

DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION
ACTIVITY REPORT: Self Initiated Inspection

U5809022943894

FACILITY: Clean Tech Incorporated		SRN / ID: U58090229
LOCATION: 500 North Dunham, Dundee		DISTRICT: Jackson
CITY: Dundee		COUNTY: MONROE
CONTACT: Jim Kulp, Operations Manager		ACTIVITY DATE: 03/28/2018
STAFF: Zachary Durham	COMPLIANCE STATUS: Compliance	SOURCE CLASS:
SUBJECT: Inspection of the plastic recycling facility that operates equipment that is exempt from requiring a Permit to Install. This inspection was the result of a recent odor complaint.		
RESOLVED COMPLAINTS: C-18-00854		

Contact

Jim Kulp
Clean Tech, Operations Manager
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Craig Robel
Clean Tech, Conversion Manager
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Purpose

This was a self-initiated inspection as a result of a complaint received on 3/26/18. I arrived at the facility located at 500 N. Dunham, Dundee, MI on 3/28/18 at about 2:30pm and met with Jim Kulp and Craig Robel.

Background

This is an unregistered facility that operates plastic processing equipment that is not required to have a Permit to Install (PTI). The plastic recycling operation is exempt from a PTI under rule 286(2)(a). They also have two boilers that meet the criteria in exemption Rule 282(2)(b)(i) as being below 50 MMBtu/hour heat input capacity.

The site was previously inspected in 2014 and 2015 during similar odor complaints.

Compliance Evaluation & Summary

Upon my arrival at the site I parked in the general down wind direction to observe for potential odors. The wind on 3/28/18 was ENE at 5mph, which is in the direction of neighboring houses that are directly SW of the facility. I observed little to no odor at the time.

I went into the plant and met with Jim and Craig. I explained the reason for my visit was due to an odor complaint and requested to see the operations, including the plastic processing areas and water treatment operation. We began the tour by walking through the both the PET and HDPE processes. Some odors were observed near the processes themselves when wastewater was present. Outside, we observed the wastewater treatment portion of the plant, which is located on the northeast corner of the site.

Clean Tech has recently installed a "pool" cover on one of the treatment tanks in an attempt to minimize offsite odors. They also continue to operate a spray mist system that is used to control for odors. The mist system is not utilized during periods when the temperature is at or below freezing. Odor was present when directly adjacent to the treatment tanks. Clean Tech estimates their water use at about 150,000 gallons per day.

After finishing up the tour I met with the complainant, Larry Broosia. We walked along the sidewalk to the west of the facility, directly downwind. Attached is a screenshot of the weather in Dundee at 3:32pm. The same ENE wind at 5pmh was present. Larry and I agreed that little to no odor was present at the time of my visit despite the wind being favorable for potential offsite odors.

Compliance Determination

I have determined that Clean Tech is in compliance with air rules and regulations at the time of this inspection.

Recommendations

Routine odor observations should continue in the area as warmer weather approaches. Complaints will continue to be logged as they are received. Weather patterns that suggest winds out of the NE are more likely to impact neighboring houses.



Image 1(Dundee weather) : Screen shot of weather in Dundee, MI on 3/28/18 at 3:32pm.

NAME *Fach Durbin*

DATE 4/16/18

SUPERVISOR *[Signature]*