

## Bristol Landfill Facility Update

2:00 PM 04-26-21

**Attendees:** **DEQ:** Crystal Bazyk, Dan Manweiler, Dan Scott, Stacy Bowers, John Surber,  
**City of Bristol:** Randy Eads, Wallace McCulloch, Sam Hess, **Draper Aden Associates:** Ernie Hoch, Don Marickovich, Anthony Tomlin

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### Weekly Review of Actions

#### 1. Landfill:

- a. Daily monitor the SE Chimney with GEM and Hydrogen meter
- b. Monitor temperatures on wells 46 & 47.
- c. Daily monitor well 48: GEM, Hydrogen, and temperature.
- d. Provide results of air samples from all North and South end cleanouts.
- e. Continue to apply additional cover.
- f. Respond to citizen complaints.
  - i. Odor Management Plan
  - ii. Odor Complaint Response Plan

#### 2. Draper:

- a. Waiting results of Leachate and Gradient, water (ammonia), air grab sample
- b. Recording data from samples taken by the City to determine the source of high CO.
  - i. Reviewing daily results
  - ii. Waiting on air sample taken
- c. Verifying Leachate and Gradient flow volumes
- d. Odor Management Plan, Pending DEQ acceptance
- e. Odor Complaint Response Plan, Pending DEQ acceptance
  - i. Waiting on the results of monthly 24-hour sample taken last week
- f. Wet Well: Identify needs with the City.
  - i. Working to set up advanced camera imaging. (estimated timing 2-3 weeks)
- g. Wastewater System Odor Sampling (estimated timing next week)
  - i. With separate flows (leachate & gradient) test the air with Gem monitor and summa grab sample at three locations. Landfill Manhole, Manhole at State line, at a Manhole location TBD inside TN near the area of complaints.
    1. Gradient Air Sampling Plan
    2. Leachate Air Sampling Plan
- h. Review 2020 Air reports
- i. Monitoring Facebook and Smell My City App
  - i. Mapping complaints with weather and location data
- j. Review BVU NOV

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### 3. SCS:

- a. **Week 1) 4-26-21:** Tuesday and possibly Wednesday, trouble shoot newly installed system and pumps with a goal of having the system operational next week.
  - i. Tune well field and ensure all viable wells are operations.
  - ii. Confirm well field labeling and viability (attachment)
    1. Determine if underperforming existing wells are recoverable (water level test)
  - iii. Check south end cleanout connections.
  - iv. Recommend placement of new wells / horizontal collectors.
    1. Optimum amount
    2. Minimum amount
    3. Survival plan in coordination with landfill filling plan
  - v. Work with the City on the north end clean out connections (Planning) (completed 1-2 weeks)
    1. Add sample ports to each of the lines (10)
    2. The City will have the parts next Wednesday and will attempt to complete the work in house. If not completed the City may request help during week 2 visit
  - vi. Compare flow rates to Ingenco Arrival / Departure
- b. **Week 2) 5-3-21:** Should it be necessary to relocate the leachate collection tank and install a third pump than that work will be scheduled for the following week.
  - i. Complete system repairs if needed subject to Weeks 1 results.
- c. **Week 3) 5-10-21:** Trouble shoot the south end clean out and landfill 221 system for flow and possible air infiltration.
  - i. If week 1 completes work than this task will move to week 2