

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

N614445400

FACILITY: TRENDWELL ANTRIM INC - AVERY 15		SRN / ID: N6144
LOCATION: NW SE SE T10N R3E SEC 15, AVERY TWP		DISTRICT: Gaylord
CITY: AVERY TWP		COUNTY: MONTMORENCY
CONTACT: Danita Greene, Production and Environmental Compliance		ACTIVITY DATE: 06/28/2018
STAFF: Becky Radulski	COMPLIANCE STATUS: Compliance	SOURCE CLASS: SM OPT OUT
SUBJECT: scheduled inspection		
RESOLVED COMPLAINTS:		

AQD Staff traveled to N6144 Trendwell Avery 15 Central Production Facility (CPF) located in Avery Township, Montmorency County, for a scheduled inspection to determine compliance with PTI 198-07A. This is an opt out permit.

The Avery 15 CPF is a natural gas production facility, extracting gas from the Antrim formation. Natural gas and brine fluids are extracted from wells drilled into producing reservoirs then transmitted through flow lines to a CPF. The gas is compressed by two engines, and water is removed by a glycol dehydrator.

#### LOCATION

The facility is located south east of Atlanta. From Atlanta, travel 3.5 miles east on M-32. Go south on Hall Rd past the two curves. The dirt access road to the facility is on the west side of the road.

#### REGULATORY DISCUSSION

PTI 198-07A was issued November 10, 2011, voiding prior permit 198-07. The permit was updated in 2007 to reflect changing the CPF from 3 engines to 2 engines. One existing engine was switched out for a smaller engine.

The engines are subject to 40 CFR Part 63, Subpart ZZZZ, which has not been delegated to MDEQ from EPA.

The glycol dehydrator is subject to 40 CFR Part 63, Subpart HH, which has not been delegated to MDEQ from EPA.

#### INSPECTION NOTES

The source consists of one large building containing two engines, a tank farm with two tanks, a glycol dehydrator and a meter building. The gate into the facility was open. The doors to the compressor building were open. The engines were loud, the facility has no immediate neighbors.

The two engines were operating during the inspection. No visible emissions or odors were detected. EUENGINE1, the north engine, is a Caterpillar 3516 LE, 1085 hp, identified as Unit 887. The engine was operating at 1148 RPM, 56 psi engine oil pressure. The stack visually appeared to meet the permitted stack height and diameter of 40.5 feet and 12 inches, respectively. The stack had a muffler and discharged unobstructed vertically upwards. A previous inspection in 2013 also identified this engine as Unit 887.

EUENGINE2, the south engine, is a Caterpillar 3406 HCNA 215 hp, identified on the skid and clipboard as Unit 148 (NGCS 148). The engine was operating at 1486 RPM, 60 psi engine oil pressure. The engine has a catalytic convertor. The inlet temperature to the catalytic convertor was 1005 degrees Fahrenheit, while the outlet was 1121 degrees Fahrenheit. These temperatures are within the range established in the Malfunction Abatement Plan. The stack visually appeared to meet the permitted stack height and diameter of 40.5 feet and 4 inches, respectively. The stack had a muffler and discharged unobstructed vertically upwards. A previous inspection in 2013 also identified this engine as Unit 148.

A bermed, lined tank farm is located to the north of the building. Two tanks (1 400 barrel tank, 1 200 barrel tank) are within the containment. The tanks are not labeled.

The glycol dehydrator is located east of the tanks. The unit was emitting steam, light odor detected. A 55 gallon drum of triethylene glycol was located in containment next to the dehy unit.

**COMPLIANCE DETERMINATION**

Based on the scheduled inspection, N6144 Trendwell Avery 15 CPF appears to be in compliance with PTI 198-07A. Records were reviewed separately.

NAME Becky Radulski

DATE 8/2/18

SUPERVISOR SN