

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

N696645192

FACILITY: Mack Industries of Michigan Inc.		SRN / ID: N6966
LOCATION: 8265 White Lake Road, WHITE LAKE		DISTRICT: Southeast Michigan
CITY: WHITE LAKE		COUNTY: OAKLAND
CONTACT: Dave Hammontree , Mack Industries of Michigan Inc.		ACTIVITY DATE: 07/12/2018
STAFF: Lauren Magirl	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: On-site investigation		
RESOLVED COMPLAINTS:		

On Thursday, July 12, 2018, Iranna Konanahalli, and I, Lauren Magirl, Michigan Department of Environmental Quality-Air Quality Division (MDEQ-AQD) inspectors, conducted an unannounced scheduled inspection at Mack Industries of Michigan (Mack) located at 8265 White Lake Road, White Lake, Michigan. The purpose of this inspection was to determine the facility's compliance with the Federal Clean Air Act: Article II, Part 55, Air Pollution Control of Natural Resources and Environmental Protection Act, 1994 Public Act 451, as amended; and Michigan Department of Environmental Quality, Air Quality Division rules.

We arrived at the facility around 11:00 am and met with Mr. Tim Pelky, Maintenance Manager for a pre-inspection meeting. We identified ourselves, provided our credentials and stated the purpose of our inspection. Mack manufactures concrete manholes out of dry cast and T walls (sound barrier walls on high ways), road barriers, box culverts (a device that allows water to flow from one side to the other of a barrier such as road, railroad, any natural or man-made barrier), etc. Mack has around 40 – 60 employees and their operating hours are 6 am – 4 pm Monday through Saturday all year long.

Mr. Dave Hammontree, Manager, joined us and provided sweeping, monthly baghouse, and water log records for 2018. Mr. Hammontree stated Curbcoc comes in the evenings to sweep the paved roadways. They started in June and come twice a week, Tuesday and Thursday and once a month they sweep the whole facility, unpaved and paved roadways. Mack uses a 350-gallon tote connected to a PVC pipe with holes through it and a fork lift to water their unpaved roadways. Iranna suggested to use a larger tote and a PVC pipe that angles to the ground and to attach a pump to the tote for more efficient watering.

Mack produces about 30,000 cubic yards per year of concrete for precast products. For 2018 YTD (July 12, 2018), Mack has produced 10,998.7 cubic yards. Mack appears to be exempt from permit to install pursuant to Rule 289(2). They have two different precast operations: dry-cast and wet-cast. For dry-cast, the concrete is vibrated into a mixer then onto a conveyor and into the mold. They place a large metal lid on the mold and about 10 minutes later the concrete is removed from the mold to finish curing overnight. For wet-cast, the concrete is added into a mixer and poured into the mold. Mack stated they normally use 25% fly ash in their products for filler and improved appearance; however, when we were there they were not using fly ash due to consumer demands. When they use fly ash, they receive one truck load a week.

Mack has two different welding areas in the facility. The concrete needs to be reinforced with metal. They make and weld their own reinforcements for the man-holes. Welding appears to be exempt from permit to install pursuant to Rule 285(2)(i). Mack also has one mineral spirits parts washer on-site and we provided the procedure. Mr. Pelky is going to post it on the parts washer. The parts washer appears to be exempt from permit to install pursuant to Rule 281(2)(h).

There are two silos on site. A 90,000-pound Cement silo and a 60,000-pound fly-ash silo which are both equipped with a baghouse.

Mr. Hammontree mentioned that Mack is adding a new plant on site that will produce concrete pipes.

Conclusion:

Based on the inspection and records review, Mack Industries of Michigan appears to be in compliance with applicable air quality regulations.

NAME Lauren Magirl

DATE 7/17/18

SUPERVISOR SK