

DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION
ACTIVITY REPORT: On-site Inspection

U39220251062914

FACILITY: FlavorSum LLC		SRN / ID: U392202510
LOCATION: 3680 Stadium Park Way, Kalamazoo		DISTRICT: Kalamazoo
CITY: Kalamazoo		COUNTY: KALAMAZOO
CONTACT: Mike Morse , Food Safety Systems Manager		ACTIVITY DATE: 05/18/2022
STAFF: Monica Brothers	COMPLIANCE STATUS: Compliance	SOURCE CLASS:
SUBJECT: Unannounced scheduled inspection		
RESOLVED COMPLAINTS:		

Staff, Monica Brothers, arrived on-site at 10:30 am and met with Mike Morse, the Food Safety Systems Manager at FlavorSum. Upon arrival, no visible emissions were observed. We first went to a conference room where I asked Mike a few preliminary questions. FlavorSum commenced operations at this location in 2018. They moved from the location on Crosstown Parkway, and now that facility is permanently closed. FlavorSum blends compound flavors for various food industries like baking and ice cream. They do not extract their own flavors or create raw flavor components, but simply mix raw materials that they receive from other suppliers. They have one small boiler and an emergency generator. They do not have any parts washers. This facility is currently operating under Rule 290 and does not have a Permit to Install.

Tour:

The facility does mostly liquid blending in 19 mixing vessels and 4 cookers, each under 300 gallons in capacity. They also do some blending of some powdered materials like cocoa powder and cinnamon in the same tanks. Their finished products contain anywhere from 70-95% alcohol, water, and glycol. This is considered the carrier portion of the product, while the actual flavoring is only 5-30% of the final product. They fill containers anywhere from a gallon to 55-gallon drums. They have two propylene glycol tanks, which are each 5,200 gallons in capacity. These tanks are heated electrically.

There is also some exempt equipment at the facility. There is one very small boiler that is used to head jacketed kettles. This is a Lochinvar unit that is considered exempt under Rule 281(2)(b)(i). There is also a natural gas emergency generator. It is a 1.7MMBtu/hr Cummins unit that was manufactured in 2017 and is exempt under Rule 285(2)(g). It has an EPA certification sticker. There is also a small quality control lab with thermal/laser printing for labels, as well as a research and development lab.

Records:

I reviewed the facility's Rule 290 records for the past two years. Their emissions records show that they do not emit any pollutant above 500 lbs/month. They are limited to 20 lb/month for a few pollutants. Their records show that they are consistently under this limit. However, in May 2021, their emissions for Furfural Natural were 20 lbs. This is at the 20 lb/month limit for this pollutant. The facility needs to watch their emissions for Furfural Natural to make sure this limit is not exceeded in the future.

The facility seemed to be in compliance at the time of inspection.

NAME Monica Brothers

DATE 9/15/22

SUPERVISOR *RL* 09/19/22