

DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION
ACTIVITY REPORT: On-site Inspection

A592659684

FACILITY: PROGRESSIVE SURFACE		SRN / ID: A5926
LOCATION: 4695 DANVERS DR SE, KENTWOOD		DISTRICT: Grand Rapids
CITY: KENTWOOD		COUNTY: KENT
CONTACT: Cindy Nelson , Controller/HR Manager		ACTIVITY DATE: 08/31/2021
STAFF: April Lazzaro	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: Unannounced, scheduled inspection.		
RESOLVED COMPLAINTS:		

Staff, April Lazzaro arrived at the facility to conduct an unannounced, scheduled inspection. Upon arrival, no odors or visible emissions were observed. I met with Cindy Nelson, Controller/HR Manager, Karen Proxmire, HR Coordinator and Jeremy Louis, Machine Assembly Supervisor.

FACILITY DESCRIPTION

Progressive Surface is a project based manufacturer of automated machinery, including shot preening and abrasive grit blasting applications for aerospace, energy, medical, military and general manufacturing applications. Activities include assembly, painting and thermal spray coating. The facility is comprised of three buildings, that each manufacture various aspects of the final project.

COMPLIANCE EVALUATION

Building 1 is comprised of assembly, electrostatic painting, welding (tack/stud) and a thermal spray booth with plasma torch. The thermal spray booth is equipped with an externally vented baghouse for particulate control. The baghouse operates at a pressure drop range of 2-4" H₂O. Particulate is collected in a 55 gallon drum which is disposed of as necessary. The thermal spray booth and welding are exempt from permitting pursuant to Rule 285(2)(i).

The painting is exempt per Rule 287(2)(c). Paint usage records for 2020 and 2021 were provided, and the highest monthly usage occurred in September 2020 with a total of 175 gallons sprayed. Progressive Surface will continue to monitor on-site paint usage to ensure compliance with the 200 gallon per month limit.

Building 2 is comprised of internally controlled and vented metal machining activities and a thermal spray booth with plasma torch. The machining activities are exempt from permitting pursuant to Rule 285(2)(l)(vi). The thermal spray booth is equipped with an externally vented baghouse for particulate control. The baghouse operates at a pressure drop range of 2-4" H₂O. Particulate is collected in a 55 gallon drum which is disposed of as necessary. The thermal spray booth and welding are exempt from permitting pursuant to Rule 285(2)(i). Two internally vented grit blast machines are exempt from permitting pursuant to Rule 285(2)(l)(vi).

Building 4 (formerly building 3&4 which were combined) consists of three production lines that are essentially the same. They include one internally vented grit blast machine, exempt from permitting pursuant to Rule 285(2)(l)(vi), a thermal spray booth with plasma torch equipped with an externally vented baghouse for particulate control exempt from permitting pursuant to Rule 285(2)(l)(vi) and one post grit blast

unit that is internally vented and exempt from permitting pursuant to Rule 285(2)(I) (vi).

Line #1 baghouse was being serviced for a barrel change, and the filters were being pulsed to clean them thoroughly for maximum particulate collection.

Line #2 was not operating on the day of the inspection.

Line #3 baghouse was operating with a pressure drop of 2.1" H₂O. It is equipped with a waste barrel sensor/alarm system.

SUMMARY

Progressive Surface was in compliance at the time of the inspection.

NAME April Lazzaro

DATE 09/20/2021

SUPERVISOR HH