

H6483
MAWTR

DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION
ACTIVITY REPORT: On-site Inspection

H648363999

FACILITY: SUPERIOR MATERIALS LLC		SRN / ID: H6483
LOCATION: 20565 HOOVER STREET, DETROIT		DISTRICT: Detroit
CITY: DETROIT		COUNTY: WAYNE
CONTACT: Mike Kroon , Area Manager		ACTIVITY DATE: 09/22/2022
STAFF: Gerald Krawiec	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: On-site Inspection for FY2022		
RESOLVED COMPLAINTS:		

AQD On-site Inspection, September 22, 2022.

AQD staff conducted an On-site Inspection for FY 2022 of Superior Materials, located at 20565 Hoover Street in the City of Detroit. The purpose of the inspection was to determine the facility’s compliance with applicable state and federal air pollution rules and regulations, and AQD’s PTI 137-18. The new Area Manager, Mike Kroon accompanied AQD staff during this inspection.

BACKGROUND:

Since 1987 there has been a dry mix concrete batch plant at this location. The facility is located on a 1.95-acre parcel of land. Located near the intersection of Hoover and 8-Mile Roads in the City of Detroit. Originally Cornillie Fuel & Supply, Inc. operated a Concrete Batch Plant with 2 Auxiliary Dust Collectors since January 1987.

In the year 2000, Superior Materials purchased and continued the operation of this facility designating it Plant #2. In August 2018, Superior Materials applied for a PTI and on October 17, 2018, was issued an Operating Program (PTI No. 137-18). The purpose of this PTI is to describe the tools and methods used to control fugitive dust emissions in accordance with Section 5524 of the Natural Resources and Environmental Protection Act, being MCL 324.5524, *Fugitive dust sources or emissions*.

This facility was last inspected by AQD on September 15, 2021. At that time, the facility was determined to be operating in compliance.

PROCESS DESCRIPTION:

The process has not changed since the last inspection.

OPERATING SCHEDULE:

Superior Materials Plant #2 aka the Hoover Plant, operates on an as-needed basis only. A review of the company’s production records confirms intermittent operation.

Only two employees are required to run the plant plus truck drivers. A review of 2021 and 2022 production records confirm part-time operations.

INSPECTION NARRATIVE:

AQD staff conducted surveillance at this Site on 6/3/22, 6/17/22, 7/12/22, 8/11/2022, and 9/8/22, sometimes the gates were open. However, on August 11, 2022, the gates were open, the sprinkler system was in operation wetting the storage piles and a street sweeper was cleaning Hoover Street. Although, I was not prepared to conduct an inspection, I drove onto the site and contacted the Plant Operator, Randy. He called Mike Kroon and Mike had no problem allowing me to tour the site and take photos. When I asked to view the production

records, Randy was unsure if he could do that. I stated that I would contact Mike Kroon and schedule another site visit to review the records. I also explained this on-site visit would be consider a partial inspection.

I contacted the Area Manager, Mike Kroon and scheduled a follow-up inspection to review the records on September 22, 2022. I also requested copies of the 2021 and 2022 concrete production records, air permit required compliance and maintenance logs, and fugitive dust control logs.

On September 22, 2022, I met Mike Kroon and other staff at the plant. Mike brought copies of all the records that I needed to complete the inspection. I will review these records, and logs off-site. The plant is not operating today. There was only plant maintenance work being done.

POST INSPECTION:

Upon closing this inspection, I thanked Mr. Kroon for making copies of the records available. I stated that I will be reviewing the company records off-site. If I have any questions or issues, I will be in contact with him.

OFF-SITE RECORDS REVIEW:

The concrete production records were reviewed for January – December 2021 and the total production was 77,118 cubic yards. Copies are attached and demonstrate compliance. The concrete production records were reviewed for January – August 2022 and production is 33,303 cubic yards. Copies demonstrate compliance and are attached.

Records of yard sweeping, dust suppressant application, and stockpile watering for the past 12-months through September 2022 demonstrate compliance (random samples attached).

Records of source-wide Fugitive Dust and sediment track-out routine inspections for the past 12-months through September 2022 demonstrate compliance (random samples attached).

EMISSIONS:

Potential emissions from the storage and handling of aggregate materials and dust emissions from paved and unpaved roads were calculated by the company. Per AQD's PTI 137-18, the particulate emissions were below major source thresholds. The PTE for controlled PM10 emissions is calculated to be 5.97 tpy based on a material throughput of 200,000 cubic yards per year. The material throughput for the year 2021 was 77,118 cubic yards, and for the year 2022 from January - August is 33,303 cubic yards.

COMPLIANCE DETERMINATION:

Based on this plant inspection and the review of the conditions of Superior Materials Operating Program (PTI No. 137-18). Superior Materials Plant #2 aka; the Hoover Plant is operating in compliance with applicable air quality rules and regulations.

NAME

B. G. Krawiec

DATE

6/3/24

SUPERVISOR

JK