

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

N820453296

FACILITY: BOLD COMPANIES		SRN / ID: N8204
LOCATION: 2291 OLTHOFF DR AND 2086 SHERMAN, MUSKEGON		DISTRICT: Grand Rapids
CITY: MUSKEGON		COUNTY: MUSKEGON
CONTACT: Mitch Derouin , QE/ME/CI Engineer		ACTIVITY DATE: 03/05/2020
STAFF: Scott Evans	COMPLIANCE STATUS: Compliance	SOURCE CLASS: SM OPT OUT
SUBJECT: Scheduled, unannounced inspection to assess air quality regulation compliance.		
RESOLVED COMPLAINTS:		

On Thursday, March 5, 2020, Air Quality Division inspector Scott Evans (SE) conducted an unannounced, scheduled inspection of the Bold Companies' facility located in Muskegon, Michigan. Upon arrival at approximately 9:45 AM, there was no sign of visible emissions from the facility and there were no noticeable odors in the area. Inside the facility SE was greeted by QE/ME/CI Engineer Mitch Derouin (MD) and Maintenance Manager James Nickle (JN). After introductions, a visual inspection of the facility was conducted, during which the main working floor, storage rooms, and paint room were all observed. Records were quickly reviewed for completeness at the end of the inspection and a copy was sent to SE on March 12, 2020, for more detailed review.

This facility has opt-out Permit to Install (PTI) No. 380-08 that limits source-wide emissions of Hazardous Air Pollutants (HAPs) and Volatile Organic Compounds (VOCs) to below Title V permit thresholds. The facility produces customizable wooden furniture and the process includes many cutting, sanding, gluing, and detailing stations that can be used to meet custom specifications to meet client needs. Within the facility are various filtration systems, including fabric filters and small baghouses to capture loose sawdust before venting the air into the internal facility environment. These are exempt from air permitting requirements under Rule 285(2)(f). There are three coating booths for coating of the wood furniture with paint, stain, or adhesive as needed. During the inspection it was confirmed that there are no boilers or emergency generators on site.

PTI No. 380-08

This permit includes five emission units labeled as follows: EUBOOTH1, EUBOOTH2, EUBOOTH3, EUSANDROOM, and EUSPACEHEATING. All emission units are covered under one flexible group: FGFACILITY.

The PTI has three source-wide emission limits for all equipment at the facility:

- Individual HAPs limited to less than 5.0 tpy per 12-month rolling time period as determined at the end of each calendar month
- Aggregate HAPs limited to less than 12.5 tpy per 12-month rolling time period as determined at the end of each calendar month
- VOCs limited to 24.0 tpy per 12-month rolling time period as determined at the end of each calendar month

The provided records for the period from January 2019 to December 2019 demonstrate the following emissions. All results reflect 12-month rolling time period calculations.

- Highest individual HAP (Toluene) = 1.88 tpy
- Highest aggregate HAP total = 3.41 tpy
- Highest VOC total = 8.02 tpy

Results were all calculated using manufacturer formulation data to conduct emissions calculations, as approved in the Testing/Sampling portion of PTI No. 380-08. These records demonstrate that the permitted emission limits are being met by the facility. Included in the records were extensive tables outlining material usage as well as manufacturer formulation data for HAP and VOC content of each material, as required by the permit. The facility houses no boilers and all present equipment is electric. There are no cold cleaners on site.

During the inspection it was confirmed that all material and waste containers were properly sealed as required by PTI No. 380-08. It was also confirmed that all in-use paint booths had proper fabric filters installed (changed daily) and all in-use sanders were connected to functioning filter systems (vented internally).

During the inspection it was confirmed that all spray booth exhaust stacks (SVBOOTH1, SVBOOTH2, and SVBOOTH3) are the original stacks installed and that no modifications have been made.

Conclusions

Based on the inspection, it appears the facility is compliant with PTI No. 380-08 and applicable air quality rules and regulations.

NAME [Signature]

DATE 4/20/2020 SUPERVISOR [Signature]