

N8199
MAVILLE

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

N819941744

FACILITY: SAV WELDING SERVICES		SRN / ID: N8199
LOCATION: 11811 PLEASANT ST, DETROIT		DISTRICT: Detroit
CITY: DETROIT		COUNTY: WAYNE
CONTACT: Thomas Saville , Project Manager		ACTIVITY DATE: 09/27/2017
STAFF: Terseer Hemben	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: Steel and Aluminum fabrication		
RESOLVED COMPLAINTS:		

SCHEDULED INSPECTION: SAV'S WELDING SERVICES (SWS)

SRN: N8199

PERMIT #-Exempt R285(2)(l)(vi)B; Rule 285(2)(a)(i); Rule 285(2)(a)(j).

11811 Pleasant Street, Detroit, MI 48217

Present: Thomas N. Saville Project Manager

Terseer Hemben MDEQ

Facility Phone: 313-841-3430, Fax: 313-841-4764

Background:

The Sav's Welding Services (SWS) operates a steel fabrication business in Detroit-South. The Company receives refined Steel and Aluminum from business contractors for cutting, shaping and welding into preparatory designs for site constructions. The facility recently relocated to this site from the previous address on Coolidge Avenue, River Rouge. SWS installed cutting, bracing, soldering, welding, and grinding in the workshop. Cutting processes utilize hydraulic, torch and band saw cutting equipment. The machines met the exempt status under Rule 285(2)(l)(vi)B. Particulate wastes discharged in the work area are swept and recycled as products. The steel and aluminum material received at the facility are in shapes of rods, tubes, sheets and angles. Finished shaped products are transported to customers' construction sites.

Inspection Narrative:

I arrived at the facility address on September 27, 2017 at 1505 hours. Purpose of the visit was to conduct a scheduled regulatory compliance inspection of the steel and aluminum fabrication operations. Temperature at the hour was 78 F with wind speed 11 mph coming from the NNW, and humidity was 42%. I met Mr. Thomas Saville, the project manager, who welcomed my visit and assigned me to the foreman to conduct me around the workshop. We did a pre-inspection interview and the manager returned to attend to guests. Mr. Saville informed the company had moved into the building about 2 years ago from a previous River Rouge location. The shop was set up with equipment lined in three aisles. One side of the aisle had steel and aluminum materials awaiting fabrications. The other side of the building had finished steel and aluminum products shaped ready for use in the field. Mr. Saville and I completed the walk-through shop and stopped in a corner for a post-inspection conference. I left the area at 120 hours.

Process Description:

The SWS facility is in the area where other industries operate petroleum based industries. SWS provides metal shaping services for construction industries. The facility has a section for storage of unshaped metals and another section for storage of shaped metals. Machineries are installed in the center aisle sectioned between the materials. Cutting, soldering, bending, bracing and grinding processes are performed in the center zone. Particulates generated from the cutting/finishing operation fall in the work area. Regulatorily, this operation is exempt under Rule 285(l)(vi)(B). Shaped steel and aluminum structures are shipped out to respective construction sites.

Equipment Controls:

The operation does not need add-on controls other than nature of the process itself. The torch-cut

particulates, and the band sawn metal filings generated are not airborne. The grounds fall in the work area. Bandsaws used in the shop utilize water application for cooling. The applied water washes the generated particulates into the drainage groove in the work table, and the water is filtered and returned for further applications (recycled). The metal filings are recycled as products.

Compliance History:

There has not been any complaint attributed to SWS operations in AQD records

Permit # Exempt considerations:

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

(a) The Grinders located inside the building are gravity and wet-controlled by discharging of grindings inside the building. The grinders are exempt per Rule 285 (2)(a)(i).

(b) The portable cutting machines (torch and saws, etc.) with wet control of cuttings. The machines are exempt per Rule 285(2)(a)(j).

Rule 201(1): Facility did not apply for Permit to Install since there is no generated emissions that discharge to the ambient, hence is exempt under Rule 285(2)(l)(vi)B, and Rules 285(2)(a)(i) &(j).

Rule 901: There was no 901 violations at the time of inspection.

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

Compliance Determination:

The inspection of Steel Welding Company located at 11811 Pleasant Street, Detroit concluded the facility operated in compliance with air quality requirements evaluated.

NAME



DATE

9/29/2017

SUPERVISOR

