

M4112
MAWILADEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION
ACTIVITY REPORT: Scheduled Inspection

M411255286

FACILITY: Detroit Ready Mix Concrete, Inc.		SRN / ID: M4112
LOCATION: 9189 CENTRAL ST, DETROIT		DISTRICT: Detroit
CITY: DETROIT		COUNTY: WAYNE
CONTACT: Bunky Wheatley, President		ACTIVITY DATE: 08/28/2020
STAFF: Gerald Krawiec	COMPLIANCE STATUS: Compliance	SOURCE CLASS: Minor
SUBJECT: Scheduled Inspection for FY20		
RESOLVED COMPLAINTS:		

AQD On-site Inspection, August 28, 2020.

AQD staff conducted an On-site Inspection for FY 2020 of Detroit ready Mix Concrete Inc., located at 9189 Central 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 32-19. Bunky Wheatley, President, accompanied AQD staff during this inspection. This is a scheduled inspection due to the current health concerns of Covid-19.

BACKGROUND:

Since 1992 there has been a dry mix concrete batch plant at this location. The facility is located on a 4.32-acre parcel of land. Located on Central between Joy Road and W Chicago in the City of Detroit. Wayne County permits C-9666, C-9667, and C-9923 were issued on September 25, 1992, for a concrete batch plant, cement bin filter vent dust collector, and truck loading baghouse dust collector.

In February 2019, Detroit Ready Mix Concrete Inc. applied for a PTI and on March 25, 2019, was issued an Operating Program (PTI No. 32-19). 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*.

PROCESS DESCRIPTION:

The primary industrial activity at this site is the production and distribution of pre-mix batch concrete. Aggregates are delivered to the site by truck. There are several 3-sided bins where trucks unload the raw materials. Raw materials are separated into the bins by aggregate size, there is also a sand pile. There is a water spray system directed at these bins, and sand pile that is used when needed to control dust. This system may also be used to control raw material moisture content when needed. Front-end loaders are used to load construction aggregates from storage bins and stockpiles into the concrete plant feed hopper. Cement, fly ash, and slag are delivered to the site by truck and pneumatically conveyed into a designated storage silo. These products are stored in 3 separate silos, emissions from each of the silo is controlled by a baghouse located at the top of the silo (3 baghouses).

Concrete production at the source is on a batch mixing basis, where aggregates, cement, additive chemicals, and water are conveyed directly into a concrete mixer/hauling truck aka transit mixer. Emissions from this truck loading operation are also controlled by a separate baghouse. The actual mixing of the product is completed in the transit mixer while traveling to the customers jobsite.

OPERATING SCHEDULE:

Detroit Ready Mix operates from 6:00am to 4:00pm, 5-days a week, and half days on Saturday as needed. There are 36 employees., including the truck drivers.

INSPECTION NARRATIVE:

Whenever nearby, AQD staff conducted surveillance at this site. No emissions, fugitive dust or track-out was observed. When scheduling this inspection, I made a request of Mr. Wheatley, to make copies of the 2020 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. Having copies that I can take with me to review minimizes the person-to-person time spent at the plant during this current time of Covid-19 health concerns.

Mr. Wheatley stated that while we are touring the plant the records I requested are being prepared. We drove around the site in his truck and there were no fugitive dust issues or visible emissions. The plant seems well maintained. The sand, and other aggregates in the 3-sided bins are visible moist. The dirt roadways had been treated with a dust suppressant.

POST INSPECTION:

Upon closing this inspection, I thanked Mr. Wheatley 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 indicated for 2019, concrete production was 79,267 cubic yards. For 2020 production through July was 32,521 cubic yards. Well within the limits on the PTI. Copies are attached and demonstrate compliance.

Records of yard sweeping, dust suppressant application, and stockpile watering for the past 12-months through July 2020 demonstrate compliance (random samples attached).

Records of source-wide Fugitive Dust and sediment track-out routine inspections for the past 12-months through July 2020 demonstrate compliance (random samples attached).

COMPLIANCE DETERMINATION:

Based on this plant inspection and the review of the conditions of the Detroit Ready Mix Operating Program (PTI No. 32-19). The company is operating in compliance with applicable air quality rules and regulations.

NAME

Bj Krawiec

DATE

6/17/24

SUPERVISOR

JK