

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

N290724727

FACILITY: SYSTEMS CONTROL DIV OF M J ELECTRIC		SRN / ID: N2907
LOCATION: 1809 N STEPHENSON AVE, IRON MOUNTAIN		DISTRICT: Upper Peninsula
CITY: IRON MOUNTAIN		COUNTY: DICKINSON
CONTACT: Josh Debroux , Environmental Health & Safety Dir.		ACTIVITY DATE: 03/28/2014
STAFF: Joel Asher	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: bake-out oven		
RESOLVED COMPLAINTS:		

On 3/28/2014 I conducted an unannounced inspection of this facility. My contacts were Mr. Josh DeBroux and Mr. Robert Truscott.

This facility produces BOSS snowplows and they are expanding to include ice removal equipment and snow removal equipment for ATV's and UTV's. They are also expanding to snow and ice equipment for larger equipment. The plant has grown since my last inspection, they now employ between 250 to 260 staff and are still hiring.

There have been no changes to the process to involve air quality. The facility continues to operate their bake-out oven permitted under PTI # 23-96. The oven is utilized for baking off excess paint from the hooks used to carry parts through the paint booth. Powder paint is used in all applications. The oven is run anywhere from 3 to 6 times a week depending on need.

A MadgeTech datalogger is utilized to collect the operating temperatures in the afterburner. A new temperature probe was replaced in the oven on March 10 or 11 of this year. Mr. Steve Veihl is responsible for the observation of the probe and downloading of the data. He stated he observed the probe to have a different appearance so he felt it should be changed.

Mr. DeBroux, Mr. Truscott, and I reviewed the downloaded data. During operations, the afterburner is well above 1500 degrees as required under Special Condition # 14 of PTI # 39-96. Discussions were held as to the possibility of reducing the set point on the afterburner as it is operating hotter than needed. Reducing the set point would reduce natural gas burned and offer a cost savings to the company.

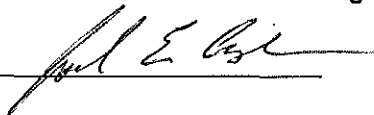
It was also noted that during non-operational times the temperatures recorded sometimes were extremely low, anywhere from below 0 to in the 40's. It seems unlikely the stack inside the plant would actually be that cold unless there was a down draft during cold winter conditions. Mr. DeBroux agreed and said they will look into the issue further. I informed him this does not constitute a violation and is only of general interest to AQD.

No violations of the Air Pollution Control Rules or PTI # 39-96 were observed during this inspection.

PS

Discussions were held with Mr. DeBroux regarding his willingness to share any information or knowledge he has regarding their choice of datalogger. Animal Kingdom Veterinary Clinic in Sault Ste Marie is looking to change their data collection system and has asked to talk with other facilities about their choice of system. Mr. DeBroux agreed he would be willing to talk with them. A call will be placed to Mr. Ron Wambach at Animal Kingdom and I will provide Mr. DeBroux's phone number.

NAME



DATE

4/1/14

SUPERVISOR



BOSS Products
A Division of Northern Star Industries, Inc.
P.O. Box 787
Iron Mountain, MI 49801

ROBERT A. TRUSCOTT
PURCHASING/SUPPLY CHAIN MANAGER

P: (906) 776-3406
F: (906) 779-4218
C: (906) 282-6229

Email: Bob.Truscott@bossplow.com
Web site: <http://www.bossplow.com>



BOSS Products
A Division of Northern Star Industries, Inc.
P.O. Box 787
Iron Mountain, MI 49801

JOSH DEBROUX MS CSP
ENVIRONMENTAL HEALTH & SAFETY DIRECTOR

P: (906) 776-3354
F: (906) 776-3547
C: (906) 221-1566

Email: Josh.DeBroux@bossplow.com
Web site: <http://www.bossplow.com>