

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

A423826048

FACILITY: EAGLE ALUMINUM CAST PRODUCTS		SRN / ID: A4238
LOCATION: 664 W CLAY, MUSKEGON		DISTRICT: Grand Rapids
CITY: MUSKEGON		COUNTY: MUSKEGON
CONTACT: Steven Stiwick , Environmental, Health and Safety Specialist		ACTIVITY DATE: 07/23/2014
STAFF: Eric Grinstern	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: Unannounced inspection		
RESOLVED COMPLAINTS:		

Facility Description

Eagle Aluminum Cast Products – Sand Mold Division is a green sand foundry that makes aluminum castings.

Regulatory Overview

The facility holds one active NSR permit (PTI No. 190-08A) which addresses all permitted processes at the facility.

Compliance Evaluation

Prior to entering the facility staff conducted a survey of the facility perimeter. No odors or visible emissions were noted coming from the facility.

At the facility staff met with Kevin, Lead worker. Kevin attempted to contact Steven Spiwak, Environmental, Health and Safety Specialist, but was unable to reach him via phone. EG left the facility and subsequently returned to the facility with Steven Spiwak.

Mold Making

The facility is a green sand operation. Mold making operations consist of (3) roll-over with pin lift molders, (1) roto-lift, (1) manual station and (1) squeeze molder.

Melting

Melting is performed in four gas-fired furnaces, each with a 1,000 lb. capacity. The facility has the ability to operate all of the furnaces at one time. All of the furnaces have a hood over them and vent to the outside atmosphere uncontrolled. The facility only melts aluminum ingots and in-plant returns. During the inspection only one furnace was in operation.

PTI No. 190-08A limits flux usage to 0.8 pounds per hour and 2400 pounds per years. Compliance with the hourly limits is demonstrated on a daily average. The facility maintains usage records to demonstrate compliance with the limit.

The facility is required to maintain records of the tons of aluminum melted on a monthly basis. The facility maintains electronic melt records.

Pouring/Cooling/Shakeout

Pouring is performed via ladling molten aluminum to the molds at the end of the mold line. The facility does not have any specific cooling lines. Shakeout is performed on a small vibrating table that emits into the in-plant atmosphere.

Finishing

Finishing operations consist of a shot-blast unit controlled by a baghouse that vents into the in-plant atmosphere. After shot-blasting hand held snag grinders are used on the castings.

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

NAME DATE 8/6/14SUPERVISOR 