

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

B147753004

FACILITY: Holcim (US) Inc. d/b/a Lafarge Alpena Plant		SRN / ID: B1477
LOCATION: 1435 Ford Avenue, ALPENA		DISTRICT: Cadillac
CITY: ALPENA		COUNTY: ALPENA
CONTACT: Travis Weide , Area Environmental & Public Affairs Manager		ACTIVITY DATE: 03/19/2020
STAFF: Kurt Childs	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MAJOR
SUBJECT: EU KILN 20, EU KILN 21 PM CPMS operating parameter retest.		
RESOLVED COMPLAINTS:		

KILN 20 AND EU KILN 21 of FG KG6 on MARCH 19, 2020. I attended the stack testing in conjunction with conducting a Partial Compliance Evaluation of the source. At the time of the test public health concerns and corresponding protective actions were in place due to Coronavirus. I met with Mr. Travis Wiede of Lafarge Alpena, who accompanied me during the test and inspection. Testing was conducted to verify PM emissions and to correlate PM emissions with the output (in milliamps) of the PM CPMS for compliance with PC MACT.

Stack testing was being conducted by Air Hygiene Inc. Due to the current public health situation we did not enter the test trailer. The test for Kiln 20 was underway and proceeding with no issues. Mr. Weide stated that the first test run filter looked good, white with no accumulated material. We did speak with Air Hygiene personnel from outside the trailer who confirmed testing status. The Kiln 20 test took place in the morning and the Kiln 21 test was completed in the afternoon.

following the test Mr. Weide provided the information below regarding test run times, clinker production, and CPMS output:

Unit	Component	Run	Date	Start	Stop	Time Sync
K20	Preliminaries	K20-PM-V1	03/19/20	12:10:00	12:23:00	DAHS
K20	Particulates	K20-PM-1	03/19/20	13:17:00	14:20:00	DAHS
K20	Particulates	K20-PM-2	03/19/20	14:30:00	15:34:00	DAHS
K20	Particulates	K20-PM-3	03/19/20	15:48:00	16:53:00	DAHS

Kiln 20 -

Run	Clinker	mA Avg
1	43.80	4.157
2	48.74	4.161
3	46.24	4.151

Unit	Component	Run	Date	Start	Stop	Time Sync
K21	Preliminaries	K21-PM-V1	03/19/20	6:20:00	6:38:00	DAHS
K21	Particulates	K21-PM-1	03/19/20	6:55:00	8:06:00	DAHS
K21	Particulates	K21-PM-2	03/19/20	8:28:00	9:34:00	DAHS
K21	Particulates	K21-PM-3	03/19/20	9:50:00	10:57:00	DAHS

Kiln 21 -

Run	Clinker mA	Avg
1	54.02	4.214
2	54.80	4.215
3	55.07	4.212

Clinker production was greater than 50% of maximum operation and the mA data will be used to calculate an operating limit for the PM CPMS.

At the time of the test the weather was overcast, temperature of 38 degrees F and light winds from the southeast. Observations of the stacks did not indicate any visible emissions (there was a slight yellowish plume from the K19 stack). noted that the water vapor plume was rising almost vertically with no visible emissions.

NAME  _____

DATE

SUPERVISOR 