E+00              | 0.000E+00              | 0.000E+00             |
| 205-99-2   | Benzo[b]fluoranthene                                     | 252.31                    | N/A                      | 0                    | 0.000E+00              | 0.000E+00              | 0.000E+00             |
| 191-24-2   | Benzo[g,h,i]perylene                                     | 276.33                    | N/A                      | 0                    | 0.000E+00              | 0.000E+00              | 0.000E+00             |
| 75-27-4    | Bromodichloromethane                                     | 163.83                    | N/A                      | 0                    | 0.000E+00              | 0.000E+00              | 0.000E+00             |
| 106-97-8   | Butane                                                   | 58.12                     | AIHA                     | 0.421                | 1.001E+03              | 1.001E+00              | 1.001E-03             |
| 124-38-9   | Carbon dioxide                                           | 44.01                     | AIHA                     | 39000                | 7.020E+07              | 7.020E+04              | 7.020E+01             |
| 75-15-0    | Carbon disulfide                                         | 76.14                     | AIHA                     | 0.016                | 4.983E+01              | 4.983E-02              | 4.983E-05             |
| 630-08-0   | Carbon monoxide                                          | 28.01                     | N/A                      | 0                    | 0.000E+00              | 0.000E+00              | 0.000E+00             |
| 56-23-5    | Carbon tetrachloride                                     | 153.80                    | AIHA                     | 1.68                 | 1.057E+04              | 1.057E+01              | 1.057E-02             |
| 463-58-1   | Carbonyl sulfide                                         | 60.08                     | AIHA                     | 0.057                | 1.401E+02              | 1.401E-01              | 1.401E-04             |
| 108-90-7   | Chlorobenzene                                            | 112.56                    | AIHA                     | 0.087                | 4.005E+02              | 4.005E-01              | 4.005E-04             |
| 75-45-6    | Chlorodifluoromethane (Freon 22)                         | 86.47                     | AIHA                     | 200192               | 7.080E+08              | 7.080E+05              | 7.080E+02             |
| 75-00-3    | Chloroethane (ethyl chloride)                            | 64.52                     | AIHA                     | 3.8                  | 1.003E+04              | 1.003E+01              | 1.003E-02             |
| 67-66-3    | Chloroform                                               | 119.38                    | AIHA                     | 0.102                | 4.980E+02              | 4.980E-01              | 4.980E-04             |
| 74-87-3    | Chloromethane (methyl chloride)                          | 50.49                     | AIHA                     | 10                   | 2.065E+04              | 2.065E+01              | 2.065E-02             |
| 218-01-9   | Chrysene                                                 | 228.29                    | N/A                      | 0                    | 0.000E+00              | 0.000E+00              | 0.000E+00             |
| 53-70-3    | Dibenz[a,h]anthracene                                    | 278.35                    | N/A                      | 0                    | 0.000E+00              | 0.000E+00              | 0.000E+00             |
| 75-71-8    | Dichlorodifluoromethane (Freon 12)                       | 120.91                    | AIHA                     | 199790               | 9.880E+08              | 9.880E+05              | 9.880E+02             |
| 75-43-4    | Dichlorofluoromethane (Freon 21)                         | 102.92                    | N/A                      | 0                    | 0.000E+00              | 0.000E+00              | 0.000E+00             |
| 75-09-2    | Dichloromethane (methylene chloride)                     | 84.93                     | AIHA                     | 1.2                  | 4.168E+03              | 4.168E+00              | 4.168E-03             |
| 75-18-3    | Dimethyl sulfide (methyl sulfide)                        | 62.14                     | CAMEO                    | 0.001                | 2.541E+00              | 2.541E-03              | 2.541E-06             |
| 74-84-0    | Ethane                                                   | 30.07                     | N/A                      | 0                    | 0.000E+00              | 0.000E+00              | 0.000E+00             |
| 64-17-5    | Ethanol                                                  | 46.07                     | AIHA                     | 0.09                 | 1.696E+02              | 1.696E-01              | 1.696E-04             |
| 100-41-4   | Ethyl benzene                                            | 106.16                    | AIHA                     | 0.002                | 8.684E+00              | 8.684E-03              | 8.684E-06             |
| 75-08-1    | Ethyl mercaptan (ethanethiol)                            | 62.13                     | CAMEO                    | 0.001                | 2.541E+00              | 2.541E-03              | 2.541E-06             |
| 106-93-4   | Ethylene dibromide (EDB, 1,2-dibromoethane)              | 187.86                    | AIHA                     | 10                   | 7.683E+04              | 7.683E+01              | 7.683E-02             |
| 107-06-2   | Ethylene dichloride (EDC, 1,2-dichloroethane)            | 98.96                     | AIHA                     | 4.3                  | 1.740E+04              | 1.740E+01              | 1.740E-02             |
| 206-44-0   | Fluoranthene                                             | 202.25                    | N/A                      | 0                    | 0.000E+00              | 0.000E+00              | 0.000E+00             |
| 86-73-7    | Fluorene                                                 | 166.22                    | N/A                      | 0                    | 0.000E+00              | 0.000E+00              | 0.000E+00             |
| 50-00-0    | Formaldehyde                                             | 30.03                     | AIHA                     | 0.027                | 3.316E+01              | 3.316E-02              | 3.316E-05             |
| 110-54-3   | Hexane                                                   | 86.17                     | AIHA                     | 1.5                  | 5.287E+03              | 5.287E+00              | 5.287E-03             |
| 7783-06-4  | Hydrogen sulfide                                         | 34.08                     | CAMEO                    | 0.0047               | 6.551E+00              | 6.551E-03              | 6.551E-06             |
| 193-39-5   | Indeno[1,2,3-cd]pyrene                                   | 276.33                    | N/A                      | 0                    | 0.000E+00              | 0.000E+00              | 0.000E+00             |
| 67-63-0    | Isopropyl alcohol                                        | 60.11                     | AIHA                     | 1                    | 2.458E+03              | 2.458E+00              | 2.458E-03             |
| 7439-97-6  | Mercury and compounds                                    | 200.59                    | N/A                      | 0                    | 0.000E+00              | 0.000E+00              | 0.000E+00             |
| 74-82-8    | Methane                                                  | 16.04                     | N/A                      | 0                    | 0.000E+00              | 0.000E+00              | 0.000E+00             |
| 108-10-1   | Methyl isobutyl ketone (MIBK, hexone)                    | 100.16                    | AIHA                     | 0.03                 | 1.229E+02              | 1.229E-01              | 1.229E-04             |
| 74-93-1    | Methyl mercaptan                                         | 48.11                     | CAMEO                    | 0.0021               | 4.132E+00              | 4.132E-03              | 4.132E-06             |
| 91-20-3    | Naphthalene                                              | 128.19                    | AIHA                     | 0.0013               | 6.816E+00              | 6.816E-03              | 6.816E-06             |
| N/A        | NMOC                                                     | N/A                       | N/A                      | 0                    | 0.000E+00              | 0.000E+00              | 0.000E+00             |
| 10102-44-0 | NOx (as NO2)                                             | 46.01                     | CAMEO                    | 1                    | 1.882E+03              | 1.882E+00              | 1.882E-03             |
| 106-46-7   | p-Dichlorobenzene (1,4-dichlorobenzene)                  | 147.02                    | AIHA                     | 0.121                | 7.276E+02              | 7.276E-01              | 7.276E-04             |
| 109-66-0   | Pentane                                                  | 72.15                     | AIHA                     | 1.29                 | 3.807E+03              | 3.807E+00              | 3.807E-03             |
| 85-01-8    | Phenanthrene                                             | 178.23                    | N/A                      | 0                    | 0.000E+00              | 0.000E+00              | 0.000E+00             |
| N/A        | PM                                                       | N/A                       | N/A                      | 0                    | 0.000E+00              | 0.000E+00              | 0.000E+00             |
| N/A        | PM10                                                     | N/A                       | N/A                      | 0                    | 0.000E+00              | 0.000E+00              | 0.000E+00             |
| 74-98-6    | Propane                                                  | 44.10                     | AIHA                     | 1497                 | 2.700E+06              | 2.700E+03              | 2.700E+00             |
| 7446-09-5  | Sulfur dioxide                                           | 64.06                     | AIHA                     | 0.33                 | 8.646E+02              | 8.646E-01              | 8.646E-04             |
| 127-18-4   | Tetrachloroethene (perchloroethylene)                    | 165.83                    | AIHA                     | 0.767                | 5.202E+03              | 5.202E+00              | 5.202E-03             |
| 108-88-3   | Toluene                                                  | 92.15                     | AIHA                     | 0.026                | 9.799E+01              | 9.799E-02              | 9.799E-05             |
| N/A        | Total landfill gas                                       | N/A                       | N/A                      | 0                    | 0.000E+00              | 0.000E+00              | 0.000E+00             |
| 156-60-5   | trans-1,2-Dichloroethene                                 | 96.94                     | AIHA                     | 277                  | 1.098E+06              | 1.098E+03              | 1.098E+00             |
| 79-01-6    | Trichloroethene (TCE, trichloroethylene)                 | 131.40                    | AIHA                     | 0.5                  | 2.687E+03              | 2.687E+00              | 2.687E-03             |
| 75-69-4    | Trichlorofluoromethane (Freon 11)                        | 137.37                    | AIHA                     | 5                    | 2.809E+04              | 2.809E+01              | 2.809E-02             |
| 75-01-4    | Vinyl chloride                                           | 62.50                     | AIHA                     | 203                  | 5.189E+05              | 5.189E+02              | 5.189E-01             |
| 75-35-4    | Vinylidene chloride                                      | 96.95                     | AIHA                     | 50                   | 1.983E+05              | 1.983E+02              | 1.983E-01             |
| N/A        | VOC                                                      | N/A                       | N/A                      | 0                    | 0.000E+00              | 0.000E+00              | 0.000E+00             |
| 1330-20-7  | Xylene (mixture), including m-xylene, o-xylene, p-xylene | 106.16                    | AIHA                     | 0.012                | 5.210E+01              | 5.210E-02              | 5.210E-05             |

N/A = not applicable