

N7317
Mawika

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

N731740735

FACILITY: CONTRACTORS STEEL COMPANY		SRN / ID: N7317
LOCATION: 48649 SCHOONER DRIVE, BELLEVILLE		DISTRICT: Detroit
CITY: BELLEVILLE		COUNTY: WAYNE
CONTACT: Mark Mounge, Safety Manager		ACTIVITY DATE: 07/17/2017
STAFF: Terseer Hemben	COMPLIANCE STATUS: Compliance	SOURCE CLASS: Minor
SUBJECT: PM		
RESOLVED COMPLAINTS:		

SCHEDULED INSPECTION: CONTRACTORS STEEL COMPANY (CSC)

SRN N7317

PERMIT #-Exempt R285(2)(I)(vi)B, and Rule 285(2)(I)(vi)C.

48649 Schooner Drive, Belleville, MI 48111

Present: Mark Mounge Manager

Terseer Hemben MDEQ

Facility Phone: 734-487-3024

Background:

The Contractors Steel Company (CSC) operates in a 286, 000 square foot building that was built in 1999 in Belleville. The company has similar plants in Livonia, Grand Rapids, Michigan, and Cleveland, Ohio. CSC purchases bulk steel products and cuts, grind or shape in smaller steel products to customers' specifications. Information regarding CSC business operation is on AQD file.

Inspection Narrative:

I arrived at the facility address on July 18, 2017 at 1110 hours. Purpose of the visit was to conduct a scheduled compliance inspection of the steel cutting, grinding or physically shaping steel products operation. Temperature at the hour was 81 F with wind speed 4.6 mph coming from variable directions, and humidity was 54%. I met Mr. Mounge, one of the production managers, who welcomed my visit. We settled down to a pre-inspection interview. Mr. Mounge informed nothing had changed at the facility with regards to operating conditions. We examined the equipment, stack, dust collectors, and concluded my visit with a post inspection conference. Mr. Mounge sent copies of Dust Collector maintenance records to AQD via facsimile transmission timely. Records are attached. I left the area at 1205 hours.

Process Description:

The CSC provides cutting, grinding and shaping steel products to fabricators, sheet metal shops, machine shops, contractors, welding companies, and other steel product consumers. The CSC operates steel saws, shears, plasma and flame cut, press brakes, punches, drills, rollers, grinders, mitre cuts and caters to numerous customers. Other equipment includes an array of material handling machinery including 50 cranes set on rails. Products manufactured at the facility include hot rolled and cold-rolled steel bars, angles, channels, carbon steel pipe, square and rectangular tubing. Some of the products are wide-flange beams, standard I-beams, standard and junior channels. Other products include ship and car channels, expanded metal, grating, tee bars, molded cover bars and rail, plate to 16 inches thick, floor plate, coil and sheets 16 gauge to half-inch, 60 - inch and 72-inch wide sheets.

Equipment Controls:

The controls for the cutting, shearing and oxy/plasma flame cutting processes are set in exhaust hoods ducted into dust collectors located outside the building. The dust collectors separate particulates from gaseous components coming from inside the work area. Separated particulates are discharged into the

waste collection 55-gallon drums. The drums containing metal particulates are sealed and sold to customers as products. Inside the building, larger steel particles generated during steel processing fall inside the work area, and are also collected, drum-packed and shipped to customers as products. The air exiting from dust collectors is discharged to the ambient through stacks set at not less than 36 feet from the gradient.

Compliance History:

There has not been any complaint attributed to CSC operations since 2004.

Permit # Exempt R285(2)(I)(vi)(I) considerations:

The following process equipment located at this site is exempt from the New Source Review permitting:

(a) The 3 Controlled Oxy/Plasma burning machines combusting natural gas and oxygen. The units are numbered D, E, and F. Each unit exhausts separately through a Torit fabric collector, and the exhausted air is discharged through the respective dust collectors stack (R285(2)(I)(vi)C).

(b) The Grinding process is exempt per Rule 285 (2)(I)((vi)B.

(c) The Cutting machines (saws, etc.) with wet control of cuttings. The machines are exempt per Rule 285(2)(I)(vi)B.

Rule 201(1): Staff verified there has been no change or modification to the equipment or process since installed.

Rule 370 (1): This rule states in part: "Collected air contaminants shall be removed as necessary to maintain the equipment at the required operating efficiency. The collection and disposal of air contaminants shall be performed in a manner to minimize the introduction of contaminants to the outer air". CSC maintains the filters by regular replacement and disposal in appropriate manner. Maintenance records are attached [Attachment Pgs. 1-7]

Opacity: There was no visible emissions from the operation of Steel processing equipment at the time of inspection.

Cartridge Filters: Filter cartridges were installed in dust collecting units and maintained regularly through a contractor. Records of installations, replacements and transportation events away from the site are attached [Pgs. 1-7]. Visual inspection conducted around the cartridge change zones in the dust collectors areas showed no evidence of contaminants spill.

Compliance Determination:

The inspection of Contractor Steel Company located at 48649 Schooner Street, Belleville concluded the facility operated in compliance with air quality requirements evaluated. There were no violations of applicable exempt rules.

NAME th

DATE 9/20/2017

SUPERVISOR JK