

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

N594023878

FACILITY: POTLATCH LAND & LUMBER LLC.		SRN / ID: N5940
LOCATION: 650 A AVENUE, GWINN		DISTRICT: Upper Peninsula
CITY: GWINN		COUNTY: MARQUETTE
CONTACT: LAUREN LUENEBURG , ENVIRONMENTAL COORDINATOR		ACTIVITY DATE: 12/13/2013
STAFF: Tom Maki	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MAJOR
SUBJECT: Conducted Scheduled Inspection of the POTLATCH GWINN LUMBER MILL at KI Sawyer December 13, 2013. My contacts were Lauren Lueneburg and Ron Salisbury. Both wood fired boilers and the natural gas fired boiler were in operation at the time of my inspection.		
RESOLVED COMPLAINTS:		

On December 13, 2013, I conducted a Scheduled Inspection of the POTLATCH GWINN LUMBER MILL at KI Sawyer. My contacts were Laurel Lueneburg and Ron Salisbury. Lauren is the new Environmental Coordinator replacing Jason Salzwedel who is the new Safety Coordinator. The Potlatch Gwinn Lumber Mill saws, kiln dries, and planes softwood lumber. At the time of my inspection, wood-fired Boilers #1 and #2 and the natural gas fired boiler were in operation. Steam generation rates on the three boilers were: Boiler #1 13,000 pph, Boiler #2 18,000 pph, and the natural gas-fired boiler 11,000 pph.

In 2011, the company failed to meet the Boiler #2 particulate emission limits of 0.20 #/MMBTU and 5.7 #/hour. A LOV was sent to the company July 5, 2011. Following a series of repairs to Boilers #1 and #2 and particulate re-test, the company to show compliance with the particulate limits. The Interpoll test report of the October 18, 2011 testing of Boiler #2 showed compliance with both the #/MMBTU and #/hour emission limits.

Boilers #1 and #2 are each equipped with two multiclone dust collectors in series. Previously, collected ash from the first multiclone set was reinjected back to the boiler. Only ash collected from the second multicyclone was sent to the ash dump box outside the boilerhouse. It appears that this dust collector configuration was contributing to consistently high exhaust particulate loading.

The new configuration retains the coarse ash reinjection from the back boiler pass on both Boilers #1 and #2. The new configuration uses blowers in the boilerhouse to pneumatically convey ash from all four multiclone sets to the east or west bunkers some distance from the boilerhouse. This ash is used as a soil conditioner by local farmers.

Potlatch submitted ROP renewal application #201100126 November 2, 2011. Renewal ROP was processed by Shane Nixon, and ROP #MI-ROP-N5940-2013 was issued effective October 4, 2013. This ROP included requirements of Permit to Install #127-02B which was approved January 11, 2013. These PTI limits restricted the emission of HAPs to minor source levels. The conditions are carried over into the renewal ROP, Individual HAP and Aggregate HAP emission limits specified in the Source-Wide Conditions table. However, the facility IS a major source of VOC, chiefly from the drying kilns, and so is required to obtain a Renewable Operating Permit.

ROP #MI-ROP-N5940-2013 contains requirements which were not included in previous ROP #MI-ROP-N5940-2007. These include 40 CFR Part 64 (CAM) requirements, found in FG-WOODBOILERS and FG-PLANERSYSTEM; requirements for individual and aggregate HAP Limits, a Malfunction Abatement Plan, and a Fugitive Dust Plan all found in the Source-Wide Conditions; requirements for 40 CFR 63 Subpart JJJJJ Area Source Boiler Requirements, found in EU-GASBOILER and FG-WOODBOILERS; 40 CFR 60 Subpart IIII and 40 CFR 63 Subpart ZZZZ requirements, found in EU-GENERATOR and FG-FIREPUMPS.

At the time of my inspection, I noted no violations of the Michigan Air Pollution Control Rules or conditions of the facility's Renewable Operating Permit. The facility will be considered in compliance at this time.

NAME TM

DATE 12/16/13

SUPERVISOR _____