

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

N741727048

FACILITY: AUSTEMPER INC.		SRN / ID: N7417
LOCATION: 33180 KELLY RD., CLINTON TWP		DISTRICT: Southeast Michigan
CITY: CLINTON TWP		COUNTY: MACOMB
CONTACT: Sam Domke , Plant Manager		ACTIVITY DATE: 09/18/2014
STAFF: Rem Pinga	COMPLIANCE STATUS: Compliance	SOURCE CLASS: Minor
SUBJECT: Unannounced Level 2 Self-initiated Inspection		
RESOLVED COMPLAINTS:		

On 9/18/2014, I conducted an unannounced level 2 self-initiated inspection at Austemper, Inc., located at 33180 Kelly Road, Clinton Township, Michigan 48035. The purpose of the inspection was to determine the facility's compliance with the requirements of the Federal Clean Air Act; Part 55, Air Pollution Control, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (Act 451), the Administrative Rules, and the conditions of the facility's recently issued Permit to Install No. 276-04A. As part of the inspection process, I initially showed my credential (ID Badge), stated the purpose of my visit, and gave a copy of the pamphlet "Environmental Inspections: Rights and Responsibilities" to Mr. Sam Domke, Plant Manager and facility contact person.

The facility conducts miscellaneous metal parts heat treat processes for customers in the automotive, and other industries. Heat treating is a process to harden the metal by subjecting the metal in a two stage heat application processes. The first phase is called austertizing (hardening) process. In this process, the metal is subjected to high temperature such as 1300°F to alter the properties, then cooled rapidly through a cooling medium known as the quenching process. After the first heating stage, the metal is usually cleaned and then subjected to a lower temperature heating known as tempering process.

PTI No. 276-04A was issued for 2 hardening furnaces with molten salt quenching and 1 tempering furnace. During the inspection, I did not observe any visible emissions both inside and outside the facility. I observed 1 hardening furnace operating and noted the different zone temperatures close to 1550°F. The other hardening furnace was at the facility but has not been installed yet. I observed the tempering furnace installed and operational but not operating at the time of the inspection. Mr. Domke mentioned that this furnace operates maybe once per week depending on job orders. The quench tank is located in ground and fully covered as part of the continuous belt line connected to the hardening furnace. Parts coming out of the belt line from quenching were either dried for packaging or conveyed to the tempering furnace and subjected to a secondary lower temperature heat treating process. As part of the requirement in PTI No. 276-04A, I discussed the recordkeeping requirements for quench salt usage. I informed Mr. Domke to utilize the attached spreadsheet in Appendix A to keep records and calculate the PM emitted based on the formula included in the spreadsheet. I also mentioned that the records should be kept at the facility. Mr. Domke mentioned that the quench salt usage recordkeeping is currently being kept at the main office where all material tracking are being handled.

I did not find any noncompliance issues during the inspection.

NAME F. M. H.

DATE 9/24/2014

SUPERVISOR CTE