

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

N002239746

FACILITY: CIE Newcor MTG Owosso		SRN / ID: N0022
LOCATION: 401 South Chestnut, OWOSSO		DISTRICT: Lansing
CITY: OWOSSO		COUNTY: SHIAWASSEE
CONTACT: Jane Johnson , Operating Systems Coordinator		ACTIVITY DATE: 05/10/2017
STAFF: Julie Brunner	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: Compliance determination for PTI 40-17 issued April 14, 2017.		
RESOLVED COMPLAINTS:		

This was a self-initiated inspection of CIE Newcor MTG Owosso to determine compliance with PTI 40-17 issued April 14, 2017.

Facility Name/Address:

N0022 – CIE Newcor MTG Owosso
401 South Chestnut Street, Owosso

Inspection Date: 5/10/2017

Facility Contact:

Jane Johnson, Operating Systems Coordinator, 989-743-3936 ext. 262, jjohnson@newcor.com

Facility Description:

This is a facility owned and operated by CIE Newcor MTG in Corunna. MTG manufactures and assembles steel shafts, pins and gears for the automotive industry. The facility includes new metal heat treating processes including oil quench to harden parts, and various existing metal machining processes. The facility was assigned the SRN: N0022. MTG in Corunna had two SRNs, and the district files for the Corunna facility were under N6363. When MTG applied for a permit at their facility located at South Chestnut Street in Owosso, the SRN: N0022 was re-assigned to it at District recommendation.

CIE Newcor MTG is located in west Owosso just south of M-21. The area surrounding CIE Newcor MTG is mixed commercial/industrial to the west and mixed commercial/residential to the northeast and southeast.

Exempt Equipment:

Misc. metal machining processes, Rule 285(2)(l)

List of Active Air Use Permits:

Permit to Install (PTI) No. **40-17** for three (3) metal heat treatment furnaces and three (3) tempering furnaces identified as follows:

EUFUR001 - 3.0 MMBtu/hr natural gas-fired carburizing furnace with integral oil quench and flame curtain, followed by a natural gas-fired spray dunk washer, and a natural gas endothermic generator serving all furnaces to provide atmosphere.

EUFUR002 - 3.0 MMBtu/hr natural gas-fired carburizing furnace with integral oil quench and flame curtain, followed by a natural gas-fired spray dunk washer, and a natural gas endothermic generator serving all furnaces to provide atmosphere.

EUFUR003 - 3.0 MMBtu/hr natural gas-fired carburizing furnace with integral oil quench and flame curtain, followed by a natural gas-fired spray dunk washer, and a natural gas endothermic generator serving all furnaces to provide atmosphere.

EUTEMP001 - Electric tempering furnace receiving quenched metal from one of three heat treat furnaces.

EUTEMP002 - Electric tempering furnace receiving quenched metal from one of three heat treat furnaces.

EUTEMP003 - Electric tempering furnace receiving quenched metal from one of three heat treat furnaces.

FGHEATTREAT - Three carburizing furnaces equipped with integral oil quench, parts washers and three tempering furnaces for surface treatment of metal parts. Each carburizing furnace is equipped with a flame curtain.

Applicable Regulations:

No New Source Performance Standards (NSPS) and Maximum Achievable Technology Standards (MACT) have been identified as applicable to this source.

Inspection:

While inspecting CIE Newcor MTG in Corunna, I discussed the status of the equipment installation for PTI 40-17 with Ms. Jane Johnson. The furnaces are on the floor and the stacks have not been installed yet. The hope is to have the process installed by the end of May. Jane will let me know when the process is operating. It is also a requirement in the permit to provide notice as follows:

Special Condition (SC) VII.1. Within 30 days after completion of the installation, construction, reconstruction, relocation, or modification authorized by this Permit to Install, the permittee or the authorized agent pursuant to Rule 204, shall notify the AQD District Supervisor, in writing, of the completion of the activity. Completion of the installation, construction, reconstruction, relocation, or modification is considered to occur not later than commencement of trial operation of FGHEATTREAT. **(R 336.1201(7)(a))**

I drove by the facility when leaving Owosso, and neither visible emissions nor any odors were identified.

Summary:

Once notice has been provided, I will complete an inspection of the new equipment and determine compliance with PTI 40-17.

NAME Julie L. Burren DATE 5/11/17 SUPERVISOR B. M.