

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

B147931230

FACILITY: CERTAINTED CEILINGS CORPORATION		SRN / ID: B1479
LOCATION: 200 S MAIN STREET, LANSE		DISTRICT: Upper Peninsula
CITY: LANSE		COUNTY: BARAGA
CONTACT: CHRIS HEIKKINEN , PLANT MANAGER		ACTIVITY DATE: 09/15/2015
STAFF: Ed Lancaster	COMPLIANCE STATUS: Compliance	SOURCE CLASS: SM OPT OUT
SUBJECT: Conducted scheduled, unannounced compliance inspection.		
RESOLVED COMPLAINTS:		

I arrived at the Certainteed security guard station and explained the purpose of my visit. I was directed to proceed to the office and the plant manager, Mr. Chris Heikkinen, would meet me there. While waiting Mr. Scott Kempainen introduced himself as the process engineer and said he would also accompany me on the inspection.

When Mr. Heikkinen joined us he went over the company's safety policy and informed me of what hazards to be aware of during my visit.

Before entering the plant I asked what the three stacks/vents were on the south side of the building. Mr. Heikkinen explained they were the stacks for the three MAC dust collectors. I did not observe any visible emissions from the stacks.

We then entered the plant and walked along the process from the end (shipping warehouse) to the beginning (perlite expansion). The company was issued a revision to their Opt-Out Permit No. 315-01B in November 2014. Mr. Heikkinen informed me the company produces around 15 million square feet of tile per month. After observing the operations of the plant we went to Mr. Kempainen's office to review the records the company is required to keep to determine compliance with their permit. For further review, Mr. Kempainen e-mailed me copies of pertinent records the following day.

Many of the emission units/flexible groups in the permit have the condition that the company shall not process any asbestos tailing or asbestos containing waste material. Mr. Heikkinen informed me that at one time, under previous ownership and before federal rules were enacted, asbestos was a common component in the ceiling tile business, however, it is not used in any of their products.

EU-PERLITE EXPAND: (Also see FG-FACILITY)

This emission unit has three dust collector associated with it, located on the west end of the building, two cyclones (one for each expander) are at ground level and the third, a baghouse to capture the fines, is located on the roof (Special Condition (SC) No. IV.1). I did not observe any visible emissions from these units in compliance SC No. I.3. The company is not required to keep records of their PM and PM10 emission limits (SC Nos. I. 1 and 2), however, their plant-wide PM10 emissions, as reported in their 2015 MAERS, was just over 5 tons. The company has installed gauges to measure the pressure drop across each collector and monitors and records the pressure differential weekly (SC Nos. IV. 2 and VI. 1 -4), see file for spreadsheet.

EU-FOURDRIN&COE: (See FG-COATING AND FG-FACILITY)

EU-BOILER: (Also see FG-FACILITY)

Mr. Heikkinen informed me the company has not used fuel oil to fire the boiler in several years, strictly on natural gas now (SC No.II.1). The company's 2014 source total emissions for SO2 were 293 pounds well within the emission limits of SC Nos. I. 1, 2 and 3, which were established for burning fuel oil. The total NOx emissions were 33.8 tons. According to company records the boilers consume approximately 5% of the natural gas, on a mass balance basis the boilers would have NOx emissions of 3,378 pounds (SC Nos. I. 4 and 5). No visible emissions were observed at the time of the inspection (SC No. I. 6).

EU-MAINLINE: (See FG-COATING, FG-MAC#1, FG-MAC#2, FG-MAC#3, AND FG-FACILITY)

This emission unit was operating with its respective water wash systems installed and operating (SC No. IV. 1).

EUNEWCUSTOMLINE: (Also see FG-COATING, FG-MAC#3, AND FG-FACILITY)

During the inspection the three zone dryer was operating at a temperature of 435 degrees Fahrenheit across all zones in compliance with SC Nos.III.1, and VI.1 and 2. This emission unit was also operating with its respective water wash system installed and operating properly (SC No. IV. 1).

EU-OLDCUSTOMLINE: (See FG-COATING, FG-MAC#1, AND FG-FACILITY)**FG-COATING:**

The company reported 2.6 tons of VOC emissions for 2014 in compliance with their limit in SC No. I.1. The company uses a high solid, latex paint and records indicate the VOC content of all the coatings used are well below the 0.23 pound per gallon limit (SC No.II.1). All waste coatings are properly disposed of per SC No.III.1. VOC content is determined using manufacturer's data and MSDS for the coatings are kept per SC Nos.V.1 and VI.1. Monthly coating records are also kept and were provided when requested (SC No. VI.2).

FG-MACS:

The company reports the annual emissions of the MAC units combined not as individual units. Based on their 2015 MAERS, PM10 emissions were reported as 10,459 pounds and the MACs ran for 7,488 hours (24/7 for 312 days). That equates to 1.4 pounds of PM10 per hour under the emission limits in SC Nos.I.1-3. All three units are fitted with pressure gauges and weekly records are kept per SC Nos. IV and VI.

FG-WHEELABRATOR:

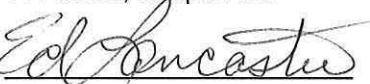
According to Mr. Heikkenen this unit is rarely operated as it is hand operated and therefore the product is very expensive and therefore not much demand for its use. It was not in operation during the inspection.

FG-FACILITY:

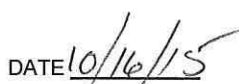
The facility-wide NOx emissions as reported for 2014 were 33.8 tons, well under the 90 ton per year limit in SC No.I.1. Through July 2015 the company's 12-month rolling average natural gas usage was 474,411 MCF, compliant with SC Nos.II.1 and VI.1 and 2.

At the time of the inspection the company was in compliance with their Opt-Out permit and the requirements of 40 CFR Part 60, Subpart Dc.

NAME



DATE



SUPERVISOR _____