

DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION
ACTIVITY REPORT: Scheduled Inspection

A069747606

FACILITY: Fryman's Recycling		SRN / ID: A0697
LOCATION: 300 E Railroad Street, DOWAGIAC		DISTRICT: Kalamazoo
CITY: DOWAGIAC		COUNTY: CASS
CONTACT: Jerry Fryman ,		ACTIVITY DATE: 01/15/2019
STAFF: Amanda Chapel	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT:		
RESOLVED COMPLAINTS:		

On January 15, 2019, AQD's Amanda Chapel (staff) conducted an unannounced air quality inspection of Fryman's Recycling located in Dowagiac, Cass County Michigan. The purpose of the inspection was to determine the facility's compliance with all applicable state and federal air regulations. As of the last inspection, the facility was operating under air quality exemptions. The following will summarize plant operations and facility's compliance status.

The facility is an exempt source and not subject to any MACTs or NESHAPs. It is located within the city of Dowagiac with residential areas to the north and east of the facility. There have been multiple odor complaints about the facility, typically stemming from strong odors in the residential area. These complaints are usually received in the spring/summer, around when the carbon filter is close to being changed.

I arrived at the facility at about 1:15 pm. I drove around the facility, before entering, to see if there were any odors. None were detected. The sky was overcast and the winds were about 5 miles per hour from the SSW. I entered the facility and spoke to the woman at the front desk and stated I was there to complete an unannounced air quality inspection and was looking for Mr. Jerry Fryman. She said Mr. Fryman wasn't in at the time but Mr. Scott Hojara would be able to show me around. She went to the back and when she returned, she let me know that Mr. Hojara was currently unloading but he would be up front in about 5-10 minutes.

Mr. Hojara came to the front and I offered him a card and told him I was there to complete an unannounced air quality inspection. I explained that we need to walk around the facility, observe the grinders, shredders, pulverizers, and associated air control devices. Mr. Fryman joined us at this point. I explained that I was there for an unannounced air quality inspection. He asked if the inspection was initiated because of a complaint and I told him no. I asked if they had added or removed any of the equipment from the previous inspection (5 grinders, 1 shredder, and 3 pulverizers). Mr. Hojara let me know that they installed a fourth grinder in the spring of 2017.

We started the tour of the facility at the grinder area. The basic process at the facility is that waste PVC, vinyl siding, and other materials are collected and stored on site. The waste is then shredded, pulverized, and then sold as recycled plastic for various products.

There were four grinders in operation during the inspection. Each of these four grinders are attached to a dedicated Kice dust collector. These emit to the outside air, contain 60 bags each, and are equipped with magnahelic gauges that are checked weekly. The other two grinders and one shredder are also located in this room. Grinder 28B and 50B each have a dedicated cyclone which vents outside to an elbow down. The shredder is also attached to a cyclone which vents to the outside air.

There are three plastic pulverizes on site as well. The pulverizers take the blended and shredded material and grind it even more finely before the finished product is placed into bags for shipping. This process generates heat between 140-150 degrees. If the operation goes higher, the plastic is in jeopardy of melting. Each pulverizer is attached to a dedicated cyclone. The cycles are attached to a sealed dust room which is routed through the large outside Kise dust collector and then finally through the carbon filter. The grinders, shredder, and pulverizers appear to be operating under the exemption Rule 285(2)(I)(vi)(C).

Mr. Hojara walked around outside the facility. I did not observe any fallout around the property. There was a slight smell around the carbon filter but it was very faint. Mr. Hojara said that the bags on the dust collectors need to be changed about once or twice per year. The large Kise has the filters changed about

once every three years. There is a magnahelic attached to the device to the equipment to show when the filters are starting to become clogged. One of the shredder filters looked like it had come dislodged from the hanging top and Mr. Hojara said this would be fixed ASAP. No particulate was observed coming from the hole and there was no indication in the snow on the ground that particulate was landing on the ground.

Mr. Hojara and I walked around the rest of the building and back to the office. I thanked him for the tour and relayed to Mr. Fryman about the small filter detachment on the shredder filter. I left the facility at about 2:15 pm. There did not appear to be any issues with compliance with the exemptions and facility appears to be in compliance.

NAME: *Amber Ayel*

DATE 1/16/19

SUPERVISOR *RIL*