

N2688
AHLF
Manila

DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION
ACTIVITY REPORT: Odor Evaluation

N268843131

| | | |
|---|-----------------------------------|---------------------------|
| FACILITY: Advanced Disposal Services Arbor Hills Landfill Inc | | SRN / ID: N2688 |
| LOCATION: 10690 W. SIX MILE RD, NORTHVILLE | | DISTRICT: Jackson |
| CITY: NORTHVILLE | | COUNTY: WASHTENAW |
| CONTACT: Anthony Testa , Site Manager | | ACTIVITY DATE: 01/25/2018 |
| STAFF: Diane Kavanaugh-Vetort | COMPLIANCE STATUS: Non Compliance | SOURCE CLASS: MAJOR |
| SUBJECT: Conducted odor observation in area surrounding facility. Ongoing odor complaint situation. | | |
| RESOLVED COMPLAINTS: | | |

On 1/25/2018, I conducted an odor evaluation in the area surrounding the Arbor Hills Landfill, Washtenaw County. This is an ongoing, periodic, odor complaint situation involving the Arbor Hills Landfill (AHLF) and the surrounding subdivisions primarily to the east (NE and SE) in bordering Wayne County.

Odor observation

I conducted an odor observation in the area surrounding the AHLF, Northville this morning between 8:30 AM and 10:00 AM. I documented a strong, distinct, persistent odor in the residential area of Napier and 7 Mile, approximately 9:25 AM between house # 8660 and the Commercial Center on the 7 Mile corner. This was a downwind location at the time. I describe the odor I detected as landfill garbage type odor primarily but with a sweet component. I returned to the area a second time at 9:40 – 9:46 AM and the odor was still there in the same area but it had decreased in intensity.

Upon my arrival to the area from the direction of Salem on 6 Mile, at 8:30 AM, I observed significant fugitive dust coming across 6 Mile from the AHLF north perimeter road along 6 Mile. I telephoned Anthony, Advanced Disposal Services (ADS) and he addressed it immediately and I did not observe any further dust issue.

While driving past the facility on 6 Mile I observed a low level but distinct garbage odor near the active fill area and a slightly different garbage/gas odor near the offices.

During my time in the area, I observed the East Enclosed Flare, located next to the Fortistar Gas to Energy Plant was operational. I could observe heat waves exiting the exhaust stack on only this flare. I observed the Temporary Open Flare at the NW corner of LF was operational during this time period.

The wind direction appeared to be more out of the South than SW in the immediate area based on observing the ADS flags on corner of Napier/6 Mile. I initially conducted an observation throughout the Steeplechase subdivision driving from 6 Mile to 7 Mile, and from 7 Mile to 6 Mile on various roads stopping at various locations. No odors were detected. I then also conducted additional observations upwind and downwind of AHLF.

One downwind location was 7 Mile and Napier, I drove up/down Napier Road, between 6 and 7 Mile, multiple times. The first time, heading North I got a strong, distinct odor. I determined the odor was from the landfill and was a garbage and/or compost odor, it had a "slightly sweet overtone". It was persistent in a fairly broad area from about House # 8660 all the way to and in/around the Commercial Center at the corner of 7 Mile. In my determination the odor was a Level 3 on the MDEQ-AQD Odor scale. The scale is 1-5, with a 3 being "Distinct and definite objectionable odor". I smelled it initially in my car w/cracked windows. I got out twice in different spots, and the odor was distinct, definite and objectionable. The odor was persistent in the area near the residential homes/ businesses. The odor constituted a violation of Part 55, Act 451, R 336.1901(b) Rule 901.

Later, I again drove through this area before leaving / ending my observation, the odor was still present but had lessened and therefore I did not contact ADS. Upon returning to the office I sent an email to ADS informing them of my observation and requesting follow up information. I also contacted Barr Engineering the consultant conducting twice a day odor patrols.

During the observation I traced the odor back to the AHLF site. As I neared the landfill the primary odor evident was garbage. I drove into the compost entrance and observed rows to the east (about 1/2 or 1/3) were darker / appeared to possibly have been more recently worked with than the west side rows. I did not see any work going on with the compost.

I conducted upwind odor observations at: 5 Mile between Napier & Fortistar Plant and no odors were detected.

Other downwind locations where I conducted odor observations: 6 Mile and Chubb Road, 7 Mile between Chubb and Ridge Roads. No odors were detected.

In summary it seems there were 3 odors observed today. It is noted that it may be possible for odor(s) to combine or change due to distance and dilution. It also is not known whether the odor(s) could be coming from higher up on the hill, from the other active face, or other areas of the landfill.

Email notifications to ADS, DEQ-WMRPD

Upon returning to the Jackson D.O. AQD sent emails to both ADS contacts: Anthony Testa, Bob Walls, Jay Warsinski, and Kelly Rooney, and to our WMRPD co-workers. I requested follow up from ADS with information related to the odors observed, and also the Plant /Flare status. AQD suggested WMRPD staff please conduct odor observations – as soon as possible – wind/weather dependent to determine type of odors observed by AQD this morning.

Call to Steve Crider, Barr Engineering, contract consultant for RKA Odor Patrol.

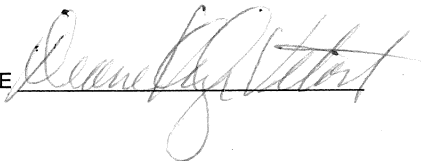
I called Steve, RK odor patrol contact to find out what they observed this morning during the odor patrol. He said Melissa conducted the morning survey and was at the location C-22 @ 7:30 AM and did not get any odor. She did record low level garbage odors at P-4 and P-5. The morning patrol is currently daily from 6 AM to 8 AM. Historically there have been frequent complaints during these times and the LF has an early morning start-up time.

The location where I observed the Rule 901 odor on the Odor Survey Map would correspond to C-22. I also detected lower level garbage odors on 6 Mile, this corresponds to Odor Survey Map P-5.

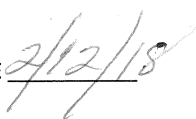
COMPLIANCE SUMMARY

The odor observed constituted a violation of Part 55, Act 451, R 336.1901(b) Rule 901. A Violation Notice will be prepared and sent to ADS.

NAME



DATE



SUPERVISOR

