

DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION
ACTIVITY REPORT: Stack Test Observation

N294025467

FACILITY: DCP Antrim Gas LLC		SRN / ID: N2940
LOCATION: 6250 OLD STATE RD, JOHANNESBURG		DISTRICT: Cadillac
CITY: JOHANNESBURG		COUNTY: OTSEGO
CONTACT: Dave Bennett , Assistant Plant Manager		ACTIVITY DATE: 06/06/2014
STAFF: Becky Radulski	COMPLIANCE STATUS:	SOURCE CLASS: MAJOR
SUBJECT: stack test observation - Plant 5 Heater		
RESOLVED COMPLAINTS:		

Traveled to N2940 DCP on 6/6/14 to observe stack testing to determine compliance with ROP MI-ROP-N2940-2009a. Testing for today was on the Plant 5 Heater (EUPLANT501 - part of FGPLANTPH)

Present at the testing:

BTEC: Ken, Kenny F and Steve (on stack)

AQD: Tom Gasloli, Becky Radulski

DCP: Jeff (collect readings), Tab (Operator)

DCP's incoming gas, per Tab: 4 pipelines come into DCP. North Chester, owned by MichCon, goes to Turtle Lake. Little Bear, Spartan and South Chester pipelines are all owned by DCP. After the gas leaves DCP it goes to Kalkaska.

Arrived at site at 9 am. Testers were in place but they were unable to get the caps off the testing ports. The first run began at 11 am and ended at 12:06, with 15 minute data readings. Data was recorded by a combination of control room (Tab) and monitors in Plant 5 (Jeff) per Table 4 of the May 21, 2014 test plan provided by BTEC and DCP. The flash gas monitor for Plant 5 was not operating. This monitor is maintained by MichCon. MichCon was called at 10:30 am to have someone come fix the monitor however it will likely not be done before testing complete. The natural gas into the heater was to be recorded as well, however Jeff explained that the meter/monitor indicate natural gas into Plant 5, not just the heater. Per Jeff the other natural gas used would be at the glycol system, which uses a steady rate of natural gas but which has never been quantified.

The heater has a damper on the exhaust stack which is adjustable by cables from the ground. DCP indicated that the damper is not typically adjusted. The damper is a split valve design. Drawings are available in the office. There are also adjustable vents underneath the unit. These are also not typically adjusted however it was mentioned that vibration has moved the levers previously.

Following Run 1 BTEC performed calculations to determine preliminary emissions, lb/hr. Per calculations, the heater failed on NOx but passed on CO which was running low. Discussions were had with DCP staff to discuss adjusting the vents under the heater while the testers took instantaneous readings to determine new vent set points. Following this discussion it was noted that an incorrect stack diameter was entered into the spreadsheet and both the NOx and CO had passed.

NAME Becky Radulski

DATE 6/10/14

SUPERVISOR 