

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

N617135315

FACILITY: Wolverine Power, Tower Power Plant		SRN / ID: N6171
LOCATION: 9663 COOP ROAD, TOWER		DISTRICT: Gaylord
CITY: TOWER		COUNTY: CHEBOYGAN
CONTACT:		ACTIVITY DATE: 03/23/2016
STAFF: Becky Radulski	COMPLIANCE STATUS: Compliance	SOURCE CLASS: SM OPT OUT
SUBJECT: scheduled inspection and records review		
RESOLVED COMPLAINTS:		

AQD staff inspected N6171 Wolverine Power Supply Tower Plant, located at 9663 Co-op Rd, Tower, Michigan on March 23 and June 22, 2016 to determine compliance with PTI 485-96. The facility is an opt-out in Cheboygan County.

Permit 485-96 is for a small peaking plant, and originally consisted of 4 units. The 3 1313 kw diesel power generators were dismantled in 2012 (considered Units 1, 2 and 3). The 4th unit remains in use. Unit 4 can operate on diesel fuel or natural gas, however no natural gas is used at this time.

The facility was not operating during either site visit. The facility is fenced, the fence is in good condition. There is a diesel storage tank in a bermed which appears to have dirt/grass but could be lined underneath.

Staff emailed Jim Tucker, previous contact for Wolverine's Gaylord and Tower Plants. However, when no response was received, Staff contacted Laura Hoisington (lhoisington@wpsci.com). Laura indicated Jim Tucker no longer works for Wolverine, and the contact for the Gaylord, Tower and Alpine Plants is Bruce Kirby (bkirby@wpsci.com, 231-429-1988). This information was passed along to the inspector for the Gaylord Plant (the Alpine Plant is new and Bruce has been known as the contact already).

OPERATION:

Since this is one of several peaking plants in the area, it does not operate often. With the construction of the new Alpine Plant, it will operate even less. Per MAERS, Unit 4 operated 4 days in 2015. Bruce Kirby provided the following information on operation: *We have only ran Tower twice since I have been here (beginning of May 2016). I don't foresee us running Tower anytime in the near future unless we have some type of generation emergency within our market.* Staff asked Bruce to contact them when the unit next goes online.

RECORDS:

Laura Hoisington provided the following information on records. Laura indicated Unit 4 operated less than 24 hours in May, and less than 3 hours in July. Otherwise the unit has not operated since December of 2015.

PTI 485-96 Special Conditions:

Permitted Limits:

NOx – 88 tons per year, based on 12 month rolling

13 and 14. NOx from facility shall not exceed 88 tpy, based on 12 month rolling: Records were provided. NOx is reported as 3.06 tons, based on 12 month rolling.

15. Visible emissions: Unit 4 was not operating at the time of the inspection to record visible emissions. When in the area staff will go by the facility to get an opacity reading when the unit is in operation. The unit is a peaking facility and not operated on a set schedule. Staff requested Bruce Kirby to contact AQD when the unit will next be operating.

16. Testing if requested by AQD: Testing has not been requested at this facility.

17, 18 and 19. Fuel use for Units 1, 2, and 3: These units were disabled in 2012.

20 and 21. Fuel use for Unit 4: Unit 4 is a dual fuel unit. Facility tracks fuel use as demonstrated in SC 22-24 below.

22. Unit 4 shall not exceed 1,225,044 gallons #2 diesel fuel in any calendar year: MAERS from 2015 calendar year report usage was 25,000 gallons. So far in 2016 usage is 38,737 gallons. The usage is well below permitted limit.

23 and 24. Unit 4 shall not exceed 266.7 mcf natural gas in any calendar year: Although the unit is equipped to operate with natural gas, there is no natural gas source at the facility. The closest natural gas line is approximately 14 miles away. Records were provided, no natural gas is used in Unit 4.

Based on the site inspection and facility walk through, the facility appears to be operating within conditions of PTI 485-96.

NAME Becky Radulski

DATE 8/16/16

SUPERVISOR 