

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

N111229334

FACILITY: W MICHIGAN AUTO STEEL & EN		SRN / ID: N1112
LOCATION: 550 E ELLIS, BELDING		DISTRICT: Grand Rapids
CITY: BELDING		COUNTY: IONIA
CONTACT: Herman Siegel III, President		ACTIVITY DATE: 04/29/2015
STAFF: Eric Grinstern	COMPLIANCE STATUS: Non Compliance	SOURCE CLASS: Minor
SUBJECT: Unannounced Inspection		
RESOLVED COMPLAINTS:		

Unannounced inspection of Hillside Industries/West Michigan Automotive Steel and Engineering.

At the facility staff met with Herm Siegel III, Owner.

FACILITY DESCRIPTION

At the time of the last inspection the facility engaged in hydrochloric pickling and zinc phosphating of steel. The facility has since discontinued these operations. The facility continues to engage in CNC machining and fabrications, which was previously determined to be exempt from the requirements of obtaining a permit to install. Since the last inspection the facility has started a small aluminum foundry operation. In 2009 the facility started casting aluminum parts via a shell sand system. The foundry operation consists of a single shell core machine and two shell mold curing units. Aluminum is melting in a single gas-fired pot furnace the vents into the in-plant atmosphere. The estimated size of the furnace is 300 pounds and flux is not currently used, therefore the furnace itself is exempt from permitting under Rule 282(a)(iv). Molds are manually poured 1-2 days a week with aluminum that is ladled from the furnace. The facility manually knocks out the molds adjacent to pouring. None of the foundry processes have direct capture or control. The facility does some cutting of gates and raisers onsite with processes that vent internally.

REGULATORY ANALYSIS

The facility currently does not hold any air use permits. The foundry processes, including mold making, pouring/cooling and shakeout required a permit to install prior to installation. The foundry operation is not subject to Subpart ZZZZZZ at this time because the aluminum throughput amount is less than the applicability threshold of 600 tons per year.

CONCLUSION

The facility will be issued a violation notice for failing to obtain a permit to install for the foundry operation.

NAME



DATE

4/29/15

SUPERVISOR

