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December 2, 2015

Ms. Gloria Torello
Michigan DEQ, AQD
2100 W. M-32
Gaylord, MI 49735

RE: Violation Notice, Stack Testing 2015

Dear Ms. Torello:

This letter is in response to the Violation Notice addressed to Mr. Paul Rogers, Lafarge Midwest Inc.; dated November 12, 2015. The notice references the following four individual permit conditions with alleged violations;

1. Reporting - A complete report of the test results shall be submitted to the AQD within 60 days following the last date of the test.
2. Notification - No less than 60 days prior to testing, a complete test plan shall be submitted to the AQD. The final plan must be approved by the AQD prior to testing.
3. HCL Testing - The permittee shall test the HCl and chlorine gas emissions from the kilns while burning plastics and shingles.
4. Certification -- Any document required to be submitted to the AQD as a term or condition of the ROP shall contain an original report certification signed by a responsible official.

Below you will find discussion with respect to each of the referenced permit conditions and alleged violations following the section breaks identified by the underlined key word.



Reporting:

- "A complete report of the test results shall be submitted to the AQD within 60 days following the last date of the test."

RATA, PM, HCI and THC CEM performance testing results were reported in a series of three (3) separate test reports. One report encompassing all aspects of the 2015 performance testing was determined as not feasible to assemble due to size. The test results were divided into three (3) separate reports based on the test protocols submitted and the verbal discussions with MDEQ personnel during the test and subsequent phone discussions. Report #1 included the Relative Accuracy Test Audit results, Report #2 included the PC NESHAP/NESHAP compliance report and Report #3 contained the combined PM-HCI report.

In considering the allegation that all reports were not submitted in the time frame required by the permit, it has been determined that Reports 1 and 2 were submitted on time with respect to this condition and this does not constitute a violation. Report 3 was received by MDEQ on October 22, 2015, which is beyond the 60 day reporting. The reason for the delay was that the contractor did not submit the draft report for review until October 17. The contractor has been notified of their failure and a discussion with regard to our expectations has been conducted to avoid reoccurrence.

Below you will find comments and discussion to support the determination that test Reports 1 and 2 were submitted within the 60 day requirement. In addition, you will find an attached spreadsheet that summarizes the stack tests conducted and relevant dates associated with completion and submittals. Please note that language cited from the original violation notice has been italicized and comments are in the color blue.

Report 1- received September 21, 2015.

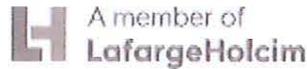
- *Kilns 19, 20, 21, 22, 23 Relative Accuracy Test Audit (RATA)*
 - *The RATA was completed between July 15-19, 2015.*

An electronic version of the RATA report for Kilns 19, 20, 21, 22, 23 was transmitted on 9/18/2015 and three hard copies were sent via FedEx on 9/18/2015. A receipt of delivery to MI DEQ was posted on 9/21/2015.

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Report 2- received October 28, 2015

- *Clinker Coolers 19, 20, 21 particulate matter (PM) testing.*
 - *The test dates included July 21, 2015 and September 3, 2015.*

The original test conducted on July 21, 2015 did not return results that met the PC NESHAP standard (but did meet State permit conditions.) A retest was scheduled for and conducted on September 3, 2015. An electronic version of the PC NESHAP report was transmitted on 10/27/2015 and three hard copies were sent via FedEx. A receipt of delivery to MI DEQ was posted on 10/28/2015 at 11:44 AM. The submittal timing was determined to be 60 days from the last date tested per discussion with Mr. Rob Dickman. The deadline thus would have been Nov. 3rd.

- *Clinker Coolers 22, 23 PM testing.*
 - *Test dates included July 19, 2015 and August 12, 2015.*

The sixty (60) day reporting deadline was discussed via a phone conversation between AECOM and Mr. Rob Dickman on 9/14/15. The interpretation of the discussion was that the reporting deadline was sixty (60) days from the retest date of 08/12/2015. This rescheduled stack test for Kiln 23 clinker cooler was required because that kiln went offline during the initial test scheduled for 07/20/2015.

- *Raw Mills 14 and 15 Total Hydrocarbons (THC) continuous emission monitor (CEM) performance test.*
 - *Testing was in July 2015.*

As discussed via a phone conversation between AECOM and Rob Dickman of DEQ AQD on 9/14/15 the Total Hydrocarbon (THC) test would be included in the same PC NESHAP report that was delivered via FedEx on 10/28/2015 to MI DEQ. A separate report was not necessary per that discussion since this was a PC NESHAP requirement and reporting these results in conjunction for consistency.

Notification:

- *“No less than 60 days prior to testing, a complete test plan shall be submitted to the AQD. The final plan must be approved by the AQD prior to testing.”*

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- *Lafarge did not submit a test protocol or notify the AQD of the September 3, 2015 PM re-test of Clinker Coolers 19, 20, 21. The AQD was not given the opportunity to observe the emission testing pursuant the ROP. The AQD is not obligated to accept the results of this testing for compliance purposes.*

For the retest of particulates on the Kiln Group 5 Clinker Coolers EUCLINKCOOL19, EUCLINKCOOL20, and EUCLINKCOOL21 (Re-test of "92 and 93"); this testing followed the original test plan that was approved. Since the retest was conducted less than 60 days after the previous test, there was no opportunity to provide 60 days notice.

It is believed that this will not reoccur as Lafarge personnel have demonstrated adequate notification practices for previous and subsequent testing since the date of testing referenced within this notice. In addition, the testing contractor has been made aware that notification is required for rescheduling.

HCL Testing:

- In response to the third condition, "*The permittee shall test the HCl and chlorine gas emissions from the kilns while burning plastics and shingles.*"
 - *Enclosed is page 2-1 from all of the kilns' HCl test results. The results include fuel used during HCl testing. The HCl results show testing while burning plastics and/or shingles in kilns 21, 22, and 23 did not occur. The approved test plan included burning plastic and shingles during HCl testing.*

The observation made on Page 2-1 is the result of a data entry error by the contractor assembling the report. A review of the production data did indicate that plastics were fired in both Kilns 22 and 23 during the HCl retest on 8/13/2015. Lafarge in conjunction with AECOM altered the field test schedule of the Kilns 19, 20, and 21 to account availability of plastic and shingles for use in the kiln. Lafarge made the choice not to test Kiln 21 with shingles but only with plastics (as allowed by the ROP permit) due to an insufficient feed stock. Actual operating conditions were disclosed on-site to MI DEQ inspectors during the HCl testing. Lafarge does not believe a actions with respect to this conditions constitute a violation.

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Certification:

- In response to the third condition, "Any document required to be submitted to the AQD as a term or condition of the ROP shall contain an original report certification signed by a responsible official."
 - Lafarge did not include an original EQP 5736 Renewable Operating Permit Report Certification form signed by a responsible official with any of the test results.

A signed original EQO 5736 Renewable Operating Permit Report Certification form signed by the responsible official was submitted after the submittal of the test reports in early November. Current personnel have been made aware of the requirement and the testing contractor has been notified that original signed certification forms are to be provided with each ROP submittal.

If you have any questions regarding this, please contact me at 989-358-3321.

Respectfully,

Lafarge Midwest Inc.



Travis B. Weide
Area Environmental & PA Manager

cc: Paul Rogers, Lafarge

Enclosure: As described within

Lafarge - 2015 Stack Test Submittal Summary

Report 1 - Annual RATA

Test	Completed	Due Date	Submitted Electronically	Signed Receipt
Kiln 19	7/18/2015	9/18/2015	9/18/2015	9/21/2015
Kiln 20	7/17/2015			
Kiln 21	7/19/2015			
Kiln 22	7/16/2015			
Kiln 23	7/15/2015			
KG6 WGS	7/14/2015			

Report 2 - PC NESHAP Initial Compliance Testing (Cooler PM / Raw Mill THC)

Test	Completed	Due Date	Submitted Electronically	Signed Receipt
RM 14 THC	7/22/2015	11/3/2015	10/27/2015	10/28/2015
RM 15 THC	7/22/2015			
CC KG5 PM	9/3/2015			
CC 22 PM	7/20/2015			
CC 23 PM	8/12/2015			

Report 3 - Annual PM & HCL Testing

Test	Completed	Due Date	Submitted Electronically	Signed Receipt
PM	7/20/2015	10/13/2015	10/19/2015	10/22/2015
HCL	8/13/2015			