

P1030
MAWILDEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION
ACTIVITY REPORT: On-site Inspection

P103069233

FACILITY: SRM McCoig Concrete		SRN / ID: P1030
LOCATION: 1441 Springwells Court, DETROIT		DISTRICT: Detroit
CITY: DETROIT		COUNTY: WAYNE
CONTACT: Dave Stout, Plant Manager		ACTIVITY DATE: 09/27/2023
STAFF: Gerald Krawiec	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: On-site Inspection for FY 2023.		
RESOLVED COMPLAINTS:		

On-site Inspection September 27, 2023.

AQD staff conducted an On-site Inspection for FY 2023 of SRM McCoig Concrete-820 located at 1441 and 1515 Springwells Court in the City of Detroit. The purpose of the inspection is to determine the facility's compliance with applicable state and federal air pollution rules and regulations in addition to AQD Permit No. 242-10B. New Plant Manager, Dave Stout, and Maintenance Manager, Tracy Meyerhoff accompanied staff during this inspection.

FACILITY BACKGROUND:

No background changes since last year's inspection on September 13, 2022.

PROCESS DESCRIPTION:

The process has not changed since the last inspection.

INSPECTION NARRATIVE:

Prior to this inspection surveillance was conducted of this facility on July 5 and August 2, 2023. On those dates no visible emissions were observed from baghouse exhausts, fugitive dust or track out onto the street from the plant. The street had recently been swept with a wet sweeper.

Since Dave Stout, Plant Manager has not been at this plant very long, he asked to have Tracy Meyerhoff, Maintenance Manager included in the inspection. Mr. Meyerhoff has had experience in AQD's 2019 and 2022 full plant inspections and has several years of experience at this plant.

I had requested to have copies (that I can take with me) of all recordkeeping and logs required by AQD Permit to Install No. 242-10B for the last 12 months. Examples of recordkeeping/logs would be concrete production records, Fugitive Dust Control measures taken, dates, times, etc. Dave stated that he has copies of all the records that I requested. The records will be reviewed off-site and if additional information is required, it may be submitted via email.

The plant is operating, and the weather permitted a full plant inspection. As Dave, Tracy, and I approached baghouse¹ which controls emissions from the wet drum and aggregate weigh hopper. I asked about the alarm that was installed on this unit after last years inspection. Tacy pointed to a large red light, and he triggered the alarm. It both makes a loud noise and the light flashes. This baghouse is located one floor above the drum. I observed the magnehelic gauge reading at 5.0" wg, this gauge measures the baghouse pressure drop which is normally between 3" – 6" wg. If pressure exceeds 6" wg, the alarm sounds off and the baghouse is inspected. After the alarm installation, the weekly inspection/maintenance log was adjusted to include the pressure drop reading.

There were no issues observed inside the plant.

At this point, Tracy continued his regular duties while Dave and I walked around the outside of the plant. No visible emissions were observed from any of the baghouse exhausts.

We got into a pickup truck and drove around the entire site and the auxiliary yard (1515 Springwells Court). While driving around, the paved and unpaved roadways were well kept, several piles of aggregates were observed without visible emissions. In the auxiliary yard, there are transit mixers, and other plant equipment in need of repair are stored in this area for spare parts and transit mixers are parked here when not in use. The yard is all unpaved and no fugitive dust emissions were observed.

The records review took place away from the facility at my remote workplace and in the office. This is a summary of those records with brief comments. Daily Record of Fugitive Dust Control Mechanisms, Contractor invoices for street sweeping and calcium chloride application; in the last 12 months paved areas have been wet swept 22 times.

Regarding the Plant/Equipment, inspections are made weekly and compiled into a monthly report. Concrete production for 2022 was 86,146 cubic yards and for 2023 is 47,639 through August 2023 well below the PTI limit of 430,400 cubic yards of material per 12-month period. Additionally, some miscellaneous invoices for maintenance around the plant

COMPLIANCE DETERMINATION:

Based upon the records reviewed and the on-site inspection of Smyrna Ready Mix Concrete, LLC, doing business as SRM McCoig Concrete-820. It appears this facility is in substantial compliance with AQD's PTI No. 242-10B and other applicable air quality rules and regulations.

NAME

B. J. Klawns

DATE

5/31/24

SUPERVISOR

JK