

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

B196635498

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: 07/12/2016
STAFF: Ed Lancaster	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MAJOR
SUBJECT: Conducted a scheduled, compliance inspection.		
RESOLVED COMPLAINTS:		

I arrived at White Pine Electric Power and met with JR Richardson and Jill Pentecost, Plant Manager. The Power plant is located in White Pine, Ontonagon County, east of M-64 and adjacent to the White Pine Copper Refinery.

The company's ROP No. MI-ROP-B1966-2014a was issued on January 13, 2014 and revised on July 6, 2015. The purpose of the minor modification was to incorporate Permit to Install (PTI) No. 142-14, which incorporated the requirements from CAFO No. CAA-05-2014-0044. The minor modification required the removal of coal firing capability in boilers EUPP05 and EUPP06. Additionally EUPP04 (the Riley Boiler) had its coal firing capability removed. All the boilers at the power plant can only be fired with natural gas.

After EUPP05 and EUPP06 were converted to natural gas, the MidContinent System Operator placed the No. 2 turbine generator in System Support Resource (SSR), essentially retiring the unit.

At the time of my inspection, none of the boilers were operating.

The IBW Boiler (EUPP03) and Riley Heating Boiler (EUPP04) have not operated in over five years. The IBW Boiler has had its wood-firing capabilities removed as required by EUPP03 Special Condition (SC) No. IV.1. Both units can only be fired with natural gas SC Nos. II.1.

The Kewanee Boiler (EEPP07) is used for heat only. It is typically only operated during the heating season of November through April. At the time of my inspection the boiler was opened up for maintenance.

FG-PP05&06 represents the two 220 MMBTU/hour Riley Power Boilers and three (3) turbine generator sets. Because the No. 2 turbine generator set was retired, PP06 is rarely operated. During the inspection a dehumidifier was connected to the boiler to keep it dry and ready to be fired, in case there are difficulties with unit PP05. The boilers are cross connected to the turbine generators so that either boiler could provide steam to the units. Ms. Pentecost informed me the No. 3 generator has not operated in a number of years and provided me with a list of the dates EUPP05 has recently operated.

The "Must Run" dates when PP05 operated were November 3-6, 2015 and April 11-15, 2016. The company conducted a "Test Run" on the unit March 31, 2016. Mr. Richardson sent an electronic file of the number of days PP05 has operated each month since September 24, 2015 to July 12, 2016, a total of 17 days. Natural gas usage for the first 6-months of 2016 totaled 12,710 MCF. The Kewanee Boiler consumed 10,077 MCF during the same time period.

Emissions testing for PP05 and PP06 were conducted in September and March 2015, respectively. Both units were in compliance with their PM, SO2 and NOx emission limits.

The company has been timely in submitting their MAERS and semiannual ROP reports.

At the time of my inspection the facility appeared to be in compliance.

NAME Ed Lancaster DATE 7/20/16 SUPERVISOR Dan W. Mahli