

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

B196642391

FACILITY: WHITE PINE ELECTRIC POWER LLC		SRN / ID: B1966
LOCATION: 29639 WILLOW ROAD, WHITE PINE		DISTRICT: Upper Peninsula
CITY: WHITE PINE		COUNTY: ONTONAGON
CONTACT: JAMES R RICHARDSON, TECHNICAL MANAGER		ACTIVITY DATE: 11/02/2017
STAFF: Shamim Ahammod	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MAJOR
SUBJECT: Scheduled inspection.		
RESOLVED COMPLAINTS:		

On November 2, 2017, I conducted a scheduled inspection of the White Pine Electric Power LLC. The facility is located in White Pine, Ontonagon County, east of M-64 and adjacent to the White Pine Copper Refinery. Joe Scanlan and I arrived at the facility's office at 11.15 AM. and met with JR Richardson-Manager of the Environmental Affairs, Zach Halkola-Chief Operating Officer, and Dick Barlock-Special Projects Manager. The purpose of the inspection was to conduct a scheduled inspection of the facility and make sure they are in compliance with Permit No. MI-ROP-b1966-2014a. After a short meeting at their office area, we drove over to the power plant where we were given a brief tour by JR Richardson and Zach Halkola and shown the boiler operator room, boilers and turbine.

The facility currently operates under Renewable Operating Permit (ROP) # MI-ROP-b1966-2014a. On October 20, 2017, they have submitted ROP renewable application #201700131. I am in the process of drafting a ROP renewal.

During our inspection, none of the boilers were operating and we noticed there was no heat inside the facility. Power Boiler #1, Power Boiler # 2 and Kewanee Boiler last operated November 2016.

Per our discussion with JR Richardson and Zack Halkola, we learned that all emission units are natural gas-fired unit except EU-EMERDGS (35 KW Emergency Diesel Generator). Mr. JR Richardson told me that turbine number three is on under due care maintenance, and turbine numbers one and two are properly working but they are not using currently.

#### EUPP03 IBW Boiler:

IBW Boiler fired by natural gas (Special Condition II, 1) and originally permitted under Permit No. 30-82 and re-permitted under Permit No. 294-07B. The nominal heat input capacity of the IBW BOILER is 40 million BTU per hour and the emission limit of this boiler is 0.23 pounds per million BTU for Carbon monoxide and 0.20 pounds per million BTU for Nitrogen Oxides. The company did not operate this equipment in 2016 and 2017. Therefore, there were no emission to the atmosphere. This satisfies the permit requirements set forth in MI-ROP-b1966-2014a (Special condition I, 1 and 2 respectively).

#### EUPP04 Riley Heating Boiler:

The Riley Heating Boiler is a natural gas-fired unit (SC, II,1). The Riley Heating Boiler has a rated heat input capacity of 33 million BTU per hour (PTI No. 142-14). It has no emission limits. This satisfies the permit requirements set forth in MI-ROP-b1966-2014a.

#### EUPP07 Kewanee Boiler:

The Kewanee Boiler burns natural gas and was installed in 1982. The boiler has a rated

heat input of 25.1 million BTU per hour and an approximately steam generation capacity of 24,000 pounds per hour. There are no emission and materials limits. This satisfies the permit requirements set forth in MI-ROP-b1966-2014a.

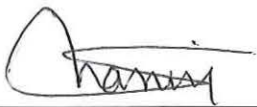
**Riley Power Boilers #1 and #2:**

The Riley Power Boilers #1 and # 2 have both have had their coal firing capabilities removed and are natural gas fired units only as mandated by a Consent Agreement and Final Order (CAFO) between White Pine Electric Power LLC and the USAEPA Region V in Docket No. CAA-05-2014-0044. The rated heat input capacity of each boiler is 222 million BTU per hour. Each power boiler serves a steam turbine-electrical generator set rated at 20 megawatts. (PTI No. 142-14).

The 2016 MAERS reported PM, SO<sub>2</sub> and NO<sub>x</sub> emissions were 0.0075 Ib/MMBTU (0.010 Ib/MMBTU permitted), 0.0006 Ib/MMBTU (0.010 Ib/MMBTU permitted), and 0.0988 Ib/MMBTU (0.190 Ib/MMBTU Permitted) respectively.

The Riley Power Boilers #1 and # 2 both are natural gas fired units, they are compliant (sc II, 1). The permittee demonstrated ongoing compliance with the permit's record keeping and reporting requirements.

Via onsite inspection, review of records, and discussion with staff, the facility appeared to be in compliance with the conditions of Permit No. MI-ROP-b1966-2014a.

NAME 

DATE 11.17.2017

SUPERVISOR 