

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

N723273677

FACILITY: Carmeuse - St. Johns		SRN / ID: N7232
LOCATION: 3715 N. Chandler Rd, SAINT JOHNS		DISTRICT: Lansing
CITY: SAINT JOHNS		COUNTY: CLINTON
CONTACT: Christopher Martin , Senior Environmental Manager		ACTIVITY DATE: 07/27/2024
STAFF: David Rauch	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: On-site inspection to determine compliance with general permit 62-03.		
RESOLVED COMPLAINTS:		

Staff Activity Report

On June 27, 2024, David Rauch of the Air Quality Division (AQD) conducted a routine inspection of Carmeuse-St. Johns (SRN N7232). The facility location is 3715 N. Chandler, St. Johns, MI.

David went on an extended leave from work before the report for this inspection or the records review were completed, so the report and records review were completed by the AQD Staffer Michelle Rogers on September 12, 2024.

The Environmental Contact:

Christopher Martin, Senior Environmental Manager, christopher.martin@carmeuse.com, 519.423.7016

Facility Description:

Carmeuse is a large gravel/sand pit that has crushers to produce sand and gravel in specific sizes for concrete and asphalt plants.

Regulatory Overview:

Carmeuse is a minor source of air pollution but is subject to 40 CFR Part 60 Subparts A and OOO.

Fee Status:

This source is a fee subject source and reports Annual Air Emissions to MiEnviro.

Facility History:

This site was previously a Carl Schlegel site that was bought by Carmeuse in 2022.

Location:

This site is located at 3715 N Chandler Rd, St. Johns, MI. The gravel pit is located in a very rural area of Clinton County and does not have residence around it. Instead the site is surrounded by farm land, ponds and other gravel pits.

Inspection:

Arrived on site at 9:30AM, when I pulled in, I observed the crusher was operating but no visible dust was observed. I entered the office where I talked to the office staff. Site maintains records on site. We discussed the water usage on site and dust control. The site uses water trucks for dust suppression.

Records Review:

Records were requested and sent over via email by Chris Martin of Carmeuse. Records covered all of 2023 and the first half of 2024 through July 17. This included daily production, daily shipments, and annual totals for the wash plant, front VSI plant, and Smith Plant. Records also included production break down by product, shipments by product, current inventory, inventory adjustments, and adjustments for using product on their own on-site roads.

The site has a Crusher general permit, GPTI 62-03.

Visible Emissions SC I.2a through j: Visible emission limits. Staff did not observe visible emissions while on site.

Result: Compliance, all opacity was observed within the limits.

Material Usage SC 1.3: The permittee shall not process more than 2,000,000 tons of any non-metallic mineral through FGCRUSHING per year per site. (R 336.1205).

Results: Compliance. The site records show that production was 347,000 tons so far in 2024 (input was 385,867 tons). Production was lower in 2023 with production at 264,000 tons (input was 299,000 tons).

Material Usage SC 1.5: The permittee shall not crush any asbestos tailings or asbestos containing waste materials, as defined by the National Emission Standard for Hazardous Air Pollutants regulations, in FGCRUSHING. (40 CFR 61.141)

Results: Compliance, site does not take in any asbestos containing materials, per site manager.

Process/Operational Limits SC 1.6: The permittee shall not operate FGCRUSHING unless the program for continuous fugitive emissions control for all facility roadways, the facility yard, all storage piles, and all material handling operations specified in Appendix A has been implemented and is maintained. (R 336.1205, R 336.1371, R 336.1901)

Results: Compliance. Staff observed that dust suppression was being used on site (water trucks).

Equipment SC 1.7: Each crusher and screen shall be equipped with a water spray. A baghouse dust collector may be installed in lieu of water spray for any particular piece of equipment. The control equipment shall be properly operated as necessary to comply with all emission limits. (R 336.1205, R 336.1301, R 336.1303, R 336.1331, R 336.1910).

Result: Compliance. Site's water spray system was observed working properly.

Monitoring SC 1.9: The permittee shall keep, in a satisfactory manner, daily and annual records of the amount of material processed for each site at which the facility operates. All records shall be kept on file for a period of at least five years and made available to the Department upon request. (R 336.1201a(1), R 336.1205)

Results: Compliance. The company supplied daily and annual records of materials processed.

Conclusions: Based on the inspection and records review that were conducted, the site appears to be in compliance with their permit and all applicable air regulations.

NAME Michelle Rogers DATE 9/26/2024 SUPERVISOR RB