

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

N375358961

FACILITY: Alter Trading Corporation		SRN / ID: N3753
LOCATION: 100 SUPERIOR AVE, KINGSFORD		DISTRICT: Marquette
CITY: KINGSFORD		COUNTY: DICKINSON
CONTACT: David Nedvidek ,		ACTIVITY DATE: 07/13/2021
STAFF: Sydney Hewson	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: Onsite Inspection to verify compliance with PTI 16-15 and all other state and federal air quality regulations.		
RESOLVED COMPLAINTS:		

On July 13, 2021 I (Sydney Hewson) performed an onsite inspection of Alter Trading located at 100 State Street in Kingsford, MI. While onsite I met with David Nedvidek, Yard Manager. Mr. Nedvidek gave me a tour of the facility and went over onsite operations.

**Facility Description:**

Alter Trading processes metal for recycling, they accept scrap metal such as cars, siding, fencing, and appliances, they clean the metal through a shredder and sell it to steel mills and foundries. The facility operates one 80 ton per hour METSO scrap metal shredder (hammer mill) equipped with a smart water injection system, followed by a rotary drum magnetic separator, a z box with a cyclone, and associated conveyors under PTI 16-15. They also torch cut some scrap metal, processed metal is primarily shipped out by railcar.

**PTI 16-15**

Below is a summary of the compliance with PTI 16-15.

**Emission Limits:**

<i>Pollutant</i>	<i>Emission limit</i>	<i>Compliance method</i>
<i>PM</i>	<i>0.050 lbs per 1000 lbs of dry exhaust gases</i>	The hammermill, z-box, and conveyors of EU-SHREDDER shall not exceed a six-minute average of 10 percent. At the time of my inspection there were no visible emissions from any of these sources. The facility is also not allowed to operate the shredder unless a cyclone collector is also operating.
<i>PM10</i>	<i>2.0 pph</i>	
<i>PM2.5</i>	<i>2.0 pph</i>	

**Material Limits:**

The facility is not allowed to process more than 114,400 tons of material through EU-SHREDDER per 12 month rolling time period. The facility submitted records (Attached to the hard file of this report) that showed a 12-month material through put of 26,593 tons through December 2020. This is well below the above permit limit. The facility is not processing asbestos tailing or waste materials containing asbestos in EU-SHREDDER.

**Process/Operational Restrictions:**

*The permittee shall not operate EU-SHREDDER for more than 6 hours per calendar day and 1,430 hours per 12 month rolling time period. The facility submitted records (attached to the hard copy of this report) that show a 12 month hour log of 457.45 hours through December 2020. Typical daily hours of operation were 0.5-2 hours in June 2021 (Records attached).*

*The facility removes fluid, freon, and mercury from all materials to be shredded. Gas tanks processed in EU-Shredder are flattened or punctured before processing.*

*The facility is submitting an updated MAP and Permit to install compliance plan by August 18, 2021.*

**Design/Equipment Parameters:**

The facility operates a smart water injection system and cyclone, maintenance is outlined in the MAP.

The facility monitors and records the water injection rate and the shredder motor current while operating. Records are attached to the hard copy of this report.

There was no visible fugitive dust during my inspection, the facility wets the road and storage piles as needed.

**Compliance:**

At the time of my inspection Alter Trading appeared to be in compliance with PTI 16-15 and all other applicable state and federal air quality regulations.

NAME



DATE

8-3-21

SUPERVISOR

