

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

P082564885

FACILITY: GBM Recycled Concrete		SRN / ID: P0825
LOCATION: 794 Chilson Road, HOWELL		DISTRICT: Lansing
CITY: HOWELL		COUNTY: LIVINGSTON
CONTACT: Craig Fons, President		ACTIVITY DATE: 09/13/2022
STAFF: Matthew Karl	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: Unannounced, scheduled inspection to determine compliance with general permit to install (PTI) No. 96-17.		
RESOLVED COMPLAINTS:		

District Inspector: Matt Karl

Facility Contact: Craig Fons, President; Michael Fons, Operations Manager

Purpose:

The purpose of this inspection was to determine GBM Recycled Concrete's compliance with general permit to install (PTI) No. 96-17 for a nonmetallic mineral crushing facility located at 794 Chilson Road, Howell, MI. This facility has not previously been inspected.

Facility Description:

The facility processes asphalt and concrete rubble from local construction projects. The facility consists of an Eagle Impact Crusher and Grasan Screen Plant which are equipped with water spray controls and four conveyors which are uncontrolled. The maximum rated capacity for the equipment is 250 tons per hour, with an expected throughput of 50,000 tons per year.

The equipment information from the general PTI application is included below:

Device Description	Device ID	Make & Model	Serial No.	Manufactured Date	Max. Rated Capacity (TPH)	Control/Type
Eagle Impact Crusher	SC 108	Eagle 1400	10624	6/1985	250	Yes/Water Spray
Eagle Transfer Conveyor	SC 108 B	Eagle 36D 1430	10626	6/1985	250	No
Grasan Screen Plant	SC 106	Grasan 1052 P	1052P3527	6/1990	250	Yes/Water Spray
Finley Return Conveyor	FE 103	Finley 524	A 440638	6/1994	250	No

Stockpile Conveyor	FE 123	Grasan Model 6524 P	6524P2756	6/1990	250	No
Stockpile Conveyor	FE 119	Grasan Model 7530 S	7530S 2693	6/1990	250	No

Inspection:

FGCRUSHING

Visible Emission Limits

1.2 Visible emissions from FGCRUSHING shall not exceed the limits in the following table:

Special Condition	Equipment	Opacity Limit	Observed Opacity/ Compliance Status
1.2a	Any equipment enclosed within a building	No visible emissions	NA
1.2b	All crushers	15	Compliance
1.2c	Screens	10	Compliance
1.2d	Rock drills	5	NA
1.2e	Conveyors/Transfer points	10	Compliance
1.2f	Wash screens and all subsequent equipment downstream up to the next crusher or storage bin	No visible emissions	Compliance
1.2g	All equipment controlled by a baghouse dust collector	7	Compliance
1.2h	Wheel loaders and truck traffic	5	Compliance
1.2i	Material storage piles	5	Compliance

1.2j	Any other process equipment which is part of the nonmetallic mineral crushing facility or related processes	10	Compliance
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*The equipment was not operating at the time of my inspection. However, I did not the crusher and screen were equipped with water sprays. I noted no visible emissions from the facility roads or the material storage piles while I was on site.

Material Usage Limits

1.3 The permittee shall not process more than 2,000,000 tons of any nonmetallic mineral through FGCRUSHING per year per site.

Compliance Status: Compliance. The facility has processed 7,709 tons of material from January-August 2022.

MAERS 2021 material throughput 33,438 tons

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.

Compliance Status: Compliance. The facility does not accept asbestos containing materials. The facility processes concrete and asphalt from road projects.

From the general PTI application: "no building demolition (material) will be accepted."

Process/Operational Limits

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 maintained.

Compliance Status: Compliance. The facility controls fugitive dust from periodic calcium chloride applications to the facility roadways.

Equipment

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.

Compliance Status: Compliance. The screen and crusher are equipped with a water spray.

Testing

1.8 Within 60 days after achieving maximum production rate, but not later than 180 days after initial startup of FGCRUSHING, verification of visible emission rates and particulate emission rates from all NSPS subject crushers, screens, all transfer points on conveyors, and all other miscellaneous equipment associated with FGCRUSHING and covered by the NSPS Subpart OOO,

by testing at owner's expense, in accordance with 40 CFR Part 60 Subparts A and OOO, will be required. No less than 14 days prior to the anticipated test date, visible emission observation procedures must be approved by the District Supervisor. Also, no less than 7 days prior to the anticipated test date, the permittee shall notify the District Supervisor of the test date. If after the anticipated test date has been submitted to the District Supervisor, there is a delay in conducting the test, the permittee shall submit to the District Supervisor notice of the new test date. This notification shall be done a minimum of 3 days prior to the rescheduled test taking place. Verification of visible emissions includes the submittal of a complete report of opacity observations to the AQD within 30 days following the last date of the test.

Compliance Status: Compliance

Stack Test conducted on 08/23/2017. Test report received 09/18/2017. Comments: SC108- conveyor opacity 7.29%, SC108B- conveyor 0.21% (conveyor opacity limit 10%).

Monitoring

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.

Compliance Status: Compliance. The facility keeps excel spreadsheets with material throughput records.

MAERS 2021 material throughput 33,438 tons; 2022 Jan-Aug material throughput 7,709 tons.

Permit Dates

1.11 The permittee shall label all equipment associated (with) FGCRUSHING within 45 days of initial startup according to the company IDs specified in the application (Form EQP5756). Labels shall be in a conspicuous location on the equipment.

Compliance Status: Compliance. The equipment has visible device IDs that match those in the table in the "Facility Description" table above.

Conclusions:

At the time of the inspection GBM Recycled Concrete appeared to be in compliance with General PTI No. 96-17.

NAME Matthew M. Karl DATE 09/29/2022 SUPERVISOR RB