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

N133225791

FACILITY: Mackenzie Crushing LLC		SRN / ID: N1332
LOCATION: 3290 Torrey Road, FLINT		DISTRICT: Lansing
CITY: FLINT		COUNTY: GENESEE
CONTACT: Bryan Stewart , Owner		ACTIVITY DATE: 06/25/2014
STAFF: Brad Myott	COMPLIANCE STATUS: Pending	SOURCE CLASS: MINOR
SUBJECT: perform scheduled inspection and determine compliance with general PTI 150-05.		
RESOLVED COMPLAINTS:		

Facility contact: Bryan Stewart, email: mackenziecrushing@yahoo.com

On 6/25/14 I conducted an unannounced compliance inspection of this concrete crushing facility. The plant currently operates under General Permit to Install 150-05. Skies were clear with temps in the 70's and little wind. Conditions were favorable for the plant. It has rained a lot recently which has helped keep fugitive emissions down. This has been a good site for this plant. It is mostly surround by other businesses in a light industrial area. There is a small mobile home park to the North East but AQD has not received any complaints from them or anyone else in the area. Equipment at this site is as follows.

Emission Unit	Description	Permit / SRN	status
Plant 1	Concrete crushing plant consisting of	150-05/ N1332	not operating
Plant 2	Older concrete crushing plant	12-03/ N7212	dismantled

I met with Phil as Bryan Stewart was not at the site on this day. Phil showed me around site. The plant was not operating this day as they have been shutdown for a while due to a broken screen. The new screen had arrived and they were working on it. I later called Bryan and explained that he would need to modify his permit application due to the replacement of the old screen. I then emailed Bryan with a link to the air permit page so that he could find a general permit application form to update his plant with the new screen.

This facility has been here since around the year 1999. It's near the railroad tracks and North of the Airport on Torrey Road. They located at this spot since there has been vast quantities of waste concrete piled there from building demolitions in Flint. Business has been slow lately and the crew had stopped operating the crushers for the day.

The plant consists of a Cedar Rapids Jaw Primary Crusher, Cedar Rapids secondary crusher and screening plant, and several conveyors. According to the file this equipment was previously covered under PTI 221-86 and NSPS testing was performed on Sept 11, 12 & 13 of 1996. The equipment was sold to Mackenzie Crushing in April 2005.

This is a small plant that can process approx. a 100,000 tons per year. The permit allows for 2 million tons. They crush concrete and sometimes RAP material. The plant only operates April -December which further limits production. The plant typically operates 3-4 days/week for 6-8 hours/day. MAERs for 2014 indicated a throughput of 61,924 tons processed in 2013. This is slightly down from previous years. Phil indicated that business for this year is steady and they have quite of bit of material on site to crush. This was evident by the size of the pile of uncrushed material which was quite large.

The permit requires the use of water on each crusher and screen as necessary to meet the required emission limits. Phil showed me around the facility and I was able to confirm that water hoses were placed on the crushers and screen. They use to draw water from a near by creek but recently installed a well and now pump water to spray the feeder, crushers and screen. They also have a hose for applying water to the plant yard. I did not notice any fugitive dust being generated from trucks dropping off concrete on this day. There was no other plant traffic. This plant has been very good about applying water to the equipment and yard area in the past.

The plant has two front end loaders that they use to drop material into the feeder. They also use the

loaders to scoop water from a hole and apply it to the front entrance and material pile prior to loading. This plant has never received a violation for opacity and the plant is typically well run. Bryan Stewart has always been proactive in reducing emissions and improving operating conditions of the plant. On my previous inspections they have always used water when they were operating. I will check back on this facility later this summer to evaluate the opacity while they are operating the crusher to determine if it is complying with the opacity limits in the permit. I will also follow up to verify they have updated their general PTI so that it reflects the current set up of the plant. At the time of my inspection the plant was in compliance with air use permit 150-05.

NAME



DATE

8/12/14

SUPERVISOR

