

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

P045323860

FACILITY: HAMTRAMCK RECYCLING LLC		SRN / ID: P0453
LOCATION: 3333 HAMTRAMCK DRIVE, HAMTRAMCK		DISTRICT: Detroit
CITY: HAMTRAMCK		COUNTY: WAYNE
CONTACT: Matt Essian , Facility Manager		ACTIVITY DATE: 12/12/2013
STAFF: Todd Zynda	COMPLIANCE STATUS: Compliance	SOURCE CLASS: Minor
SUBJECT: FY 2014 Targeted Inspection		
RESOLVED COMPLAINTS:		

REASON FOR INSPECTION: Targeted Inspection

INSPECTED BY: Todd Zynda, AQD

PERSONNEL PRESENT: Matt Essian, Facility Manager; Seth Krueger, President

FACILITY PHONE NUMBER: 313-871-5000

FACILITY WEBSITE: www.hrecycling.com

### FACILITY BACKGROUND

Hamtramck Recycling (HR), a recycling and transfer station, is located at 3333 Hamtramck Drive, Hamtramck, Michigan. HR currently has 35 employees and operates Monday through Friday, from 8:00 AM to 5:00 PM.

Property boundaries are as follows: the William Dickerson Detention Facility (Wayne County) is located to the east; General Motors (GM) Hamtramck Assembly Center is located to the south; a vacant parcel is located to the north; Kamax GB Dupont (an industrial/commercial business) is located to the west. The nearest residential property is located approximately 0.15 mile to the northwest.

### PROCESS OVERVIEW

HR is a recycling and transfer station. Waste material is received at the facility through large bay doors and moved using conveyors and excavators equipped with grapples. Waste processed at the facility is primarily industrial dry waste from GM, Ford, or Chrysler, along with some retail waste. Residential waste is not processed at HR. Approximately 20% of waste processed at the facility is shredded using an electric powered hydraulic shear shredder (Permit to Install [PTI] 100-13:EUSHREDDER1). Bulk waste processed in the shredder is shredded down into pieces approximately 10-12 inches in length. Sorted material (plastic, wood, metal) is bundled and sold for recycling.

HR also has a PTI for an electric powered quad shear used for shredding wood waste. However, this equipment is not yet installed.

### COMPLAINT/COMPLIANCE HISTORY

There is no history of complaints or inspections for this facility.

### OUTSTANDING CONSENT ORDERS

None

### OUTSTANDING VIOLATION NOTICES

None

### INSPECTION NARRATIVE

On December 12, 2013, the Michigan Department of Environmental Quality (MDEQ) Air Quality Division (AQD) inspector, Mr. Todd Zynda conducted an unannounced level 2 inspection of HR. The inspection was conducted to determine the facility's compliance with the Natural Resources and Environmental Protection Act (NREPA), Act 451, Part 55, and PTI No. 100-13 and 134-13. During the inspection, Mr. Seth Krueger, President, and Mr. Matt Essian, Facility Manager, provided information and a tour of facility operations relating to air quality permits.

At 2:00 PM, AQD staff arrived onsite and performed outside observations. Visible emissions were not observed and odors were not detected at the time of the inspection. At 2:15 PM Mr. Zynda entered the facility, stated the purpose for the inspection, and was greeted by Mr. Krueger.

During the introductory meeting, the PTI conditions for EUSHREDDER1 and EUSHREDDER2 were discussed. According to Mr. Krueger, HR has been in operation since January 2012. Mr. Krueger stated that the wood shredder (EUSHREDDER2) has not been installed yet, but is planned to be installed within the next three months. Mr. Krueger stated that the prohibited waste material specified in the PTI is not processed at HR.

Following a brief opening discussion, a tour of the facility was conducted. During the inspection the tipping floor and sorting with grapplers was observed. A portion of the waste material is processed in EUSHREDDER1. Material processed in EUSHREDDER1 is dropped down to a conveyor for further processing and sorting. Material exiting from EUSHREDDER1 was observed for several minutes. Asbestos, drywall, chemical products, light bulbs, etc. were not observed exiting the bulk shredder or observed in the facility in general. During the inspection, the inside of the facility was quite dusty, with wood and plastic debris scattered throughout. However, dust and debris appeared to be contained to the facility building and was not impacting ambient air. The tour concluded with observation of EUSHREDDER2, which was staged outside in the parking lot.

Following the tour of the facility, a closing meeting was held with Mr. Krueger and Mr. Essian. Mr. Essian stated that HR is currently operating at 50% of the full operating capacity.

#### APPLICABLE RULES/PERMIT CONDITIONS

##### Permit to Install No. 100-13 – EUSHREDDER1 (Bulk Waste Shredder)

The Special Conditions (SC) are listed as appropriate. For brevity, permit conditions have been paraphrased.

SC. II. 1. **IN COMPLIANCE.** The permittee shall not process any asbestos tailing or asbestos containing waste materials in EUSHREDDER1. During the inspection asbestos tailing or asbestos containing waste materials was not observed. The majority of material shredded is composed of wood, paper, and plastic debris.

SC III. 1. **IN COMPLIANCE.** The permittee shall remove and properly dispose of, at a minimum, dry wall, chemical products (liquid and solid), fluorescent light bulbs, fluorescent light ballasts with oil, and all mercury-containing devices from waste to be shredded. During the inspection the above listed materials were not observed.

SC VIII. 3. **IN COMPLIANCE.** The exhaust gases from EUSHREDDER1 shall not be discharged to ambient air at any time. EUSHREDDER1 discharges to the general in-plant environment.

##### Permit to Install 134-13 – EUSHREDDER2 (Wood Waste)

Not Applicable. The equipment has not been installed.

#### APPLICABLE FUGITIVE DUST CONTROL PLAN CONDITIONS:

Not Applicable. All lots are paved.

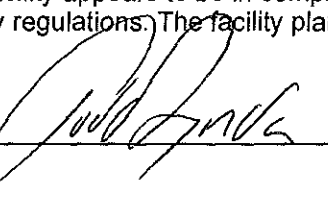
#### MAERS REPORT REVIEW:

The facility is not required to submit Michigan Air Emissions Reporting System (MAERS).

#### FINAL COMPLIANCE DETERMINATION:

The facility appears to be in compliance with PTI No. 100-13 and 134-13 along with current federal and state air quality regulations. The facility plans to install EUSHREDDER2 within the next three months.

NAME



DATE

12/18/13

SUPERVISOR

W.M.