

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

N148645929

FACILITY: CUSTOM HEAT TREAT	SRN / ID: N1486
LOCATION: 628 WEST BREITUNG, KINGSFORD	DISTRICT: Upper Peninsula
CITY: KINGSFORD	COUNTY: DICKINSON
CONTACT: Dan Brault , Plant Superintendant	ACTIVITY DATE: 09/06/2018
STAFF: Sydney Bruestle	COMPLIANCE STATUS: Compliance
SUBJECT: Onsite Inspection to verify compliance with PTI 789-86 and all other applicable state and federal air quality regulations	
RESOLVED COMPLAINTS:	

On September 6, 2018 I (Sydney Bruestle) conducted an air quality inspection of Custom Heat Treat located at 628 Breitung Ave, Kingsford Michigan. While onsite I met with Dan Brault, the plant superintendent. Mr. Brault gave me a tour of the facility and explained the processes onsite.

Custom Heat Treat processes metal for the broaching industry (broaching not done onsite). They have three electrically heated furnaces used to harden steel parts. The parts are cleaned before processed in the furnaces.

Custom Heat Treat holds one active Permit to Install (PTI) with the state of Michigan. PTI 789-86 covers all three heat treat furnaces. The permit requires the facility to have no visible emissions from the furnace stack. Since the issuance of this PTI a permit exemption that may apply to this facility has been issued. R 336.1282 (2) *The requirement of R 336.1201(1) to obtain a permit to install does not apply to any of the following:*

*(a) Any of the following processes or process equipment which are electrically heated or which fire sweet gas fuel or no. 1 or no. 2 fuel oil at a maximum total heat input rate of not more than 10,000,000 Btu per hour:*

- *(i) Furnaces for heat treating or forging glass or metals, the use of that does not involve ammonia, molten materials, oil-coated parts, or oil quenching.*
- *(ii) Porcelain enameling furnaces or porcelain enameling drying ovens.*
- *(iii) Kilns for firing ceramic ware.*
- *(iv) Crucible furnaces, pot furnaces, or induction melting and holding furnaces that have a capacity of 1,000 pounds or less each, in which sweating or distilling is not conducted and in which fluxing is not conducted utilizing free chlorine, chloride or fluoride derivatives, or ammonium compounds.*

The facility might meet these requirements and request to void PTI 789-86.

NAME Sydney Br DATE 9/11/18 SUPERVISOR EST