

DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION
ACTIVITY REPORT: Scheduled Inspection

N780150024

FACILITY: Great Lakes Mineral		SRN / ID: N7801
LOCATION: PORTABLE CRUSHER #160-07, DODGEVILLE		DISTRICT: Upper Peninsula
CITY: DODGEVILLE		COUNTY: HOUGHTON
CONTACT: Ann Moyle, Owner		ACTIVITY DATE: 07/26/2019
STAFF: Joe Scanlan	COMPLIANCE STATUS: Unknown	SOURCE CLASS: MINOR
SUBJECT: Unannounced inspection to determine compliance with PTI# 160-07 at Valley View Quarry in Houghton; Portable on location in Negaunee Township was inspected 7/30/2019		
RESOLVED COMPLAINTS:		

FACILITY DESCRIPTION

Great Lakes Mineral Works LLC (GLMW) owns and operates Valley View Quarry, located at 46425 Green Acres Road, just southwest of the Dodgeville location south of the City of Houghton in Houghton County. The quarry is sited in a rural area, with the nearest residential structure approximately 0.40 miles to the south. GLMW provides crushed aggregate of various sizes for a diverse customer base.

GLMW purchased Valley View Quarry and a portable crusher spread formerly owned by Thomas J. Moyle Jr. Inc. in December of 2014. GLMW conducts crushing and screening operations Spring through Fall in their quarry and also crushes off-site a couple of times throughout the season. GLMW conducts crushing operations under PTI# 160-07.

On June 6, 2017, PTI#160-07 was approved for modification to include the addition of a portable jaw crusher (#606). Equipment associated with the modification was tested for visible emissions on June 29, 2017. Results from the visible emission testing were acceptable to AQD.

The following equipment are permitted under PTI# 160-07:

- #578 Cummins 450KW Generator (2001)
- #581 Pioneer 3042 Primary Jaw (1998; SN: CS3042-022)
- #582 H500 Cone Crusher (1998; SN: 15A001)
- #583 JCI 7' x 20' Portable Triple Screen Deck (2003; SN: D030181)
- #584 Kolberg 36" x 125' Radial Stacking Conveyor (2005; SN: 405785)
- #585 Kolberg 36" x 50' Dogleg Conveyor (2006; SN: 406150)
- #586 Kolberg 36" x 50' Dogleg Conveyor (2006; SN: 406151)
- #587 KAFKA 36" x 50' Radial Conveyor (2006; SN: EL360W1606520)
- #588 KAFKA 36" x 60' Conveyor (2006)
- #589 KAFKA 30" x 65' Conveyor (2005)
- #594 ALLIS-Terex Screen Deck (2014; SN: OGA07984 & OGA07985)
- #600 Allis HA H4000 Portable Cone (1996; SN: 02HA08178)
- #602 KAFKA 36" x 50' Conveyor (2005; SN: U3650MI614)
- #603 KAFKA 36" x 95' Conveyor (2012; SN: EL369MI614630)
- #604 Barber-Green Conveyor (1993; SN: 124971)
- #606 Terex Finlay J-1175 Portable Jaw Crusher (2012; SN: TRX1175JFOMB63155)
- #607 Masaba 36" x 70' Transfer Conveyor (2012)
- #608 KAFKA 36" x 60' Portable Radial Stacker (2016)
- #609 Nordberg HP400 Cone Crusher (2012)
- #610 GreyHawk - McLanahan UFR Plant (2016)
- #612 JP 36" x 60' Portable Radial Stacker (2018)
- #613 JP 36" x 60' Portable Radial Stacker (2019)
- #614 Superior 36" x 150' Telescopic Stacking Conveyor (2005)
- #615 Dakota 30" x 80' Portable Stacking Conveyor
- #616 Onyx 36" x 80' Conveyor (2000)
- #617 Superior 36" x 60' Conveyor (2007)
- #618 Superior 30" x 60' Feed Conveyor (2003)
- #619 Superior 30" x 60' Feed Conveyor (2003)
- #61375 Cummins Generator (2004; SN: B040604904)

INSPECTION

On July 26, 2019, I visited Valley View Quarry for an inspection on GLMW crushing operations. After donning the appropriate PPE, I met with company co-owner Ms. Ann Moyle in the main office on-site, which doubles as the scale house for exiting loaded trucks.

A portable crusher spread was operating in Negaunee Township at the time of my inspection, however the remaining crushing equipment was operating on-site. Ms. Moyle notified the crew in the pit that I would be entering the pit for my inspection.

Upon entering the pit, I met with crusher operator Mr. Paul Adams. Mr. Adams and I went over the equipment list to verify that the equipment on site was permitted under PTI#160-07. The following equipment were operating at the Valley View Quarry location at the time of my inspection:

- #581, #582, #584, #587, #602, #604 and #607

There were some issues with identifying a couple pieces of the equipment due to faded identification numbers. This was identified and relayed to Mr. Adams who promptly began to correct the issue. The plant was operating spray bars with water being supplied via a pit well located next to the crusher spread. A water truck is used to regularly wet the pit area and haul roads. There was minimal fugitive dust from the plant and roadways. Records supplied by the company showed the plant had produced approximately 92,000 tons for 2019 as of August 29, 2019.

On July 30, 2019, I visited the portable crusher spread being operated in Negaunee Township at the Smith Paving pit located off US-41 in Marquette County. After exiting my vehicle and putting on my PPE, I met with crusher operator Mr. Joe Leva. The crusher was operating with minimal fugitive dust and water was being supplied via a water tanker truck owned by Smith Paving. Smith Paving was also responsible for wetting the pit area and haul roads, which were done multiple times a day. There was minimal fugitive dust from the pit area and haul roads. At the time of inspection Mr. Leva said about 21,000 tons had been processed at the Smith Paving site. Records supplied by the company showed the plant had produced approximately 45,875 tons as of August 29, 2019.

The following equipment was operating in the Smith Paving pit at the time of my inspection:

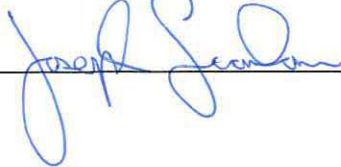
- #583, #606, #608, #609, #610 and #612

The company reported a total of 131,000 tons of crushed aggregate as throughput for 2018. Combined throughput of all crushers for 2019 was 137,875 tons as of August 29, 2019.

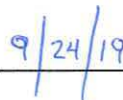
SUMMARY

Relocation notices have been submitted timely in accordance with permit requirements. There were issues with maintaining the identification numbers on a few pieces of equipment, but these were corrected while I was on site. I did not observe any violations of the Michigan Air Pollution Control Rules and the company appears to be in compliance with PTI# 160-07.

NAME



DATE



SUPERVISOR

