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

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| FACILITY: MARQUETTE BOARD OF LIGHT & POWER | | SRN / ID: B1833 |
| LOCATION: 400 E HAMPTON, MARQUETTE | | DISTRICT: Upper Peninsula |
| CITY: MARQUETTE | | COUNTY: MARQUETTE |
| CONTACT: THOMAS J SKEWIS , ENVIRONMENTAL TECHNICIAN | | ACTIVITY DATE: 09/10/2014 |
| STAFF: Ed Lancaster | COMPLIANCE STATUS: Compliance | SOURCE CLASS: MAJOR |
| SUBJECT: Conducted a scheduled, compliance inspection with Tom Skewis and Tim Kopacz. | | |
| RESOLVED COMPLAINTS: | | |

I arrived at the facility and met with Tom Skewis, MBL&P Environmental Technician, and Tim Kopacz, MBL&P Process Engineer, for a scheduled compliance inspection. On the day of the inspection the area was receiving a heavy rainfall and there was concern that the site's storm water capture system may overflow.

MBL&P was issued their renewal MI-ROP-B1833-2013 on September 26, 2013. We began the inspection reviewing the conditions for each emission unit and then went into the plant to observe the plant in operation.

Mr. Skewis informed me EUBOILER#1 is not operable in its current condition and was last operated several years ago (possible the early part of the 1980s).

EUBOILER#2: Was not operating during the inspection. The most recent stack test for Boiler #2 was conducted on October 4, 2011. The results of this test showed the average NOx emission of 0.377 pounds per million BTU (SC No. I.1) were in compliance. The last shipment of coal received by the plant was on June 7, 2013. Boiler#2 is fired with eastern coal. The sulfur content of the coal was 0.89% SC No. II.1. The company is planning on stack testing in the summer of 2016 to meet the requirements of SC No. V.1. To show compliance with Rule 801 the plant has chosen the conditions in Rule 801(9)(b)(ii) by conducting performance tests once every five years during the ozone control period (SC No. V.3.b). The Plant uses the Stack Vision Program to monitor and record opacity data (SC Nos. VII.1-6). Opacity typically is recorded at less than 1%.

EUBOILER#3: Records indicate the NOx emissions for the 2014 1st and 2nd quarters averaged 0.185 and 0.178 pounds per million BTU heat input, respectively (SC No. I.1). SO2 emissions for the 2nd quarter averaged 0.131 pounds per million BTU and the average percent removal of SO2 was 75.4% (SC Nos. I.3 and 4, and VI. 1 and 2). The boiler is fired on western coal with an average sulfur content of 0.21%, 4.47% ash and 8,222 BTUs/pound (SC Nos. II.1 and VI.4). The plant is planning on conducting PM stack testing in the summer of 2016 (SC No. V.1). Mr. Skewis said their opacity monitor has become obsolete and they plan on replacing it within a year with an opacity/PM monitor (SC No.VI.3).

EUCOAL: As mentioned above it was raining heavily during the inspection, therefore there were no VEs from the coal handling operations (SC Nos. I.1and 2). The plant does operate four water sprayer guns in the coal yard on an as needed basis. Because of the nature of eastern and western coal, the plant keeps the eastern coal covered with tarps to protect it and keep it from freezing during the winter (SC No. III.1).

EULIME: The plant has a Fugitive Dust Plan which it follows for all coal, ash and lime handling operations. Mr. Skewis explained the lime is vacuum transported from the delivery truck into a silo, controlled by a baghouse. When needed the lime is mixed with water to form a slurry which is pumped into the scrubber.

At the time of the inspection the company appeared to be in compliance with their ROP.

NAME Ed Lancaster DATE 10/8/14 SUPERVISOR _____