

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

P050637303

FACILITY: Elmer's Crane & Dozer, Inc. - M72 Pit Maple City		SRN / ID: P0506
LOCATION: 2272 W. M-72, EMPIRE		DISTRICT: Cadillac
CITY: EMPIRE		COUNTY: LEELANAU
CONTACT: Jack Morris , Project Engineer		ACTIVITY DATE: 10/11/2016
STAFF: Caryn Owens	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: Scheduled Inspection and Records Review.		
RESOLVED COMPLAINTS:		

On Tuesday, October 11, 2016, Caryn Owens and Tammie Puite of the Department of Environmental Quality (DEQ)-Air Quality Division (AQD) conducted a scheduled field inspection and records review of Team Elmer's – M-72 Maple City Pit (SRN: P0506). At the time of the inspection the crusher and associated equipment was located at 2272 West M-72 in Maple City, Leelanau County, Michigan. More specifically, the site was located on the north side of West M-72, the entrance of the pit is located approximately 1/3 mile west of West M-72 and South Coleman Road. The field inspection and records review were to determine compliance with Permit to Install (PTI) #028-14. The crusher and associated equipment currently operate under a General permit and is considered a minor source for particulate matter (PM) criteria air pollutants. Majority of the equipment, including the crusher are subject to New Source Performance Standards (NSPS) of Performance for Nonmetallic Mineral Processing Plants under 40 CFR, Part 60, Subpart OOO.

Evaluation Summary

The activities covered during this scheduled field inspection and records review appears to be in compliance with PTI 028-14. Specific permit conditions that were reviewed are discussed below.

Source Description

There are two crushers (a jaw crusher and a cone crusher) and associated equipment consisting of screw washers, screeners, and conveyors. The equipment at this site is considered portable and has the potential to move from pit to pit on an "as needed" basis throughout the construction season, typically April through November. However, based on the size of this pit, the equipment stays at this site, and is replaced when a piece of equipment is needed or a different size conveyor is needed. The operations at the Maple City Pit were used to crush stone and gravel and separate sand and aggregate into piles for construction projects. I observed three scales during the inspection. The facility operates Monday through Friday, and the hours of operation are restricted by a county ordinance.

On-site Inspection:

During the field inspection it was cloudy with calm winds between 5 to 10 miles per hour from the south, and 63 degrees Fahrenheit. I checked in at the onsite office upon arrival, and looked at the records on file. The records indicated that the site processes between 2,500 tons to 4,500 tons of material a day. The records also showed that there were many days of repair over the summer, so no material was processed.

The secretary escorted AQD to Mr. Jack Morris, of Team Elmer's who was conducting a Method 9 visible emissions test on new conveyors at the site. AQD talked to Mr. Morris who showed us nearby operations, but then AQD met with Mr. Karl Domres of Team Elmer's who escorted AQD throughout the site while Mr. Morris finished the visible emissions testing. I inspected the equipment associated with the crushers, which were labeled accordingly.

I observed the following equipment connected to the crusher at the time of the inspection:

1022: Screener Deck (Feeder)	992: Conveyor - 30"x80'	984: Conveyor - 30"x90'
1013: Conveyor - 30"x90'	1138: Conveyor - 38"	1059: Conveyor - 24"x45'
1144: Conveyor - 36"x225'	1093: Stacker Conveyor - 30"x120'	1053: Screw washer
1038: Conveyor - 36"x225'	998: Screw washer	969: Conveyor with scale -

		24"x90'
1114: Conveyor - 36"x48'	994: Conveyor - 30"x90'	1068: Stacker Conveyor - 36"x120'
1147: Screw washer	1060: Screener Deck	964: Conveyor - 24"x90'
1110: Shaker Screener with water sprays	957: Jaw Crusher	1017: Stacker Conveyor - 36"x125'
993: Conveyor with scale - 30"x80'	1020: Conveyor - 30"x90'	1056: Conveyor - 24"x60'
1134: Conveyor - 36"x50'	955: Cone Crusher	971: Conveyor - 30"x72'
967: Conveyor - 24"x90'	981: Conveyor - 30"x65'	979: Stacker Conveyor - 24"x90'
965: Conveyor - 24"x90'	1109: Screener Deck with water sprays	968: Stacker Conveyor - 24"x90'
1069: Stacker Conveyor - 36"x120'		

Review of PTI:

Visible Emission Limits:

During the inspection, I observed no visible emissions greater than 5 percent. At the time of the inspection, the site was within the fugitive emission limits of the PTI.

Material Usage Limits:

Based on the 2015 MAERS report and the amount of time the equipment was out of commission during the summer, the facility was below the 2,000,000 tons of non-metallic material through the crushers from September 2015 through September 2016. Only earth material is processed, screened and separated at this location. No asbestos containing materials are crushed at this pit.

Process/Operational Parameters:

Team Elmer's has and follows a fugitive dust plan for the site, the haul roads were in good condition. I observed no dust trails on the roadways from the plant, and observed no visible emissions from the storage piles at the site.

Equipment:

I observed water sprays connected to the crushing and screening equipment at the site. No equipment contained a baghouse, and the equipment was in compliance with the visible emission limits during the inspection.

Testing:

All of the equipment subject to the NSPS 40 CFR, Part 60, Subpart OOO, has been tested, except for three conveyors (Unit #1134, 1138, and 1144) which were being tested the day of the inspection. Team Elmer's submitted a test protocol in a timely manner, and communicated with the DEQ regarding the testing activities at this site, since it was delayed a couple of times due to weather conditions.

Monitoring:

Daily and annual records are kept in a binder at the on-site office, and scanned to Team Elmer's headquarters for record retention purposes.

Recordkeeping/Reporting/Notification:

The equipment at this site, even though portable, stays at this site. DEQ understands the equipment begins operation in April and shuts down in November (weather permitting).

Permit Dates:

All equipment at the facility was labeled with identifying numbers, except for the jaw crusher Unit #957, which was recently painted, and Mr. Domres of Team Elmer's said that he will add the number back on.

Miscellaneous/Allowed Modifications:

Team Elmer's submitted a PTI Modification for the three new conveyors added to the processes at the site, and complied with the NSPS, Subpart OOO testing requirements. As stated previously, although portable, the

equipment at this site, stays located here and is not transported to different locations.

NAME Camp Owens

DATE 10/11/16

SUPERVISOR 