

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

N066841592

FACILITY: ANCHOR COUPLING INC		SRN / ID: N0668
LOCATION: 5520 13TH ST, MENOMINEE		DISTRICT: Upper Peninsula
CITY: MENOMINEE		COUNTY: MENOMINEE
CONTACT: Steven Graeber , Environmental Health & Safety Associate		ACTIVITY DATE: 08/14/2017
STAFF: Joe Scanlan	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: Scheduled compliance inspection		
RESOLVED COMPLAINTS:		

HISTORY:

Anchor Coupling is a wholly owned subsidiary of Caterpillar and is a major manufacturer and OEM first fit supplier of high quality hydraulic hose assemblies. They use machining, extrusion, brazing, plating, and bending to produce SAE, DIN, and JIS hose and couplings in many different configurations from 1/4" to 4" in diameter. Braided, high-pressure spiral, and Teflon/stainless hoses are available.

INSPECTION:

On 8/14/2017, myself and fellow UP District AQD staff Sydney Bruestle conducted an unannounced inspection of this facility. My contact was Mr. Steven Graeber, Environmental Health & Safety Associate for Anchor Coupling. After donning the appropriate PPE, Mr. Graeber escorted us on a tour of the facility and to inspect the permitted and exempt emission units.

This facility is in the process of replacing their Rack Plating Line & Multiple Purpose Dip Line covered under PTI 18-07. The upgrades include decommissioning the existing Rack Plating and Multi-purpose Dip Lines and installing a new Rack Zinc Electroplating Process (EURACKDIPLINE) which will replace the existing Rack Plating and Multi-purpose Dip Lines. EURACKDIPLINE emissions will be controlled by a ScrubAir Systems model SHS 50,000 CFM horizontal cross flow wet-packed bed fume scrubber to control emissions. The existing 29,000 CFM wet-packed bed fume scrubber currently in place will continue to control emissions from the current Barrel Plating Line, however now it will be this line will be the only source of emissions for the old scrubber. No changes will be made to the composition of the plating process chemicals.

Draft PTI 18-07A became available after my inspection and lists three Emission Units which are combined into one Flexible Group (FGSCRUBBERLINES):

Emission Unit ID	Emission Unit Description (Process Equipment & Control Devices)	Installation Date / Modification Date	Flexible Group ID
EURACKDIPLINE	Rack zinc electroplating process with a hot water heater, a horizontal cross flow wet packed bed fume scrubber and exhaust system, 17 tanks: 970-gallon soak clean, 1380-gallon electro clean, 640-gallon cold water rinse, 640-gallon acid, 640-gallon acid pickle, 640-gallon cold water rinse, two 3600-gallon acid zinc, 640-gallon cold water rinse, 640-gallon hot water rinse, 640-gallon cold water rinse, 640-gallon pre-dip, 640-gallon cold water rinse, 730-gallon trivalent chromate, 640-gallon cold water rinse, 730-gallon topcoat, and 730-gallon rust prevention.	2017	FGSCRUBBERLINES

EUBARRELLINE	Automatic barrel zinc electroplating process with 15 tanks: 290-gallon soak clean tank, 310-gallon electro clean, two 250-gallon cold water rinse, 230-gallon acid pickle, two 250-gallon cold water rinse, 1370-gallon zinc plating, 260-gallon cold water rinse, 230-gallon pre-dip, 260-gallon cold water rinse, 255-gallon trivalent chromate, two 250-gallon cold water rinse, and 255-gallon topcoat.	2007	FGSCRUBBERLINES
EUAIRMAKE1	Two 15,000 cfm, 3,078,000 Btu/hr, natural gas-fired air make-up units to balance pressure drops created by the scrubber.	2017	FGSCRUBBERLINES
Changes to the equipment described in this table are subject to the requirements of R 336.1201, except as allowed by R 336.1278 to R 336.1290.			

EURACKDIPLINE and its associated scrubber and EUAIRMAKE1 are in the process of being installed and neither are currently operating, however they will be operational by the end of 2017. Records of pressure drop across the existing scrubber, flow rate, and pH are collected once per shift. During this inspection it was observed the records were recorded for the shift. At the time of the inspection the pressure drop was 1.8, flow 82.4 gpm, and pH 8.23.

PTI # 685-83 is for the brazing ovens. These are only fired by natural gas. No visible emissions were observed with this operation.

PTI #974-84 for a baghouse collecting tool grinding waste was voided 7/28/2015. This baghouse is much larger than needed and easily handles the particulate generated from the grinding. The canisters are changed once every 2 or 3 years. No fugitive dust was observed around the baghouse.

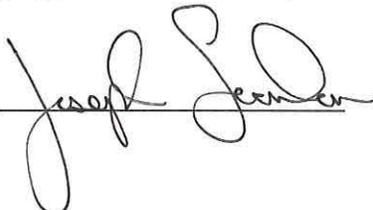
The facility continues to operate 12 cold cleaners. These are all small enough to qualify to the exemption listed in Rule 281 (h). Each unit has a sign posted requiring the lid to be kept closed when not in use.

This facility is not required to report to MAERS.

SUMMARY:

No complaints have been received regarding this facility. As of this writing PTI# 18-07 has been voided as of 9/22/2017 and has been replaced by PTI# 18-07A. PTI# 685-83 remains in place.

No violations of Michigan Air Pollution Control Rules were observed during this inspection and the facility appears to be in compliance with the PTIs issued.

NAME  DATE 9/29/17 SUPERVISOR 