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

B656373565

FACILITY: DETROIT RECYCLED CONCRETE		SRN / ID: B6563
LOCATION: 14294 MEYERS, DETROIT		DISTRICT: Detroit
CITY: DETROIT		COUNTY: WAYNE
CONTACT: Brett Warstler, Plant Manager		ACTIVITY DATE: 09/05/2024
STAFF: Terseer Hemben	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: Concrete Crushing and Dust controls		
RESOLVED COMPLAINTS:		

## COMPLIANCE INSPECTION OF DETROIT RECYCLED CONCRETE

September 5, 2024

14294 Meyers, Detroit, MI

SRN: B6563

County: Wayne

Present: Ms. Deborah

Inspector -Terseer Hemben (EGLE)

## FACILITY BACKGROUND

The Detroit Recycled Concrete is located at 14294 Meyers, Detroit. The facility installed and operated a concrete crushing plant. The facility has water sprinkling system that wets the surfaces and concrete piles. There is a water pool that rinses tire trucks for vehicles that exit the facility premises after loading.

The Detroit Recycled Concrete facility operation is regulated under Wayne County Installation Permit Nos. C-11557, C-11558, and C-11559, with Letter of Conditions dated April 15, 1997, and under Federal Standards of Performance for New Stationary Sources, 40 CFR, Part 60, Subparts A and OOO, which covers nonmetallic crushing plants.

## INSPECTION NARRATIVE

I arrived at the 14294 Meyers, Detroit at 1240 hours on September 5, 2024. The purpose of visit was to conduct an unannounced compliance inspection of the Detroit Recycled Concrete operations. I approached the site via Meyers northbound and turned right onto the driveway. I drove onto the site and parked on the concrete pavement close to the front office. There were trucks on the site waiting to pick up loads. Trucks drove under the loading using mechanical concrete loading system installed at the site. There was crushing of concrete at the time of my visit. Water sprinklers were fully on. There was no stirred dust in the air at site. Grounds were wet with suppressants. The facility was swept and clean. I inspected the manual loading procedure, concrete, and the concrete wall mounted around piles. The yard was organized in satisfactory manner in compliance with fugitive dust abatement requirements. I submitted my request for records to Ms. Deborah for the site production records. Deborah presented records of site indicating regular dust suppressing practice. The site did not use dust bags mechanism

but relied on water sprays. I left the area at 1330 hours. Ms. Deborah provided hard copies of some production and maintenance records.

#### **COMPLAINT/COMPLIANCE HISTORY:**

The Detroit Recycled Concrete located along Meyers, Detroit has not been a concern of citizen complaint since the COVID19 lockdown.

#### **OUTSTANDING VN'S:**

None

#### **PROCESS DESCRIPTION:**

The Detroit Recycled Concrete operates concrete crushing plant at 14294 Meyers, Detroit location. The installed equipment comprised a concrete crusher, mechanical product loader, dust sweeper, water sprinkler for dust suppression and a weight scale.

#### **EQUIPMENT AND PROCESS CONTROLS:**

Same as listed in the process description.

#### **OPERATING SCHEDULE/PRODUCTION RATE:**

The Detroit Recycled Concrete was set up to operate full three shifts covering 24 hours, through 7 days per week, and 365 days of the year. However, the company operates at the rate dictated by demand. The facility keeps in-person employees at the site during loading or unloading of the concrete materials.

#### **APPLICABLE RULES, INSTALLATION PERMITS, 40 CFR 60, Subparts A and OOO:**

The Detroit Recycled Concrete operations was evaluated consistent with each permit conditions. The inspection determined the facility was in the following compliance state:

Wayne County Installation Permit Nos. C-11557, C-11558, C-11559

Special Condition 17: Compliance. The condition addressing visible emissions (VE) from the crushing plant in which the emissions are not to exceed the 10% opacity per the 40 CFR Part 60, Subparts A and OOO was observed. The VE was less than 5% at the time of this inspection.

Special Conditions 18 and 19: Compliance. VE tests were conducted on September 16 and 17, 1998 and the measured opacity averaged from 0% to 5% on the material crushing and processing operations. VE tests were performed in accordance with 40 CFR Part 60, Subparts A and OOO.

Special Conditions 20 and 21: Compliance. Records received from the facility indicate that production through August was 70,640 tons for calendar year 2024, which is beneath the annual limit of 480,000 tons concrete. The facility has a limit of 120,000 tons reclaimed asphalt pavement (RAP) but states it does not crush RAP. The facility reported shutting down the plant operations from January - March 2024. The highest monthly average processing rate of 92 tons per hour (May 2024) is below the hourly limit of 180 tons concrete.

Special Condition 22: Compliance. Detroit Recycled Concrete was operating the crusher at the time of this inspection and applying the water sprays and sprinkler system simultaneously to keep the dust down on the site.

**Special Condition 23, 25, 26: Compliance.** The concrete crushing plant was operating at the time of this inspection. The grounds and premises around the plant yard, on material storage piles, and all material handling operations showed evidence that fugitive dust controls were applied in accordance with the Appendix A.

**Special Condition 24: Compliance.** The Detroit Recycled Concrete does not take asbestos containing material for processing.

#### **DETERMINATION**

The Detroit Recycled Concrete facility located at 14294 Meyers, Detroit was inspected. Fugitive dust requirements and permitted opacity limits were met. The Detroit Recycled Concrete operated in compliance with the Letter of Conditions for Wayne County Installation Permit Nos. C-11557, C-11558, and C-11559.

NAME

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DATE

9/30/24

SUPERVISOR

JK