UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604

DATE: NOV 29 2014

SUBJECT: CLEAN AIR ACT INSPECTION REPORT
Holcim, Inc.- Chicago, Illinois

FROM: Patrick Miller, Environmental Engineer
AECAB (MN/OH)

THRU: Brian Dickens, Section Chief
AECAB (MN/OH)

TO: File

ATTACHMENTS: None

Facility: Holcim, Inc. (Holcim)- Chicago Skyway Facility

Location: 3020 East 103rd Street, Chicago, Illinois 60617

Date of Inspection: September 5, 2014

EPA Inspectors:
Patrick Miller, EPA, Environmental Engineer
Linda Rosen, EPA, Environmental Engineer

Facility Attendees:
Andy Hixson, Plant Manager, Holcim
Joel Bolduc, Environmental Compliance Manager, Holcim

Purpose of the Inspection:
The purpose of the inspection was to observe barge and truck loading operations and Holcim's compliance with the Clean Air Act (CAA) in follow up to the previous August 27, 2014 inspection.

Arrival and Opening Conference:
Mr. Miller and Ms. Rosen of the EPA arrived at the facility at 9:35 AM. Mr. Hixson greeted EPA and led EPA to the conference room. EPA was introduced to Joel Bolduc, an environmental compliance manager for Holcim. EPA presented credentials to Mr. Hixson and Mr. Bolduc and explained that the inspection was to observe the barge and truck loading operations. EPA indicated to Mr. Bolduc that the inspection was coordinated with Mr. Hixson whereas the August 27, 2014 inspection was unannounced.

Overview of Company:
Mr. Bolduc explained that Holcim, Inc. has (9) cement plants and (3) grinding/kiln operations company-wide. The Chicago Skyway Facility is one of the smaller and simpler facilities. There are a total 22 employees at this facility including 2 employees in charge of barge and truck loading during the day shift. The corporate headquarters is located in Bedford, Massachusetts. Mr. Hixson and Mr. Bolduc provided the following information related to the process discussion and facility walk-through.

Process Discussion:
Barges are loaded at the dock (Figure 1). There is only enough room at the dock for one barge. The finished product is delivered from the storage silos via a bucket elevator and enclosed conveyor to the barge loading station. The finished product is loaded into the barge via a loading spout (Figure 2). The loading spout consists of an inner spout and an outer spout. The finished product passes through the inner spout and into the barge while the outer spout draws in air to control any potential emissions (Figure 3). The air is drawn through cartridge filters on top of the barge loading station. The finished product is weather sensitive and during loading only one cover is removed from the barge at a time. It takes about 8 hours to fill one barge and each barge contains 1,500 tons of finished product.

Trucks are also used to ship finish product. The truck loading area is located directly beneath the storage silos. The finished product is dispensed through a loading spout similar to the barge loading spout (Figure 4). Truck loading is controlled by a cartridge filter system as well.

Facility Walk-Through
The facility walk-through began around 9:50 AM and focused only on the barge and truck loading operations (Figures 1-4). The barge loading began at 6:30 AM.

Figure 1 Barge loading station

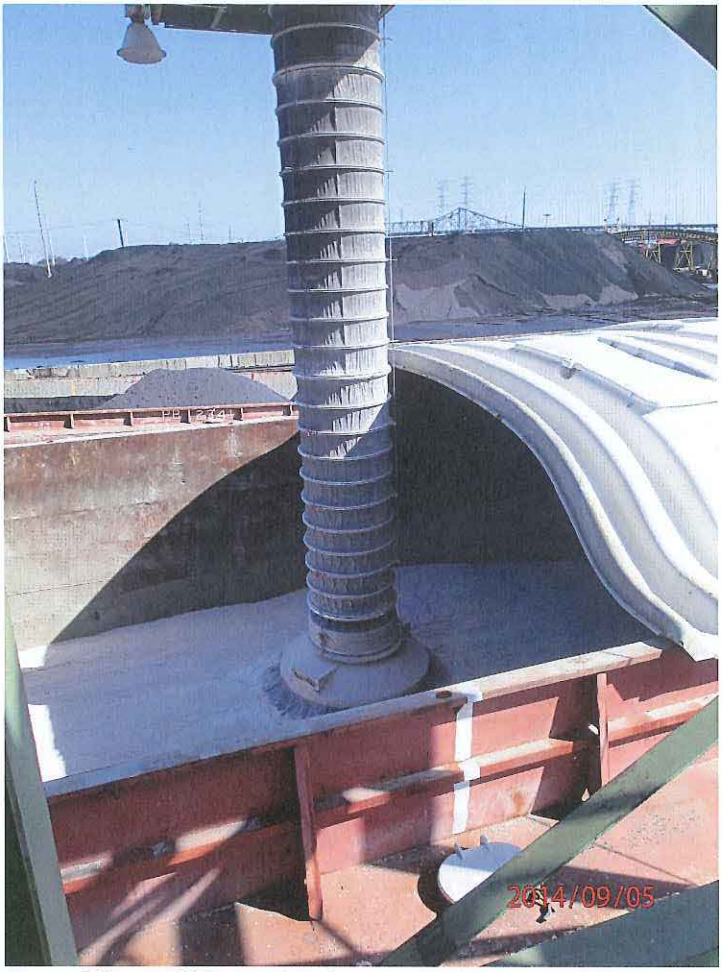

Figure 2 Barge loading (with spout pictured)

Figure 3 Barge loading spout (close up)

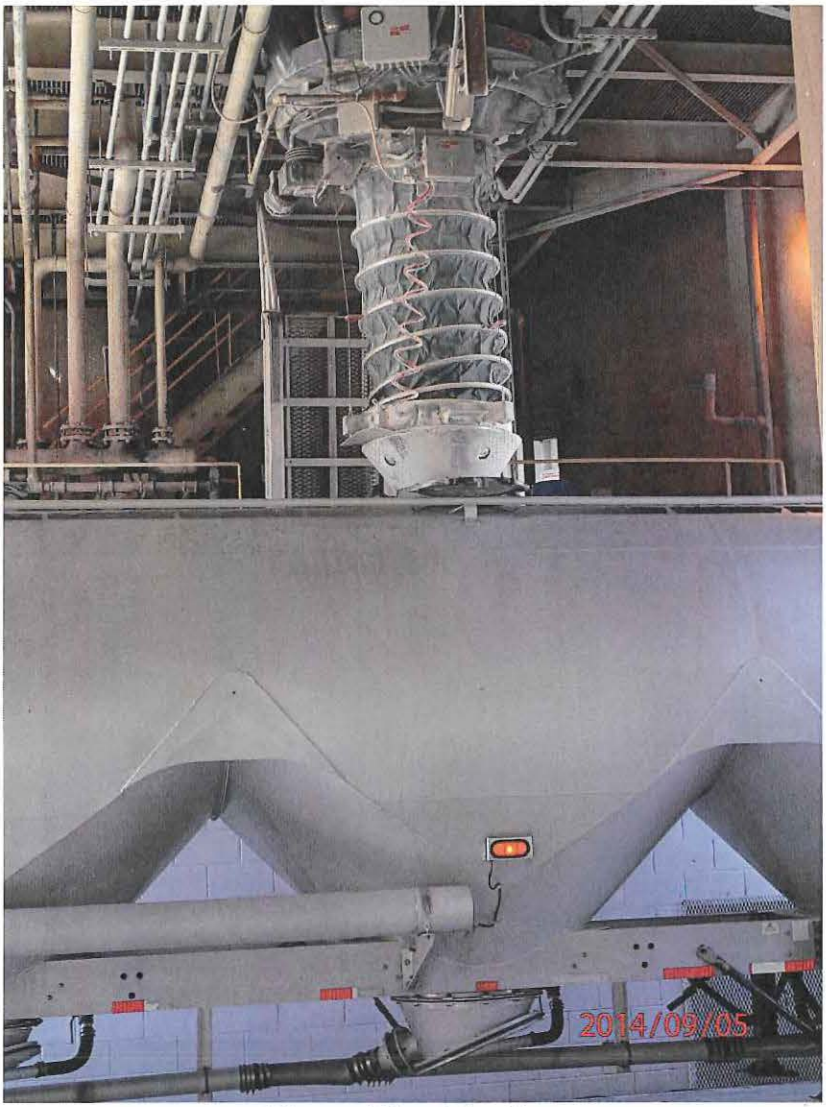

Figure 4 Truck loading

The facility walk-through ended at 10:45 AM.

Closing Conference:
After the facility walk-through, EPA asked Mr. Bolduc to explain the bag leak detection system installed on several baghouses at Holcim. Mr. Bolduc explained that the systems operate on the same principle as continuous opacity monitoring systems (COMS) however they are not certified to read opacity as a typical COMS. The recent spikes Holcim has seen are related to the bag leak detection system performing calibration checks.

EPA left digital copies of the (15) pictures and (1) video taken during the facility walk-through with Mr. Hixson. EPA explained that an inspection report would be drafted documenting the inspection today. Mr. Hixson confirmed that nothing discussed or seen during the inspection was considered confidential business information.

The inspection ended at 11:00 AM.

Standard bcc's: Official file copy w/attachment(s)

Other bcc's:

Creation Date:	November 10, 2014
Filename:	C:\Users\pmille02\Documents\EPAWork\Projects\Holcim Inc\Holcim Barge Loading 09052014\Holcim Follow Up Inspection Report 09 05 2014.docx
Legend:	ARD:AECAB:AECAS(MN/OH): P. Miller