

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

N498924441

FACILITY: THE L J GASCHO FURNITURE CO		SRN / ID: N4989
LOCATION: 8308 HAIST RD, PIGEON		DISTRICT: Saginaw Bay
CITY: PIGEON		COUNTY: HURON
CONTACT: Nick Johnson , Plant Manager		ACTIVITY DATE: 03/06/2014
STAFF: Gina McCann	COMPLIANCE STATUS: Compliance	SOURCE CLASS: SM OPT OUT
SUBJECT:		
RESOLVED COMPLAINTS:		

I met with Nick Johnson, plant manager, for The L.J. Gascho Furniture Company (Gascho Furniture) on March 6<sup>th</sup>, 2014 at 10:30 a.m. for a self-initiated inspection. Nick provided records for review and a tour of the facility. The facility received a new SM OPT OUT permit which increased the material usage limits for catalyst. The facility was found to be in compliance with SM OPT OUT permit 135-00A at the time of inspection.

Lyle Gascho started the company in the late 1980's and expanded when Art Van picked up their products. They supply Art Van Furniture and a few other retailers throughout the Midwest. The Gasho family still owns the facility, but the next generation of Gascho's is now leading the business. Gascho Furniture builds and finishes mainly dining room tables and chairs, but also custom-made pieces such as, curio cabinets and cocktail tables. They recently picked up a new account for bedroom groups and business has steadily been increasing business. The facility is currently working through implementing a lean approach to their manufacturing and was excited to share their ideas. At the time of this inspection the facility was operating with approximately 70 employees on two shifts.

Gascho Furniture was issued an SM opt out permit (135-00A) from AQD in 2014. The permit contains FG-WOODFINISHING which includes the following emission units, EU-STAIN1, EU-STAIN 4, EU-COATINGS2, EU-COATINGS5, and EU-SOLVENTS, FG-WOODFINISHING, and FG-FACILITY.

#### Compliance Determination

1. I confirmed that the total VOC emissions rate from FG-WOODFINISHING was 4.67 tons per year (TPY) and is below permit conditions stating not to exceed 350 pounds per calendar day nor 64 tons per year.
2. I checked that dry filters were installed and they appeared to be working properly for all of the units during the time of inspection.
3. The material usage records in the table below are for the 12-month rolling time period between February 2013 and January 2014 for the coatings listed. The facility was below usage limits for all coatings and in compliance with this permit condition at the time of inspection.

Coating Description	Material Usage Limit (gallons)	January 2014 (gallons) 12-month rolling
Stains	11,250	6,029
Sealers	13,000	4,299
Topcoats	11,000	4,393
Catalyst	1,500	594
Solvents/thinners/purge/cleanup	1,500	512

4. The hazardous air pollutants (HAPs) emissions for the 12-month rolling time period ending January 2014 were less than 9 tons for any individual HAP with the highest emissions at 0.37 TPY for CAS # 108883 (Toluene). For 2014 emissions for any combination of HAPs were below the threshold of 22.5 TPY with the highest value at 1.48 TPY for the 12-month rolling time period ending January 2014.
5. This condition has specs regarding stacks and spray equipment. Stacks have not been modified since installed and continue to meet these conditions. Additionally, the spray equipment being used was HVLP as required.

6. During the inspection I observed all purge/flush solvents and coatings from all of the coating applicators used for FG\_WOODFINISHING were captured and stored in closed containers and being disposed of properly.
7. Monthly records for gallons (with water) of each coating, sealer, stain, glaze, shade, bleach or other material used were kept and VOC content was also calculated. I did not write down values but observed it during the inspection.
8. Monthly records for gallons used and reclaimed of each HAP containing material were kept and emission calculations were determined monthly for individual and aggregate HAP emissions.
9. MSDS sheets were kept on file for all materials and were available upon request. The facility sent updated MSDS to the agency in 2013.

The company was in compliance with its permit at the time of inspection. All records were kept for the previous 5 years.

NAME Shia L. McCann DATE 3/7/2014 SUPERVISOR C. Rose