

Plant

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

G662032561

FACILITY: JOHNSTON BOILER CO		SRN / ID: G6620
LOCATION: 300 PINE, FERRYSBURG		DISTRICT: Grand Rapids
CITY: FERRYSBURG		COUNTY: OTTAWA
CONTACT: Rick Ewing, General Manager		ACTIVITY DATE: 12/03/2015
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 and met with Rick Ewing and Mike Dora. They were provided a copy of the DEQ Environmental Inspections: Rights and Responsibility brochure and it's contents were discussed.

I began the inspection by talking about the new federal boiler regulations, or Boiler NESHAP. I shared with each of them the DEQ Office of Environmental Assistance Boiler NESHAP pamphlet. I learned that this facility manufactures boilers, but does not usually interface directly with the purchaser. In other words, they are not the best place to help the DEQ get information out about the boilers. They made a couple suggestions, and I will pass the information on to our OEA staff.

The facility manufactures boilers of all sizes. Various stages of manufacturing take place, including welding, plasma arc cutting (water table, internally vented), annealing (grandfathered), vessel pressure testing, x-ray testing, painting and trial operation. The painting is done on a per boiler basis, and information regarding usage was readily available. Mr. Ewing stated that they are at 800 gallons per year, and that is not subtracting the 20% of coating that is water. They continue to utilize a filter on the building exhaust fan that is used during the painting. They are well below the limit for Rule 287(c).

The facility currently operates a 10.2 mmBtu/hr natural gas fired boiler that is exempt from permitting, however at that size it would be subject to NSPS Dc. We discussed this, and when I got back to the office I determined that this has never been evaluated, nor has a notification been submitted. Information on how to submit an initial notification form was sent to the company.

Mr. Ewing has stated that Johnston Boiler plans to permanently derate the boiler by changing the belts and sheaves on the fan drive in order to reduce the combustion air flow. This requires a shutdown, and will derate the boiler to 9.95 mmBtu/hr. They will also change the name-plated firing rate to reflect the change.

This appears to meet the EPA's definition of a permanent physical change which is a change that, " Consists of a permanent physical change which prevents the boiler from operating at a capacity greater than the derated value. And, "The fact that a boiler outage would be required to reverse the change indicates that the change is permanent." This changes is anticipated to be completed in 30 days, at which time Mr. Ewing will contact me. This is acceptable.

The facility was in compliance at the time of the inspection. Follow up will be conducted to ensure the exempt boiler is derated as detailed above.

NAME 

DATE 12-17-15

SUPERVISOR PMB