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

11020004420			
FACILITY: PLASTIPAK PACKAGING INC		SRN / ID: N3206	
LOCATION: 1351 HIX RD, WESTLAND		DISTRICT: Detroit	
CITY: WESTLAND		COUNTY: WAYNE	
CONTACT: Tom Ozdych, Conversion Manager		ACTIVITY DATE: 04/05/2016	
STAFF: Jill Zimmerman	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR	
SUBJECT: Target Inspection			
RESOLVED COMPLAINTS:		N	

DATE OF INSPECTION	2	April 5, 2016
TIME OF INSPECTION		10:00 am
NAICS CODE	· .	326160
EPA POLLUTANT CLASS		VOC, NOx, and PM
INSPECTED BY		Jill Zimmerman
PERSONNEL PRESENT		Tom Ozdych, Conversion Manager
		Marshall Jenkins, Raw Materials Manager
FACILITY PHONE NUMBER		734-564-2536
FACILITY FAX NUMBER		734-721-4953
EMAIL	1	tozdych@plastipak.com

FACILITY BACKGROUND

Plastipak is a plastic bottle manufacturing facility. The facility operates two different types of plastic molding lines to make different types of bottles. The facility operates two twelve hour shifts a day, seven days a week. The facility is located near a neighborhood along Hix Road, just south of Ford Road.

REQUIRED PPE

N320634423

Before entering the facility, all visitors are required to watch a safety video. Eye protection, hearing protection and steel toed shoes were worn during the onsite inspection.

COMPLAINT/COMPLIANCE HISTORY

An odor complaint was received on March 7, 2013, where the complainant described smelling a plastic odor for the previous two weeks. Odor surveillance was performed in the area surrounding the facility, but the odors were never verified. No additional complaints have been received.

PROCESS EQUIPMENT AND CONTROLS

Raw plastic, which is stored inside the building, is used in one of two molding process lines to make bottles for such uses as milk bottles, soda bottles, water bottles and more. On average, the facility operates about seven lines per day.

Performed bottles for different carbonated beverages are made here. The plastic is put into molds to form a bottle resembling a test tube. These molded bottle forms are then put into a blow mold where the form is heated and compressed air is blown into the bottle to shape it to the desired bottle shape. Then a date from the date coder is printed on the bottle using ink and make-up fluid. One line is capable of etching the date onto the bottle using a laser instead of ink.

Bottles with a handle, such as a milk jug or a laundry soap bottle, are molded in an extrusion line. This is a less costly process as the bottle is formed in one step instead of two. These

bottle also pass through the date coder line so that the used by date can be added to the bottle.

Larger bottles, such as a five gallon water bottle, can have identification label silkscreened onto the bottle. Here the ink is spread onto the bottle in a silkscreen process similar to the silkscreen process used on clothing.

INSPECTION NARRATIVE

No odors were detected outside of the facility was I began my inspection. When I entered the facility, I watched a safety video. Next I met with Mr. Marshall Jenkins, Raw Materials Manager, and Mr. Tom Ozdych, conversion manager to discuss the process and the records that were being kept at the facility. We also discussed the equipment that reports emissions in MAERS. During this meeting, purchase records were reviewed to verify the coating usage for both the date coding line and the silkscreen line.

After reviewing the records, and discussing the different process lines, we walked through the facility. As we walked through the facility, preform bottles were being molded on one machine. The silkscreening process was printing a logo on a five gallon water bottle.

APPLICABLE RULES/PERMIT CONDITIONS

The equipment operating at this facility is exempt from permitting.

EUDATECODING – This equipment is used to print the used by date on the plastic bottles. The throughput on this equipment for 2015 was 674.5 gallons of coating. The monthly records were reviewed during the onsite inspection, and the usage amounts of the coating were less than 200 gallons of coating per month. This equipment is exempt from permitting by Rule 287 (c).

EUHDPE – This plastic mold injection equipment is used to mold plastic bottles. This equipment is exempt from permitting by Rule 285 (r)(iv).

EUNATURALGAS – This group of equipment includes nine resin dryers, seasonal space heaters, and water heaters. This equipment is exempt from permitting by Rule 282 (b)(i).

EUPET – This is eleven pet injection molding units and nine blow molding units. This equipment is exempt from permitting by Rule 286(b).

EUSCREENPRINT – This equipment is a screen print operation used on plastic bottles. The throughput of coating in this equipment was 65.25 gallons during 2015. This equipment is exempt from permitting by Rule 287 (c).

MAERS REPORT REVIEW

This report was received on March 12, 2016. The report was received on time. All of the emissions were reviewed and appear to have been reported accurately. Additional emission information was attached to this report. EUDATECODING listed Rule 290 as the reason for being exempted from permitting. After reviewing the records during the onsite inspection, it appears that the facility could meet Rule 287 (c) exemption. This change was made.

FINAL COMPLIANCE DETERMINATION

Plastipak Packaging Inc. appears to be operating in compliance with all state and federal regulations. The records reviewed during the onsite inspection as well as the information submitted with MAERS, show that the facility appears to be operating in compliance.

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NAME JOCZimmerman

DATE 5/3/16