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

N574629480

FACILITY: LAFARGE MIDWEST INC.		**SRN / ID:** N5746
LOCATION: 900 N ADAMS RD, ZILWAUKEE		**DISTRICT:** Saginaw Bay
CITY: ZILWAUKEE		**COUNTY:** SAGINAW
CONTACT: Brian Allred , Site Manager		**ACTIVITY DATE:** 05/21/2015
STAFF: Gina McCann	**COMPLIANCE STATUS:** Compliance	**SOURCE CLASS:** SM OPT OUT
SUBJECT: FCE inspection for PTI 192-05. glm		
RESOLVED COMPLAINTS:		

I (glm) performed a scheduled inspection at the Lafarge Midwest Terminal in Zilwaukee. Ms. Sharon LeBlanc and I met with Mr. Robert Budnik, Area Environment and Public Affairs Manager, Brian Allred, Terminal Manager and Mr. Bob Jurek, Facility Operator. At the time of the inspection the facility was in compliance with its permit and the air rules.

Lafarge Midwest is a Portland cement manufacturer and distributor. The production plant is located in Alpena, Gaylord District Office. The Zilwaukee site (N5746) is a portland cement storage facility, i.e. flat storage, consisting of the following emission units; an approximately 75,000 sq ft warehouse (EU-Cement Off-Loading) which can hold approximately 32,000 short tons, a 300 ton storage bin (EU-Storage Bin), a cement bulk truck loading operation (EU-Bulk Truck Loading) and truck traffic for the receiving and delivery of cement products (EU-Truck Traffic).

This site was built in response to the building of the Zilwaukee Bridge. EU-Cement Off-Loading was used to house pillars that now support the bridge. The site has since evolved into a flat storage/distribution plant.

Rail cars or trucks deliver material which is then pneumatically transferred to storage inside the building (EU-Cement Off-Loading) or the 300 ton cement storage silo used for loading bulk trucks (EU-Storage Bin). The rail tracks unloading, which is controlled by a fabric filter baghouse and is located along the eastern edge of the property, has not received material in approximately 2 years. Instead the material is delivered via trucks and pneumatically transferred to storage. The north end of the building has three inlets and the south side has two inlets. The north side only utilizes two of the inlets as the third is near the fan/exhaust housing and has the potential to be damaged by a truck driver that is not cautious.

PM emissions are controlled by a 255-cartridge collector system on the EU-Cement Off-Loading and fabric filter baghouses on EU-Storage Bin as well as on EU-Bulk Truck Loading. The collectors are turned on manually prior to an unloading or fill. At the time of the inspection there was no activity and the collectors were turned off. Magnehelic for EU-Cement Off-Loading are inside the unit which is considered a confined space and we did not enter. We viewed the magnehelic for EU-Storage Bin and discussed operating procedures. All magnehelic on site operate optimally between 2-5 inches of water column ("W.C.). Differential pressure outside of this range initiates an inspection. The system is shutdown to prevent a larger problem and then visually inspected to determine the cause.

EU-Bulk Truck Loading is equipped with a scale which determines material throughput for the unit. This data along with received data is passed along to Mr. Budnik whom generates the annual MAERS report. The source reported 0.73 tons of PM for 2014 and 1.13 tons for 2013.

PTI 192-05 requires recordkeeping of fugitive dust control measures as well as a maintenance log of baghouse preventative maintenance. The facility had more than 5 years of records and I viewed them from 2010 through current. Mr. Jurek performs maintenance and maintains appropriate and complete records. Mr. Allred noted replacement of all cartridges in 2013 for EU-Cement Off-Loading. The facility retains one extra cartridge on site and 2 extra bags each for EU-Bulk Truck Loading and EU-Storage Bin totaling 4 bags.

EU-Truck Traffic requires a fugitive dust plan which includes controlling dust on the site roadways/plant yard by applications of water, calcium chloride or other acceptable and approved fugitive dust control compounds. The application of dust suppressants shall be done as often as necessary to limit opacity to 5 percent. The majority of the site is gravel. There is cement pads located on both ends of EU-Cement Off-Loading. The facility does not have access to a sweeper, but maintains pads and scale with

a push broom. Records indicated chloride treatment of 1500 gallons on August 2, 2013 to the yard. The Department has never received complaints regarding fugitive dust and therefore considers the applications are done as often as necessary to maintain compliance.

At the time of my inspection the facility was in compliance with PTI 192-05 and applicable air quality regulations.

CC: Sharon LeBlanc, AQD

Robert Budnik, Lafarge

Brian Allred, Lafarge

NAME [signature] DATE 5/22/15 SUPERVISOR [signature]