

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

N714968909

FACILITY: Ice Mountain		SRN / ID: N7149
LOCATION: 19275 Eight Mile Road, STANWOOD		DISTRICT: Grand Rapids
CITY: STANWOOD		COUNTY: MECOSTA
CONTACT: Ismael Rodriguez ,		ACTIVITY DATE: 08/22/2023
STAFF: Scott Evans	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: On site inspection to assess compliance with air quality rules and regulations.		
RESOLVED COMPLAINTS:		

Introduction

On August 22, 2023, State of Michigan Department of Environment, Great Lakes, and Energy Air Quality Division staff member Scott Evans (SE) conducted an on-site inspection of the Ice Mountain facility located at 19275 Eight Mile Rd. in Stanwood, Michigan, to assess compliance with air quality rules and regulations. This facility is a water bottling plant that collects, conditions, and bottles water for consumption in plastic bottles that are manufactured on site. This facility has no currently active permits to install and has historically operated through the use of air permit to install exemptions.

Inspection

Upon arrival at the facility, SE observed no odors or visible emissions at the property exterior. After entering the facility, SE was greeted by Ismael Rodriguez. A brief meeting was held to discuss the purpose of the day's visit, after which a walking inspection of the facility was conducted.

The first part of the process is the collection and conditioning of the water to be bottled. Part of the process includes heating the water through the use of two boilers. These boilers are natural gas-fired and rated under 10 mmBtu, which are exempt from air permitting under Rule 282(2)(i). These boilers are also exempt from NSPS 40 CFR Part 60 Subpart Dc because they are rated under 10 mmBtu. The water is then cooled by multiple anhydrous ammonia refrigeration units. The tank used to store the anhydrous ammonia has a total capacity of 483 gallons. This appears to meet the air permitting exemption Rule 280(2)(a) for anhydrous ammonia tanks under 500 gallons. Cooling towers are used as part of this refrigeration process, which appear to be exempt from air permitting requirements under Rule 282(2)(d).

The water is bottled in plastic bottles that are manufactured on site. These bottles are made through the use of multiple injection molding stations. This equipment appears exempt from air permitting requirements under Rule 286(2)(b). This process begins the molding process, which is then finished with blow molding operations in which the bottles are formed into their final shape. This process also appears exempt from air permitting requirements by Rule 286(2)(c)(i). The bottles are then filled and capped.

The final step is the gluing of labels onto the bottles with the use of hot-melt glue. Glue usage records were provided by the facility and appears to meet the permitting exemption Rule 287(2)(i).

Conclusion

At the conclusion of the inspection the facility appeared to be compliant with all applicable air quality rules and regulations.

NAME Scott Crana

DATE 9/7/2023

SUPERVISOR AKH