

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

N809748339

FACILITY: MICHIGAN PRESTAIN		SRN / ID: N8097
LOCATION: 3903 ROGER B CHAFFEE MEMORIAL DR, WYOMING		DISTRICT: Grand Rapids
CITY: WYOMING		COUNTY: KENT
CONTACT: John Chivas , Production Supervisor		ACTIVITY DATE: 03/18/2019
STAFF: April Lazzaro	COMPLIANCE STATUS: Compliance	SOURCE CLASS: SM OPT OUT
SUBJECT: Unannounced, scheduled inspection.		
RESOLVED COMPLAINTS:		

Staff, April Lazzaro arrived at the facility to conduct an unannounced, scheduled inspection and met with John Chivas, Production Supervisor. Mr. Chivas and I briefly discussed the purpose of the inspection and proceeded to take a facility tour.

#### FACILITY DESCRIPTION

Michigan Prestain is a wood siding and shingle coating facility that operates pursuant to General Permit to Install (PTI) No. 58-09, for one coating line used to coat exterior siding and interior pine and cedar, which was modified in December 2017 to include an additional similarly functioning spray line and Opt-out PTI No. 173-17 which limits Hazardous Air Pollutants (HAP) below minor source thresholds. Additionally, there are five (5) additional coating applicators that are exempt pursuant to Rule 287(2)(c).

#### COMPLIANCE EVALUATION

General PTI No. 58-09

#### FG-COATING

This flexible group includes Flatline 1 and 2 and limits emissions of Volatile Organic Compounds (VOC) to 2,000 lbs per month and 10 tons per 12-month rolling time period. Both lines utilize water-based coatings and use water for cleanup. All the water used for cleanup is placed into totes, and a waste water hauler comes weekly to empty the totes for proper disposal. Each spray booth is equipped with one spray applicator and proper filtration which consists of two sets of filters. The outer filters are replaced approximately every 2-3 hours and the inner filters are replaced daily.

The coating mix room utilizes a computerized dispensing system that helps Mr. Chivas track usage which he puts into a spreadsheet. The highest amount of monthly emissions for Flatline 1 in the past 12 -months was February of 2019 at 339.57 pounds of emissions. The highest amount recorded for Flatline 2 since installation was August 2018 at 356.73 pounds. The highest 12-month rolling total for Flatline 1 was the period ending October 2016 at 1.87 tons. The most recent 12-month rolling total ending in February 2019 is 1.34 tons. Flatline 2 has not been in operation for 12-months and as such there isn't a rolling total yet. Values in the spreadsheet indicate compliance with the emission limits.

An evaluation of the process/operational restrictions, design/equipment parameters and monitoring/recordkeeping for Flatline 1 and Flatline 2 indicates compliance. (see attached)

#### FG-SOURCE

This flexible group applies to all coating lines and associated purge and clean-up operations at the stationary source, including exempt equipment. VOC emissions are limited to 30 tons per 12-month rolling time period. Reported facility-wide 12-month rolling total emissions ending in February 2019 is 3.48 tons. Values in the spreadsheet indicate compliance. (see attached)

#### Rule 287(2)(c)

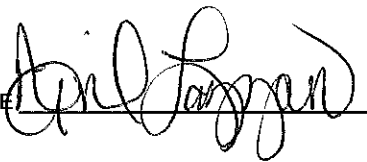
Shingle line 1-3, the Stainline and the Vacuum coater all utilize the Rule 287(2)(c) exemption. Values in the spreadsheet indicate compliance with the 200 gallon per month minus water requirement of the exemption. (see attached)

**Opt-out PTI No. 173-17**

**This permit limits each individual HAP to 8.9 tons per 12-month rolling time period. The highest reported HAP is ethylene glycol at 0.23 tons for the 12-month rolling time period ending in February 2019. Aggregate HAP are limited to 22.4 tons per 12-month rolling time period. The total reported HAP emissions for the 12-month time period ending in February 2019 are 0.61 tons. Values in the spreadsheet indicate compliance with the permit requirements, including the gallons and pounds of each HAP containing material utilized on a per line basis. (see attached)**

**SUMMARY**

**Michigan PreStain was in compliance at the time of the inspection.**

NAME 

DATE 4-8-19

SUPERVISOR 