

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

N782234331

FACILITY: TRENDWELL ANTRIM INC- Section 4 Wells		SRN / ID: N7822
LOCATION: SECT 4 WELLS SW SW NW SEC 4 T29N R2E, ALBERT TWP		DISTRICT: Cadillac
CITY: ALBERT TWP		COUNTY: MONTMORENCY
CONTACT:		ACTIVITY DATE: 04/21/2016
STAFF: Kurt Childs	COMPLIANCE STATUS: Compliance	SOURCE CLASS: SM OPT OUT
SUBJECT: 2016 FCE.		
RESOLVED COMPLAINTS:		

2016 Full Compliance Evaluation (FCE) including site inspection and records review for Trendwell Energy Corporation (TEC) Section 4 Wells facility, PTI 200-07.

INTRODUCTION

I conducted a Full Compliance Evaluation of the Trendwell Energy (TEC) Section 4 Wells facility to determine compliance with opt-out permit number 200-07 and the Air Pollution Control Rules. The weather was overcast, 50 degrees with light rain and South winds. The facility consists of one building housing separators and a compressor/engine. There are no tanks, heaters, flares, or dehydrators. The compressor engine is a Caterpillar G3406 HCTA with no catalytic converter control.

OBSERVATIONS

The compressor engine was running at 939 RPM with an oil pressure of 42 psi which was consistent with readings entered on the daily inspection log sheet present at the facility. The engine was equipped with a fuel meter as required by PTI 200-07. There was a water vapor plume visible from the single compressor engine stack but no odors were present and the stack appeared to meet the 8" max. diameter and 48' min. height requirements of the PTI. Stack testing has not been required.

EUENGINE1

1.1a NOx emission limit 67.3 TPY, based on a 12-mos. rolling time period. Emission records (attached) indicate the NOx emissions average around 27 TPY, 12-mos. rolling time period as updated each calendar month.

1.1b CO emission limit 5 TPY, based on a 12-mos. rolling time period. Emission records (attached) indicate the CO emissions average around 2 TPY, 12-mos. rolling time period as updated each calendar month.

1.2 The facility has an active PM/MAP that was most recently updated and approved on April 16, 2014 with current operating variables.

1.3, 1.9. EUENGINE1 is not equipped with a control device so these two special conditions addressing the amount of time the engine operated without control are not currently applicable.

1.4. This special condition requires proper installation, maintenance and operation of the control device. Since there is no control device the special condition is not currently applicable.

1.5. NOx and CO testing has not been requested by the AQD District Supervisor.

1.6 and 1.10. The amount of natural gas used by the compressor engine is being monitored and recorded as required. There is no limit on usage. Facility records indicate that 12-month rolling time period fuel usage is around 9000 Mcf.

1.7, 1.11, 1.12. Monthly emission calculations are maintained (attached) and indicate compliance with the individual emission limits for EUENGINE1.

1.8. Significant maintenance activities for EUENGINE1 are being logged at the facility (see attached).

1.13. The stack parameters for EUENGINE1 do not appear to have changed since the last inspection and appear compliant with the permit specifications.

FG-FACILITY

2.1 Sour gas is not burned in the engine.

2.2 Verification of H2S content has not been requested.

CONCLUSION

As a result of the inspection and the records review it appears the Section 4 Wells facility is in compliance with PTI 200-07 at this time.

NAME 

DATE 4-26-16

SUPERVISOR 