

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

A650139505

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|---------------------------------|-------------------------------|---------------------------|
| FACILITY: Great Lakes Fusion | | SRN / ID: A6501 |
| LOCATION: 7505 HWY M-71, DURAND | | DISTRICT: Lansing |
| CITY: DURAND | | COUNTY: SHIAWASSEE |
| CONTACT: Bryan Marks , Owner | | ACTIVITY DATE: 04/19/2017 |
| STAFF: Julie Brunner | COMPLIANCE STATUS: Compliance | SOURCE CLASS: MINOR |
| SUBJECT: Scheduled Inspection | | |
| RESOLVED COMPLAINTS: | | |

On April 19, 2017, I conducted an unannounced, scheduled inspection of the former Premarc Corporation - Marsh Products in Durand. This facility was last inspected on January 31, 2012, and the facility was closing due to bankruptcy.

Facility Name/Address:

Former Premarc Corporation - Marsh Products
7505 East M-71, Durand, Michigan

Facility Contact:

Mr. Bryan Marks, Great Lakes Fusion, Owner, 989-288-2656, bmarks@greatlakesfusion.com
Mr. Joe Libby, Great Lakes Fusion, Sales, 989-288-2656, jlibby@greatlakesfusion.com

Facility Description:

Premarc Corporation was a privately held company in Durand, MI. Records show it was established in 1927 and incorporated in Michigan. Premarc Corporation and Grand River Infrastructure, Inc., (together "Premarc") manufactured concrete and steel products and components, offering reinforced and non-reinforced concrete pipe products for culvert, storm and sanitary sewer applications, pre-stressed concrete bridge beams and corrugated metal pipe. Premarc had manufacturing operations in Cadillac, Clarkston, Durand and Grand Rapids, MI. In November 2011, Premarc filed for relief under Chapter 11 of the United States Bankruptcy Code. As of July 17, 2012, Premarc Corporation operates as a subsidiary of Northern Concrete Pipe, Inc. (NCP). NCP acquired Premarc's facilities, equipment, and inventory located in Clarkston, Durand and Grand Rapids, MI, pursuant to Section 363 of the United States Bankruptcy Code. NCP integrated and assimilated Premarc operations. Premarc was a minor source.

Mr. Bryan Marks bought the property in 2014 which included the manufacturing plant, and a large dirt/gravel yard (~ 40 acres) where concrete pipe left from Premarc is stored. Mr. Marks owns and operates Great Lakes Fusion (GLF) which is a construction company. He also leases additional commercial space to two tenants. One tenant is Vernon Upholstery and Sewing, and another is a wood furniture refurbishing company called 2nd Chance Wood. A new business venture, Great Lake Rental and Supply is set to open up soon. GLF is located in southeast Durand. The area surrounding the plant is mixed use with residential housing to the west and north and agricultural and commercial properties surrounding it.

Commencement of Mfg. Operations: 2014

Staff #: 55 Shifts/Day: 1 shift (8 hours) Days of Operation/Week: 5 (6 only if necessary)

Boilers? No

Emergency Generators? No

Cold Cleaners? Yes If yes, label(s) were provided.

Additional Exempt Equipment:

Redi-Mix Plant, exemption Rule 289(2)(d).

1000 gallon double-walled fuel oil tank for fueling facility equipment, exemption Rule 284(2)(d)

List of Active Air Use Permits:

Permit to Install (PTI) No. 548-78 for 2 Griffen 36-KS silo filter vent obstacle hopper "A" - The concrete pipe manufacturing process consists of a small batch concrete plant, three 2-piece pipe forms, conveyance systems and a steam curing oven.

Regulatory Review:

The facility is a minor source of any regulated air contaminants including hazardous air pollutants (HAPs) and not subject to the Title V Renewable Operating Permit (ROP) program.

Michigan Air Emissions Reporting System (MAERS):

The facility is not required to report emission information to MAERS.

Inspection:

Arrived: 1:53 PM

Departed: 3:03 PM

Weather: ~73°F, partly cloudy, little wind

No visible emissions (VEs) were observed from any of the facility exhaust stacks upon arrival. No odors were identified surrounding the facility.

A pre-inspection meeting was conducted with Mr. Bryan Marks and Mr. Joe Libby. The purpose of my visit and the status of the facility operations were discussed. Then a facility tour was taken.

When Brian bought the property, the Premarc equipment that was permitted on PTI No. 548-78 was left in place. The equipment is not functional and has not been used since Premark owned the facility. The permit will be voided.

A briefcase sized parts washer/cleaner that uses mineral spirits is located in garage/shop area. The lid on the machine was closed. The parts cleaner is not used very often and the motor is currently broken. This cold cleaner is exempt per Rule 281(2)(h).

A Redi-Mix concrete plant is located outside on the northeast side of the building. The Redi-Mix plant is dated 1986 and is a Stephens Redi-Mix, Model TB-10 cubic yard, Serial No. 3617. The bin vent filter on top of the powder silo was replaced last year. In 2016, 12,500 cubic yards of redi-mix was produced. The plant was not operating at the time of inspection but the plant yard appeared clear of debris from the concrete plant. The nearest neighbor appears to be located greater than 600 feet away.

The plant appears to be operating according to exemption from permitting Rule 289(2)(d) which requires the concrete batch plant to meet all of the following:

- (i) The plant shall produce not more than 200,000 cubic yards per year.
- (ii) The plant shall use a fabric filter dust collector, a slurry mixer system, a drop chute, a mixer flap gate, or an enclosure for truck loading operations.
- (iii) All cement handling operations, such as silo loading and cement weighing hoppers, shall either be enclosed by a building or equipped with a fabric filter dust control.
- (iv) The owner or operator shall keep monthly records of the cubic yards of concrete produced.
- (v) Before commencing operations, the owner or operator shall notify the appropriate district supervisor of the location where the concrete batch plant will be operating under this exemption.
- (vi) The concrete batch plant shall be located not less than 250 feet from any residential or commercial establishment or place of public assembly unless all of the cement handling operations, excluding the cement silo storage and loading operations, are enclosed within at least a 3-sided structure.
- (vii) The owner or operator shall implement the following fugitive dust plan:
 - (A) The drop distance at each transfer point shall be reduced to the minimum the equipment can achieve.
 - (B) On-site vehicles shall be loaded to prevent their contents from dropping, leaking, blowing, or otherwise escaping. This shall be accomplished by loading so that no part of the

load shall come in contact within 6 inches of the top of any sideboard, side panel, or tailgate. Otherwise, the truck shall be tarped.

(C) All of the following provisions apply for site roadways and the plant yard:

(1) The dust on the site roadways and the plant yard shall be controlled by applications of water, calcium chloride, or other acceptable and approved fugitive dust control compounds. Applications of dust suppressants shall be done as often as necessary to meet an opacity limit of 5%.

(2) All paved roadways and plant yards shall be swept as needed between applications.

(3) Any material spillage on roads shall be cleaned up immediately.

(4) A record of all applications of dust suppressants and roadway and plant yard sweepings shall be kept for the most recent 5-year period and be made available to the department upon request.

(D) All of the following provisions apply for storage piles:

(1) Stockpiling of all nonmetallic minerals shall be performed to minimize drop distance and control potential dust problems.

(2) Stockpiles shall be watered on an as-needed basis in order to meet an opacity limit of 5%. Equipment to apply water or dust suppressant shall be available at the site or on call for use at the site within a given operating day.

(3) A record of all watering shall be kept on file for the most recent 5-year period and be made available to the department upon request.

(E) The provisions and procedures of this fugitive dust plan are subject to adjustment by written notification from the department if, following an inspection, the department determines the fugitive dust requirements or permitted opacity limits are not being met.

Bryan and Joe are looking into buying a portable crusher to crush all the concrete pipe left over from Premarc. A copy of the general PTI was sent to them. They already have local approval for land use and are looking at a used crusher.

Summary:

The facility appeared to be in compliance with all applicable air quality rules and regulations.

A request to void PTI No. 548-78 was made on April 20, 2017.

NAME Duke L. Brown

DATE 4/25/17

SUPERVISOR D.M.

