

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

N750129276

FACILITY: KINDEL FURNITURE COMPANY		SRN / ID: N7501
LOCATION: 4047 EASTERN AVENUE SE, WYOMING		DISTRICT: Grand Rapids
CITY: WYOMING		COUNTY: KENT
CONTACT: Denny Patterson , Vice President		ACTIVITY DATE: 04/29/2015
STAFF: David Morgan	COMPLIANCE STATUS: Compliance	SOURCE CLASS: SM OPT OUT
SUBJECT:		
RESOLVED COMPLAINTS:		

At 9:30 AM on April 29, 2015, Air Quality Division (AQD) staff Dave Morgan and Kaitlyn Devries conducted an unannounced scheduled inspection of the Kindel Company located at 7040 Eastern Avenue in Wyoming. The purpose of the inspection was to determine the facility's compliance with state and federal air pollution regulations as well as PTI No. 185-05D. Accompanying AQD staff on the inspection was Chuck Zuidema, Finishing Manager. Jane Collier, Purchasing Director and Denny Patterson, Vice-President also provided assistance.

FACILITY DESCRIPTION

The Kindel Company is a manufacturer of custom furniture. The facility consists of various sawing, sanding, buffing, routing, finishing, and assembly operations. PTI No. 185-05D limits the facility's potential to emit of VOC and HAPs. All finishing booths are now exempt under Rule 287(c).

COMPLIANCE EVALUATION

Coating Operations:

The company has six coating booths (EUSTAIN1, EUSTAIN2, EUSTAIN3, EUSTAIN4, EUSTAIN7, and EUSTAIN8), located in a separate finishing room, that are exempt from permitting under Rule 287(c). There is one separate booth, the former "Hang Line" (EUSTAIN5) located outside of the finishing room which is installed but no longer used and was clearly being used for storage. The six active coating booths are used for lacquering, staining, and sealing. Filters were installed on all the booths. There was a gap on the Booth 1 filter. Mr. Zuidema was made aware that the filter needed to be maintained and actions were taken to fix the filter while AQD staff was onsite. According to Mr. Zuidema, the filters are changed at least once per week or more often if indicated by the booth manometer. Staff verified the use of high volume low pressure (HVLP) guns (Kremlin MVX) on the booths. These guns help to minimize emissions but are not required by the permit or the exemption.

Records:

The company is maintaining coating usage as well as 12-month rolling HAP emission records. Records show that for the 12-month period from April 2014 through March 2015 the highest monthly usage for all booths combined was 172 gallons (in March 2015) which is well below the 200 gallon per month per booth limit in Rule 287(c). In addition total HAP emissions for the same time period were 4.2 tons which is well below the 22.5 ton limit in the permit.

Woodworking Operations:

Woodworking equipment at the facility (consisting of saws, routers, planers, buffers, sanders, etc) are vented either through a Dantherm baghouse (with a rated exhaust capacity of 50,000cfm) or through portable dust collection systems at the individual workstation. The baghouse and internal dust collection systems are exempt under Rule 285(l). Previously, the company provided documentation which shows the potential to emit for particulate is below major source thresholds. Collected material is conveyed to one of two roll-off containers. Airflow from the baghouse is exhausted back into the building during the winter and outdoors during the summer. No visible emissions were observed from the unit.

The baghouse appeared to be well maintained, however, a large amount of sawdust was underneath the ductwork heading to the collection container. According to Mr. Zuidema the excess sawdust occurred in the winter due to the container hauler pulling the flexible duct off the container as he pulled away. In addition, the hauler did not switch the collection system over to the second container which resulted in dust from the baghouse on the ground. Mr. Zuidema and Mr. Patterson were advised to have the material cleaned up. Under Rule 370, collection and disposal of air contaminants is to be performed in a manner which minimizes the introduction of contaminants to the outer air. Ms. Collier indicated on May 6th that the sawdust had been cleaned up.

SUMMARY

Kindel appears to be in compliance with all applicable requirements. Records obtained during the inspection are attached.

NAME *[Signature]*

DATE 5/12/15

SUPERVISOR *PAB*