

DEPARTMENT OF ENVIRONMENTAL QUALITY  
 AIR QUALITY DIVISION  
 ACTIVITY REPORT: Self Initiated Inspection

P070234577

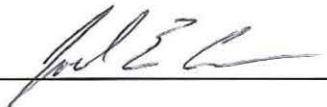
FACILITY: Z D Metal Products, Inc.		SRN / ID: P0702
LOCATION: 6641 County Road 392, NEWBERRY		DISTRICT: Upper Peninsula
CITY: NEWBERRY		COUNTY: LUCE
CONTACT: SCOTT WALKUP , PLANT MANAGER		ACTIVITY DATE: 05/17/2016
STAFF: Joel Asher	COMPLIANCE STATUS:	SOURCE CLASS:
SUBJECT: Inspection of facility prior to issuance of PTI #57-16.		
RESOLVED COMPLAINTS:		

Z D Metal Products is located at 6641 County Road 392, in Newberry. This is in the industrial complex located to the east of the prison and to the south of LP Newberry. This facility operates a magnesium die casting operation and has applied for a PTI for their process. They are not exempt from permitting under Rule 282(a)(iv) as their crucible has a capacity greater than 1000 pounds. Ms. Ambrosia Brown of the Permit Section is working on PTI #57-16 and asked if the district would conduct an inspection prior to the issuance of the PTI to ensure no other subject equipment is present on the site.

On 5/17/16 I visited the site and met with the Plant Manager, Mr. Scott Walkup. The facility employs a total of 28 people. They operate Monday to Friday with 2 -12 hour shifts. Presently they produce removable hard-top frames for corvettes and a brake assembly for various GM vehicles. They have produced various products as the market demands.

The process involves preheating magnesium ingots before they are placed in the crucible. The melted magnesium is pumped into molds that form the desired product. After removal, the product is cooled, cleaned, marked, and tapped for future threaded inserts. The injection molding machine is capable of making 320 to 340 roof frames in a 12 hour shift. The products are then sent to a finish sanding room. The fines are collected by a down draft table which exhausts to the in-plant environment.

Mr. Walkup provided a complete tour of the facility and the only outside exhausting at the plant is through 3 vents in the ridge of the roof. These have been identified and discussed with Ms. Brown.

NAME 

DATE 5/20/16

SUPERVISOR 