

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

P044829504

FACILITY: POSTLE ALUMINUM		SRN / ID: P0448
LOCATION: 201 N EDWARDS STREET, CASSOPOLIS		DISTRICT: Kalamazoo
CITY: CASSOPOLIS		COUNTY: CASS
CONTACT: Bryan Fehnel, General Manager		ACTIVITY DATE: 05/22/2015
STAFF: Dennis Dunlap	COMPLIANCE STATUS: Compliance	SOURCE CLASS: SM OPT OUT
SUBJECT: Scheduled inspection.		
RESOLVED COMPLAINTS:		

This was not an announced inspection. Bryan Fehnel is the contact person. The inspection brochure was handed out. This facility has opt-out limits for HAP and VOC in PTI 93-13. The facility began operation in March, 2014. The aluminum extrusion operations are exempt by Rule 285(l)(l).

Records were looked at first. The usage records were complete. The following modifications to the recordkeeping are being done: adding Solvent Naphtha Heavy Aromatic; adding 2-(2-Butoxyethoxy) ethanol; adding 12-month rolling time period calculations where required; adding pounds per day calculations where required. The facility is currently using a capture efficiency of 96.4%. However an efficiency value of 99.2% based on the test of 10/28/15 can be used. The facility has just reached a point where 12 months of data is available.

The facility has three separate plants or buildings. Plant 2 contains the coating operation. It also has an aluminum extrusion operation. The extrusion operation consists of a gas-fired oven that heats the aluminum logs to 800-900 degrees. The logs are cut to a certain size. A lube oil is used in this cutting process. An MSDS for the lube will be supplied. There is an inside dust collector for the cutting process. The logs go through a press and a mold and are pulled to the proper size. The parts then go to a tempering oven for 6 hours at 375 degrees. The coating operation in Plant 2 consists of a washer and drying oven. The parts are painted in one of two Ransburg vertical paint booths. The parts go to a cure oven. There is a paint room where coatings are stored and used. The paint room, the coating process, and the cure oven are controlled by an RTO. The temperature on the RTO was reading 1584 degrees. Circular charts were examined back to March, 2015. They showed an RTO temp. of 1500 degrees or above. The permit limit is 1450 degrees. There are high and low temp. alarms for the RTO. The RTO was tested on 10/28/15. It met the capture and destruction efficiency permit requirements. Flex black is the coating color most often used. However there is Duracon black, Duracon white, and two beiges. Xylene is the clean up solvent. Daily coating usage sheets are kept. The coating operation runs 1 shift 6-7 days/week.

Plant 1 contains 3 aluminum presses. Aluminum extruded here is not painted. Aluminum saws are controlled by dust collectors. There is a mold cleaning operation that uses sodium hydroxide. It appears that this process is exempt by Rule 285 (l)(iii). This process vents to the outside air. There is a 1500 gallon storage tank for sodium hydroxide. There is a safety clean degreaser here that is the old style where the lid doesn't close. It was recommended to have it replaced with a newer model.

Plant 3 is a new aluminum extruding building. It contains 1 aluminum press.

There is a separate building for maintenance welding. There are no emergency generators on site.

Mr. Fehnel will email the updated recordkeeping sheets for review. It was recommended that MAERS be filed electronically next year instead of in paper. For MAERS, emissions from fuel burning equipment must be reported if annual throughput is equal to or greater than 50,000,000 cubic feet of natural gas (50 MMCF). Thus, if the RTO meets this criteria, emission from the burning of natural gas should be reported. Likewise, if the heating and tempering ovens meet this criteria they should be reported. In 2014 a throughput of 76.8 MMCF was reported for the whole facility. This should be broken down as to equipment and reported appropriately.

NAME Dennis Dunlap

DATE 5/27/15

SUPERVISOR MOS/07/2015