

**DEPARTMENT OF ENVIRONMENTAL QUALITY  
AIR QUALITY DIVISION  
ACTIVITY REPORT: Self Initiated Inspection**

P053437716

FACILITY: Elmer's Crane & Dozer, Inc.		SRN / ID: P0534
LOCATION: 1033 Kasson Center Rd., MAPLE CITY		DISTRICT: Cadillac
CITY: MAPLE CITY		COUNTY: LEELANAU
CONTACT:		ACTIVITY DATE: 10/11/2016
STAFF: Caryn Owens	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT:		
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 Self-Initiated field inspection of Team Elmer's – Hulbert Pit (SRN: P0535 and P0534). At the time of the inspection the crusher and associated equipment were located at 1033 West Kasson Center Road in Maple City, Leelanau County, Michigan. More specifically, the site was located on the south side of West Kasson Center Road, and the entrance of the pit is located approximately 1/2 mile east of West Kasson Center and South Coleman Roads. The field inspection was a follow-up to observe on-site conditions following a complaint for this site, and AQD was in the area.

#### Source Description

This site is considered a dry operation, where there is minimal water spray at the site. There are two crushers (a jaw crusher and a cone crusher) and associated equipment consisting of screeners and conveyors. The operations at the Hulbert Pit were used to crush rocks into different size gravel. The sand separated from the rock was used as backfill for the excavated areas of the site. I observed two scales during the inspection. The site operates Monday through Friday, and the hours of operation are restricted by a county ordinance. Team Elmer's was in the process of building a shell around the main screener (Unit 1145), and install a tarp over the screener at a later date to control fugitive dust emissions.

During the field inspection it was cloudy with calm winds between 5 to 10 miles per hour from the south, and 63 degrees Fahrenheit. AQD followed Mr. Karl Domres of Team Elmer's to the Hulbert Pit, and who escorted AQD throughout the site. 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:

1130	Stacker Conveyor – 36"x150'	1122	Conveyor - 36"x100'	988	Conveyor - 30"x90'
1133:	Conveyor - 36"x702'	1092:	Conveyor - 30"x70'	990:	Conveyor – 30"x80'
1127:	Screener – 6'x20'	1139:	Conveyor - 30"x120'	974:	Conveyor – 24"x80'
1073:	Stacker Conveyor - 30"x120'	961:	Stacker Conveyor – 24"x90'	1150:	Conveyor - 24"x60'
963:	Conveyor - 24"x50'	1058:	Conveyor - 24"x60'	1046:	Jaw Crusher
1124:	Conveyor with scale - 30"x60'	1146:	Conveyor - 36"x225'	1125	Conveyor - 36"x30'
1127:	Screen - 6'x20'	958:	Cone Crusher	1113	Conveyor - 36"x93'
1132:	Conveyor – 36"x30'	950:	Conveyor - 30"x90'	1145:	Screener Deck with water sprays – 7'x20'
978:	Conveyor with scale - 24"x90'	980:	Conveyor – 30"x120'		

Upon arrival, AQD staff observed the crushing operation from a safe distance to determine if visible emissions were present. It appeared that minimal visible emissions were present from the jaw crusher and I intended to get closer to determine if visible emissions were indeed present.

As AQD was closer to the area of visible emissions, it appeared that some of the visible emissions were from the water mist from the screening operations, and not due to fugitive dust.

Daily load records were kept at the office at the M-72 Pit approximately 2 miles from the site. AQD was at the M-72 Pit earlier and saw the binder that contains the Hulbert Pit records.

Kurt Childs was at the site on September 29, 2016, while Team Elmer's was conducting onsite visible emissions tests for one of the crushers and some conveyors. Mr. Childs stated that there were some visible emissions from the screening operations

during the visible emissions testing, but AQD staff did not see similar conditions at the site as when Mr. Childs was onsite. AQD staff will return in the next Spring or Summer to observe the onsite conditions. AQD noted that the closest residence was approximately 950 feet north of the Property, and no fugitive emissions were observed traveling offsite.

NAME Camp Childs

DATE 10/11/16

SUPERVISOR 