

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

B435035662

FACILITY: ASTECH INC		SRN / ID: B4350
LOCATION: 5512 SCOTCH RD, VASSAR		DISTRICT: Saginaw Bay
CITY: VASSAR		COUNTY: TUSCOLA
CONTACT: Mark Swanson , Quality Assurance Manager		ACTIVITY DATE: 07/21/2016
STAFF: Sydney Bruestle	COMPLIANCE STATUS: Non Compliance	SOURCE CLASS: MINOR
SUBJECT: Scheduled onsite inspection to determine compliance with PTI 503-80, PTI 504-80, PTI 3-13, PTI 521-94, and all other applicable state and federal air quality regulations.		
RESOLVED COMPLAINTS:		

I (Sydney Lee Bruestle) performed an onsite inspection at Alloy Steel Technologies, Inc. (Astech) located at 5512 Scotch Rd. in Vassar Michigan. While onsite I met with Mark Swanson, Quality Assurance Manager. He has been with Astech for just over a year. We first met in Mr. Swanson's office to discuss the active permits and onsite processes. We then followed with a detailed tour of the facility and Mr. Swanson provided me with records for review.

Astech Inc. currently employs around 35 people, there are 8 full time staff and the remaining are hourly. The facility manufactures iron and steel products/tools used in a variety of industries. Some of these products include gas/oil pumps, pump housing, large drill bits for digging gas and oil lines or water mains), and replacement parts for shot blasting equipment. The facility operates two cast lines, one uses green sand and the other is a no bake cast line. There are four furnaces onsite, one 2000 lb induction furnace, and three 1000 lb induction furnaces. There is also a heat treat oven, three blast machines, and three different quench cooling systems. Products are heat treated at different temperatures and durations dependent on the alloys they contain.

Astech Inc. currently holds 4 active permits to install (PTIs) with the state of Michigan.

PTI 503-80 covers a swing grinder and abrasive wheel cutoff saw. The permit contains a visible emission limit of 20% opacity while operating these emission units. During my inspection there were no visible emissions from the equipment.

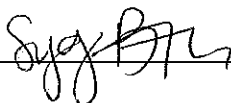
PTI 504-80 covers a vibrating shake out machine. The permit contains a visible emission limit of 20% opacity while operating these emission units. During my inspection there were no visible emissions from the equipment.

PTI 521-94 covers a no bake molding process with a sand mixer. The permit contains a visible emission limit of 0 % opacity. During my inspection there were no visible emissions from the equipment. The PTI requires the facility to maintain records of monthly usage rates of resin and catalyst. The records were reviewed onsite and are attached to this report.

PTI 3-13 covers a one ton capacity Duraline electric induction melt furnace. The permit requires the facility to use non-methanol containing catalyst and binders only. I reviewed the SDSs for the catalysts used, and both do not contain methanol (SDSs are attached).

Astech Inc. is subject to 40 CFR Part 63 Subpart ZZZZZ. They have not submitted a semi annual compliance report to the Air Quality Division since July 2013. A violation notice was sent August 3, 2016. It appears Astech is in compliance with all other permit conditions, state and federal air quality regulations.

NAME



DATE

08/03/16

SUPERVISOR

