

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

B329127071

FACILITY: GIBRALTAR NATIONAL CORP / QUIKRETE DETROIT		SRN / ID: B3291
LOCATION: 8951 SCHAEFER, DETROIT		DISTRICT: Detroit
CITY: DETROIT		COUNTY: WAYNE
CONTACT: Jason Plank , Plant manager		ACTIVITY DATE: 05/30/2014
STAFF: Jill Zimmerman	COMPLIANCE STATUS: Compliance	SOURCE CLASS: SM 208A
SUBJECT: Target Inspection		
RESOLVED COMPLAINTS:		

DATE OF INSPECTION : May 30, 2014
 TIME OF INSPECTION : 11:30 am
 LEVEL OF INSPECTION : II
 NAICS CODE : 327999
 EPA POLLUTANT CLASS : PM
 INSPECTED BY : Jill Zimmerman
 PERSONNEL PRESENT : Jason Plank, Plant Manager
 FACILITY PHONE NUMBER : 313-491-5610
 FACILITY FAX NUMBER : 313-491-5613

FACILITY BACKGROUND

Gibraltar National Corporation (GNC) Quikrete manufactures ready mix concrete and mortar, operating as a supplier to home improvement stores. GNC operates an aggregate dryer that prepares the aggregate for the mixing and bagging operation. The facility began operating at this location in 1960. Currently the facility is operating two shifts per day, five days per week.

COMPLAINT/COMPLIANCE HISTORY

No complaints have been received regarding this facility.

OUTSTANDING LOVs

No Letters of Violation have been issued regarding this facility since the last time the facility was inspected, which was on April 20, 2009.

PROCESS EQUIPMENT AND CONTROLS

Wet sand of approximately 6% moisture is fed via a wet feed hopper to a bucket elevator. The elevator discharges into the inlet side of a counter-flow rotary kiln drier. The dust laden exhaust gas is ducted into a pulse jet baghouse. The bags are visually inspected about every other week, replacing any damaged bags. All of the bags are replaced about every 7 or 8 months.

GNC also bags bulk amounts of salt and gravel into smaller bags. The raw materials are stored in silos and are gravity feed.

INSPECTION NARRATIVE

I arrived at the facility at 11:30 am, and met with Mr. Jason Plank, Plant Manager. Together we discuss operates at the facility. Mr. Plank has been employed with the company for about one year. Mr. Plank was concerned about the MAERS since this was the first year that he completed it.

After Mr. Plank explained the operates at the facility, and we discussed the permit and

recordkeeping requirements, we walked through the facility to observe the equipment operating.

APPLICABLE RULES/PERMIT CONDITIONS

The facility is currently operating under Wayne County Permits C-11033, C-11034 and C-11035 for the installation of a wet scrubber for calcium chloride bagging stations and the installation of a sand dryer with a baghouse dust collector. These permits were issued on March 18, 1996. The special conditions for these permits are:

Calcium Chloride Bagging Stations

The facility no longer performs calcium chloride bagging at this location. This equipment has not been used in more than a year and there are no plans to use this equipment in the future.

Sand Dryer

25. Compliance – MAERS report shows NOx emissions were less than the permitted limit.
26. Compliance – No visible emissions were observed during the onsite inspection.
27. Compliance – The dust collector was installed and operating properly during the onsite inspection.
28. Compliance – No modifications have been made to the stack.
29. Compliance – Equipment operated less than 3640 hours during the previous year.
30. Compliance – The facility processed less than 65,000 tons during 2013, which is less than the permitted limit.
31. Compliance – During the onsite inspection, no VE were observed.
32. Compliance – The facility emitted less than 2 tons PM during 2013.
33. NA – No stack tested is needed at this time.
34. Compliance – No VE from the roadway were observed during the onsite inspection.
35. Compliance – The fugitive dust plan appears to be followed properly.
36. Compliance – Fugitive dust records are maintained onsite and were reviewed during the onsite inspection.

MAERS REPORT REVIEW

The MAERS for 2013 were submitted and reviewed. The MAERS was received on April 15, 2014. I reviewed the report on April 17, 2014. All emission calculations appear to be accurate.

FINAL COMPLIANCE DETERMINATION

Gibraltar National Corporation appears to be operating in compliance with all state and federal regulations as well as all permit conditions.

NAME J. C. Zuma

DATE 10/28/14

SUPERVISOR W. M.