

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

P057833382

FACILITY: Caribbean Pool & Fiberglass Products, Inc.		SRN / ID: P0578
LOCATION: 300 Lincoln Lake Avenue SE, LOWELL		DISTRICT: Grand Rapids
CITY: LOWELL		COUNTY: KENT
CONTACT: Dan Greenway , Owner		ACTIVITY DATE: 02/10/2016
STAFF: Denise Plafcan	COMPLIANCE STATUS: Compliance	SOURCE CLASS: SM OPT OUT
SUBJECT: First compliance inspection following the issuance of Opt-out PTI 197-14		
RESOLVED COMPLAINTS:		

**Dan Greenway – Owner Caribbean Pool & Fiberglass Products
616-897-7719**

PPE – Safety Glasses, Closed toe shoes/boots

Denise Plafcan (DP) conducted an unannounced scheduled inspection to determine compliance with state and federal Air Quality rules and regulations and Opt-out PTI No. 197-14. DP met with Dan Greenway, owner, and provided a copy of the Environmental Inspection brochure.

DP drove around the area prior to entering the property and the facility. There were no odors, fugitive emissions or opacity noted from the facility. However, there was a slight styrene odor inside the front door and the odor was evident in the plant.

FACILITY DESCRIPTION

Caribbean Pool and Spa has not made any pools or spas for 10 years; some of the molds have been converted into storage rooms with doors. They do make fiberglass stacks, tubes or cylinders and miscellaneous structures for large fan housings and piping. Production is down and there are 3 employees working one shift 5 days a week. The fiberglass operations are mainly hand lay-up but some pieces are done with a chopper gun. All operations are in one large open space with no stacks but they do have 2 large (~3foot square) ventilation fans at the east end of the building to draw the odors from the room. Dan said they seldom use the fans. The employees were on break during the inspection but odors in the room were evident. Dan is now working with thermoplastics that are purchased and then shaped on site.

REGULATORY OVERVIEW

All fiberglass operations are subject to Opt-out PTI No. 197-14

Thermoform plastic shaping and grinding are exempt from the requirements of Rule 201 by Rule 285(I) (vi)(B)

COMPLIANCE EVALUATION

No testing or sampling were required as part of this compliance evaluation, the facility does not have any stacks. Records were not being maintained on site but were submitted within one week of the inspection, see attached.

EMISSION UNIT SUMMARY TABLE

EUHANDLAYUP - Manual, non-atomized, open-molding hand layup for the production of thermoset resin-based piping, storage tanks, and custom designed process equipment.

EUWETOUT - Mechanical, atomized, open-molding spray layup for the production of thermoset resin-

based piping, storage tanks, and custom designed process equipment
EUFLOWCOATER - Mechanical, non-atomized, open-molding layup for the production of thermoset resin-based piping, storage tanks, and custom designed process equipment.
EUCHOPPER- Mechanical, atomized, open-molding chopper for the production of thermoset resin-based piping, storage tanks, and custom designed process equipment.

SUMMARY TABLES for two flexible groups

FGLAMINATRM

Manual and Mechanical open-molding lines for the production of thermoset resin-based piping, storage tanks, and custom designed process equipment. Including EUHANDLAYUP, EUWETOUT, EUFLOWCOATER, EUCHOPPER.

EMISSION LIMITS

VOC 6 tpy - Highest month was February 2015 at 3.47 tons
Styrene 800 lb/month - Highest month was February 2015 at 347.82 pounds
Acetone 10 tpy used 9,107 lbs (4.5 tons) of Acetone in 2015.

MATERIAL LIMITS

The styrene content of any resin used in FGLAMINATRM shall not exceed 50 percent by weight. (Worst Case: Ashland Data Sheet <43.96%)
The styrene content of any gelcoat used in FGLAMINATRM shall not exceed 33 percent by weight (Worst Case: Polycor Gray 32%).
The methyl methacrylate (MMA) content of any gelcoat used in FGLAMINATRM shall not exceed 5.0 percent by weight. (Worst Case: Polycor White 4.9%)

FGFACILITY EMISSION LIMITS

Aggregate HAPs Less than 6 tpy - Highest month was February 2015 at 3.47 tons VOC

Based on the physical inspection and the records provided the facility appears to be in compliance with state and federal Air Quality rules and regulations and Opt-out PTI No. 197-14

NAME 

DATE 6.17.16

SUPERVISOR PAB