

**DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION
ACTIVITY REPORT: Stack Test Observation**

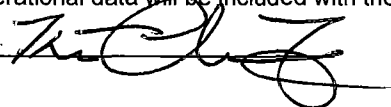
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FACILITY: St. Marys Cement, Inc. (U.S.)		SRN / ID: B1559
LOCATION: 16000 BELLS BAY RD, CHARLEVOIX		DISTRICT: Cadillac
CITY: CHARLEVOIX		COUNTY: CHARLEVOIX
CONTACT: Cortney K. Schmidt, Environmental Engineer		ACTIVITY DATE: 09/18/2014
STAFF: Kurt Childs	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MAJOR
SUBJECT: 2014 CEMS RATA		
RESOLVED COMPLAINTS:		

I attended the 9/18/14 RATA for the main stack SO2, NOx, and CO CEMS, Jeremy Howe and Tom Gasloli were also in attendance. The bypass stack RATA was scheduled for the following day. During the main stack RATA the Roller mill was down, this generally increases SO2 emissions due to the lack of scrubbing provided by the dust in the roller mill. The kiln was burning coal and 2.5 tons per hour of plastic alternative fuel. The weather was partly cloudy to mostly sunny with temperatures in the 50's.

Testing began at 10:00AM and I reviewed plant operations with Mr. Cortney Schmidt. We also discussed some issues remaining from my compliance inspection on 9/10/14 and I obtained some additional records. When we returned to the test trailer we were notified the first test run had to be scrapped due to a calibration failure and the first test had been restarted at 11:30. I left for lunch and to conduct additional compliance inspections in the Charlevoix area then returned to SMC. I again met with Mr. Schmidt and we collected the attached operating data for the test period from 11:30 AM to 3:00PM.

Opacity from the main stack was around 5% which is fairly normal. The kiln feed rate at the time of the RATA was around 325 tons per hour. This is normal with the roller mill down; feed rates are slightly higher with the roller mill up since they are not depending on stockpiled feed materials. Clinker production was around 185 tons per hour which works out to 4440 tons per day. SMC has a production limit of 4840 tons per day so the observed production rate is representative of full production. The operational data will be included with the RATA test report.

NAME  DATE 9-22-14 SUPERVISOR 