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

B876369107

FACILITY: SUPERIOR MATERIALS LLC		SRN / ID: B8763
LOCATION: 8911 W. JEFFERSON, DETROIT		DISTRICT: Detroit
CITY: DETROIT		COUNTY: WAYNE
CONTACT: Mike Kroon , Area Manager		ACTIVITY DATE: 09/27/2023
STAFF: Gerald Krawiec	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: FY2023 on-site inspection		
RESOLVED COMPLAINTS:		

**AQD inspection September 27, 2023**

AQD staff conducted a Scheduled Inspection for FY 2023 of Superior Materials Plant #32, is located at 8911 West Jefferson Avenue 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 138-18. New Area Manager, Mike Kroon accompanied AQD staff during this inspection.

**BACKGROUND:**

In August 2018, Superior Materials applied for a PTI and on October 17, 2018, was issued an Operating Program (PTI No. 138-18). 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 22, 2022. At that time, it was determined to be operating in compliance. There is no history of citizen complaints.

**PROCESS DESCRPTION:**

The process has not changed since the last inspection.

**OPERATING SCHEDULE:**

Same as the last inspection

**INSPECTION NARATIVE:**

AQD staff has conducted surveillance on many occasions while in this area conducting inspections of nearby sources. Visible emissions have not been observed. However, on occasion track-out from the transit mixer trucks onto Jefferson has been observed. Usually a phone call to the plant resulted in a street sweeper cleaning the roadway.

I contacted the Area Manager, Mike Kroon and scheduled this inspection for September 27, 2023. I also made a request of Mr. Kroon, to make copies of the 2022 and 2023 concrete production records, air permit required compliance and maintenance logs, and fugitive dust control logs. I wanted copies that I can take with me to review off-site.

AQD staff and Mike Kroon, toured inside the plant observing operations and the conditions of the baghouses and other operating equipment. The ductwork was all in good condition, no leaks. After the indoor inspection, we drove around the site in Mike's truck. At the time of this inspection, the sprinklers (garden type) were in use wetting the sand and aggregate piles located in bins along Jefferson. The paved roadways have been swept and unpaved roadways had been treated. There was no dirt tracked out onto Jefferson, this had been observed occasionally in the past.

This facility also has the City of Detroit required license regarding piles and fugitive dust. Two City of Detroit inspectors conducted an inspection of the site about 2 months ago.

**POST INSPECTION:**

Mike informed me that this plant is scheduled for replacement later this year. The plan is to demolish this plant and build a state-of-the-art plant with all paved roadways and a truck wash. At 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 2022 and the total production was 110,903 cubic yards. Copies are attached and demonstrate compliance. The concrete production records were reviewed for January – August 2023 and production is 76,176 cubic yards. Copies demonstrate compliance and are attached.

Records of yard sweeping, dust suppressant application, and stockpile watering for the past 12-months through August 2023 demonstrate compliance (random samples attached).

Records of source-wide Fugitive Dust and sediment track-out routine inspections for the past 12-months through August 2023 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 138-18, the particulate emissions were below major source thresholds. The PTE for controlled PM10 emissions is calculated to be 3.76 tpy based on a material throughput of 200,000 cubic yards per year. The material throughput for the year 2022 was 110,903 cubic yards, and for the year 2022 from January - August is 76,176 cubic yards.

**COMPLIANCE DETERMINATION:**

Based on this plant inspection and the review of the conditions of Superior Materials Operating Program (PTI No. 138-18). Superior Materials Plant #32 aka; the Jefferson Plant is operating in compliance with applicable air quality rules and regulations.

NAME BG Klawns

DATE 6/3/24

SUPERVISOR JK