

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

N134023677

FACILITY: Portland Iron & Metal Inc		SRN / ID: N1340
LOCATION: 3130 Knoll Rd PO Box 454, PORTLAND		DISTRICT: Grand Rapids
CITY: PORTLAND		COUNTY: IONIA
CONTACT: John Piercefield, Owner		ACTIVITY DATE: 11/01/2013
STAFF: Eric Grinstern	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: Unannounced inspection		
RESOLVED COMPLAINTS:		

FACILITY DESCRIPTION

Portland Iron and Metal, N1340, is located in rural Ionia County, southwest of the City of Portland. The facility's primary operation is scrap metal recycling.

REGULATORY OVERVIEW

The facility is categorized as a minor source that currently holds one permit (PTI No. 381-98) for a scrap metal shredder. The facility is currently not subject to any federal NSPS or NESHAP standards.

COMPLIANCE EVALUATION

Prior to entering the facility no opacity or odors were noted. At the facility EG met with John Piercefield, owner. A copy of the DEQ Inspection Rights and Responsibilities brochure was provided to Mr. Piercefield.

Below is an evaluation of the facilities compliance requirements.

Permit to Install No. 381-98

Scrap Shredder

The shredder was not operating at the time of inspection. Mr. Piercefield stated that they operate the shredder about 10 days a month. The facility does not shred autos. The Z-box on the shredder is controlled by a cyclone. The shredder itself is uncontrolled, except for water spray, which coincides with the NSR permit application.

Emission/Material Usage Limits

Establishes an emission limit of 0.08 pound per 1,000 pounds of exhaust gases. Verification with the emission limit would require emissions testing, which has not been requested. Compliance is assumed based upon proper operation of the shredder and control equipment. The facility is required to operate a cyclone collector on the Z-Box operation, which is in-place. The facility also operations a water spray system on the shredder.

The facility is also prohibited from processing asbestos tailing or asbestos containing waste material in the shredder.

Process/Operational Limits

Requires the facility to implement and maintain a fugitive dust plan, which has previously been reviewed.

Design Parameters

Requires an exhaust stack with maximum diameter of 36 inches and a minimum exit point of 58 feet above ground level.

Visual observation showed that the stack appeared to meet the dimensions.

Compliance Status: The shredder appears to be in compliance with applicable requires. Staff will attempt to observe the process while it is operating during a future visit.

Additional Processes:

The facility is in the process of installing an aluminum shredder that will be equipped with a Z-Box sorting system. The unit is used to process aluminum from the permitted scrap shredder to reduce the size and to remove non-aluminum components. The facility has constructed the shredder and rebuilt/reconfigured the unit over the past year to establish the most appropriate design. The unit is equipped with baghouse control that draws from the discharge of the shredder. The facility plans to enclose the unit, install the Z-Box sorter and add a feed conveyer. Discussion took place regarding the use of Rule 290 to exempt the process from the need to obtain a permit to install. Staff recommended that the facility submit an application for a permit to install instead of providing documentation of exemption under Rule 290. The facility agreed to submit an application for the process.

Based on the information and observations made during this inspection, the facility is in compliance with applicable air quality rules and regulations.

NAME 

DATE 11/21/15

SUPERVISOR 