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

U41180130943542

FACILITY: GR Baking Company		SRN / ID: U411801309
LOCATION: 900 Division Ave S		DISTRICT: Grand Rapids
CITY: Grand Rapids		COUNTY: KENT
CONTACT: Dan Hermen , President		ACTIVITY DATE: 02/15/2018
STAFF: April Lazzaro	COMPLIANCE STATUS: Compliance	SOURCE CLASS:
SUBJECT: Unannounced, self-initiated inspection.		
RESOLVED COMPLAINTS:		

AQD staff, April Lazzaro conducted an unannounced, self-initiated inspection of the GR Baking Company licensed as DPH Enterprises, Incorporated. The President, Dan Hermen met me at the back door, and even though he was currently in the middle of baking, he took me on a brief facility tour.

FACILITY DESCRIPTION

GR Baking Company is a wholesale direct delivery bakery making fresh bread, buns, rolls, muffins, pastries and more.

COMPLIANCE EVALUATION

This facility currently operates one proof box and four ovens. Mr. Hermen was unaware that there are Volatile Organic Compound (VOC) emissions associated with the baking of bread. I briefly explained it and provided him with the department guidance on VOC Emissions at Food Manufacturing Facilities. I also provided him with numbers to calculate the emissions associated with tons of bread produced at the ovens and the proof box. I told Mr. Hermen that the equipment was likely exempt from permitting, but I needed to know how many tons of bread were produced in 2017.

Permit to Install Exemption Rule 282(2)(a)(v) applies to bakery ovens and confection cookers where the products are edible and intended for human consumption. Based on the throughput of bread that Mr. Hermen provided, the emissions of VOC for 2017 was 1,213.4 pounds of VOC. This level of emissions is low enough that a permit is not needed. In this case, the company should be aware that if any significant additions of equipment is made the facility should reevaluate emissions.

Permitting of equipment is based on the potential to emit of emissions. So, each time the company adds equipment, they should estimate emissions based on the maximum amount of bread that could be produced, if it were operated 24/7/365. The maximum tons of bread that could be produced can be multiplied by the EPA factor that was provided to Mr. Hermen, which is 9.74 lb/VOC per ton of bread cooked in the ovens, and 1.30 lb/VOC per ton of bread processed in the proofing oven.

SUMMARY

GR Baking Company is currently exempt from permitting pursuant to Rule 282(2)(a)(v). Continued evaluation of emissions as equipment is added is necessary to maintain compliance.

NAME



DATE

3-8-18

SUPERVISOR

