

DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION

ACTIVITY REPORT: **Self Initiated Inspection**

P069146236

FACILITY: DYNAMIC CRUSHING LLC		SRN / ID: P0691
LOCATION: 6417 CENTERLINE RD, SARANAC		DISTRICT: Grand Rapids
CITY: SARANAC		COUNTY: IONIA
CONTACT: Greg Huyser , Owner		ACTIVITY DATE: 09/18/2018
STAFF: Michelle Luplow	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: Self-initiated inspection of crushing being conducted at 6132 N. Aurelius, Lansing, Ingham Co.		
RESOLVED COMPLAINTS:		

Inspected by: Michelle Luplow (LDO, AQD, author) and Sam Braman (LDO AQD)
Personnel Present: Dwight Earle, Dynamic Crushing

Dynamic Crushing Staff Not Onsite: Greg Huyser, Owner

Purpose: Conduct an unannounced, self-initiated compliance inspection in response to a notification from nearby resident, Byron Lake, that crushing was being conducted at the L & L Construction site (6132 N. Aurelius, Lansing, Ingham Co). Only after the inspection was AQD able to verify that Dynamic Crushing had submitted their relocation notice, but only to the permits section (Sue Thelen and Andy Drury). Compliance was determined using General PTI 53-16.

Facility Background/Regulatory Overview: Dynamic Crushing is a non-metallic mineral crushing operation that primarily recycles concrete and asphalt.

PTI 109-17 issued under this permit is a cite-specific PTI that was to be used only for a location in East Lansing. The permit became void in August 2017; however, G. Huyser acknowledged that after that date they had still been crushing at the East Lansing location in July or August 2018. I informed him that in order to crush at that location in the future, Dynamic Crushing must submit a permit application for another site-specific permit, and I recommended that he try to get a permit that allows crushing at the site indefinitely. He explained a site-specific permit was issued because the crusher would be less than 500' from residences. I acknowledged that he understood the requirement, and I expect another site-specific permit to be issued for this site prior to any crushing in the future.

I also reminded him that any time they submit relocation notices, that they submit them to the permits section, but absolutely must also submit them to the district office to avoid non-compliance issues in the future.

Inspection: At approximately 1:30 p.m. on September 18, 2018, Sam Braman and I met with Terry Gorham, plant yard foreman of L & L Construction, the yard of which was being used by Dynamic Crushing to crush concrete. He showed us around the crushing equipment and then took us to meet with Dwight Earle, Dynamic Crushing's front end loader operator for these operations.

Table 1 lists the following equipment located onsite for the crushing operations expected to be completed by 9/28/18.

Equipment	Make	Manufacture date	serial #	Device ID	Max. rated capacity (ton/hr)	NSPS Tested?
Radial Stacking Conveyor	McCloskey	2015	NA	STACKER 2	700	No, not subject
Portable Jay Crushing Plant	KPI CS3365	2016	416139	CRUSHER 3	700	Yes (although relocation notice indicated it had not been tested)
Transfer Conveyor	KPI Series 44-4868 Mag Conveyor	2016	416138	MAG CONVERYOR1	NA	Yes (although relocation indicated it had not

Transfer Conveyor	KPI 48x50	2017	417125	TRANSFER 1	500	been tested) No, not subject
Magnet Conveyor	KPI 60 x 40	2017	417126	MAG CON 2	500	No, not subject
Horizontal Impact Crusher	KPI/JCI FT5260	2016	415713	CRUSHER 2	700	Yes (although relocation indicated it had not been tested)
6' x 20' Screen	KPI-JCI – FT6203CC	2016	T160296	SCREEN 1	700	Yes (although relocation indicated it had not been tested)

Visible Emission Limits

Crushers are limited to 15% opacity, and conveyors/transfer points are limited to 10% opacity. S. Braman and I observed all equipment appeared to be meeting their appropriate opacity limits, except for the transfer point below the primary crusher. Emissions in excess of 40% were witnessed for the 20 minutes that we stood by observing operations. There was opacity from the primary crusher itself, but it is my professional judgment that the opacity did not exceed 15% over a 6-minute average. The sun was within the Method 9-140 degree angle at our backs while we observed the excess opacity.

I contacted Greg Huyser, Owner, concerning the excess emissions from this transfer point. He explained that soon after S. Braman and I left the site, he had reached the site and placed additional plastic seals around the emission point to enclose any dust being emitted from this transfer point. Attached are photos of before and after the plastic seal was installed. Emissions appeared to be greatly reduced, and likely less than 10% on a 6-minute average.

Pollution Control Equipment

Each crusher and screen is required to have water spray equipped. S. Braman observed that water spray was being used during operations.

Operational Parameters

The program for continuous fugitive emissions in Appendix A in the permit must be followed in order to operate the crushing facility.

Plant

The drop distance at each transfer point throughout the plant shall be reduced to the minimum the equipment can achieve. S. Braman and I observed that all transfer points, including transfer points from the conveyor to the storage pile were all reduced to a minimum (within a maximum of one foot) from drop point to landing point.

Truck Traffic

On-site vehicles are required to be loaded in a way to prevent their contents from dropping or blowing, achieving by loading the truck no more than 6" from the top of the truck or tarping the truck. S. Braman and I observed no trucks being loaded during the inspection

Site Roadways/Plant Yard

Dust on the site roadways and plant yard is required to be controlled by applications of acceptable dust suppressant to meet an opacity limit of 5%. The only working-face of the plant yard that Dynamic Crushing was using was a small area between the pile to be crushed and the crusher.

S. Braman and I noted that there was greater than 5% opacity being turned up from the front end loaded transferring the concrete to the crusher. We informed D. Earle of this and before we left, another employee onsite began applying loads of water to the working face to minimize fugitive dust.

Storage Piles

I saw no opacity being generated from the storage piles onsite.

Compliance Statement: Dynamic Crushing is in compliance with PTI 53-16 at this time.



Image 1(Opacity Exceedance) : Opacity exceeding 10% limit from transfer point below crusher

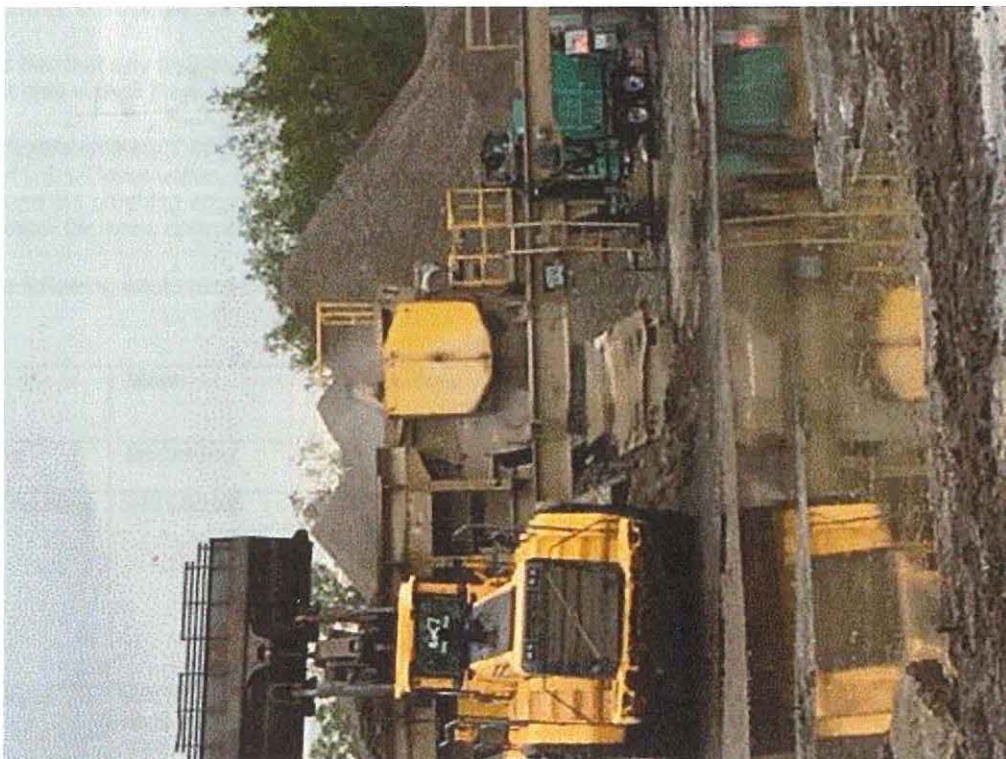


Image 2(Minimal Opacity) : Opacity the following day. Note plastic shielding is put into place at transfer point below crusher.



Image 3(Water Application) : Water application to unpaved plant yard to control dust from moving front-end loader. Note saturated ground

NAME Melvin Light

DATE 9/25/18

SUPERVISOR B. M.