

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

U8010060937013

FACILITY: GLCC Co.		SRN / ID: U80100609
LOCATION: 39149 Red Arrow Hwy., Paw Paw		DISTRICT: Kalamazoo
CITY: Paw Paw		COUNTY: VAN BUREN
CONTACT: Nicole Charron , Quality Assurance Manager		ACTIVITY DATE: 10/05/2016
STAFF: Amanda Chapel	COMPLIANCE STATUS: Compliance	SOURCE CLASS:
SUBJECT: Air Quality Inspection		
RESOLVED COMPLAINTS:		

On October 5, 2016, AQD's Amanda Chapel (staff), conducted an unannounced inspection of GLCC Co. (facility) located at 39149 Red Arrow Highway in Paw Paw, Van Buren County. The purpose of the inspection was to verify the facility was still operating under exemptions and does not need to obtain a permit to install (PTI).

I arrived at the facility at about 10:25 am. There were no visible emissions or odors detected outside the building. I entered the reception area and spoke with the receptionist stating the purpose of the inspection and asked for the previous contact. The previous contact was no longer employed at the company but the receptionist said that Ms. Nicole Charron, Quality Assurance Manager, could answer my questions and give me a tour.

Ms. Charron met me in the reception area and brought me back into the office area. I gave her a card and inspection brochure, presented my credentials, and stated the purpose of my visit was to conduct an air inspection of the facility to ensure they were continuing to operate under the permit exemptions. Ms. Charron said the facility employs about 15 people and they operate one shift five days a week, Monday to Friday. The facility opened at the Paw Paw location in 2000. I stated that I would like to take a tour of the facility and then review any records for the ethanol used at the facility.

Ms. Charron took me back to the door leading to the productions area. Here we washed our hands and put on hairnets to maintain hygienic conditions. In the production area she showed me the chemical storage area and the flammable liquid storage room. This room contains the ethanol at the facility which is stored in 54 or 55 gallon drums on elevated platforms. Additionally, liquid food flavorings are stored on shelves in gallon jugs. These are labeled with the contents and date it was produced.

The ethanol is used as a mixing agent for various flavorings. The drum access hole is opened and a wand is inserted into the drum. This wand is connected to a hose which deposits the ethanol into an uncovered bucket or another covered 55 gallon drum. Flavorings are added along with propylene glycol and other chemicals to make a water soluble product. These ingredients are mixed together in the drum or bucket, tested, and sealed. The product is then shipped in these containers to the purchaser. Ms. Charron said that about 20% of their products are made by this process. This process is exempt under Rule 284(l).

We proceeded next to the liquid processing room. This room has multiple stainless steel mixing tanks of various capacity. The liquid flavors are mixed in these tanks. No equipment vents to the outside. Next we observed the dry mixing area. This area also contains various stainless steel mixing tanks. There is a hood that contains a dryer which is used to remove moisture from the dry ingredients. This hood is vented outside. Ms. Charron said there is another dryer located in the R&D lab which does not vent outside. Both of these dryers are used exclusively for R&D purposes. These dryers are exempt under Rule 283(2)(c).

The facility does not have any emergency generators or cold cleaners on site. There is one boiler on site. Two 90 horsepower (h.p.) boilers were removed in July – August 2016. A new 60 h.p. (2,000,000 Btu/hr) boiler was installed June 19, 2015. Another 50 h.p. boiler will be installed before the end of the year to serve as a backup. These are exempt under Rule 282(b)(i). The caramel ovens which were present at the last inspection have also been removed since caramel is no longer made at the facility. The facility also encapsulates some flavor materials using an electric vacuum filter process. This process uses a modest vacuum and heat to dry the product and encapsulate the particulates which have been precipitated from a solution. No ethanol is used in this process. This process is exempt under Rule 281(e).

We entered the reception area and I requested to see the purchase records for the ethanol used at the facility. Based on the records, they facility purchased four 55 gallon drums in December and October of 2015. They also purchased four 54 gallon drums in November and August of 15. The facility appears to purchase four 54 or 55 gallon drums of ethanol about every 4-6 weeks to use in the processes. I thanked Ms. Charron and left the facility at about 11:05am.

It appears that all processes use in this facility are exempt and the facility is in compliance with air quality regulations.

NAME Arielle Cheyell

DATE 10/10/16

SUPERVISOR MD 10/11/2016