

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

N740947827

FACILITY: BreitBurn Operating LP - PDC BOOSTER		SRN / ID: N7409
LOCATION: SE SECTION 12, T25N, R5W, EIGHT POINT RD, KALKASKA		DISTRICT: Gaylord
CITY: KALKASKA		COUNTY: KALKASKA
CONTACT: Carolann Knapp, Environmental Specialist		ACTIVITY DATE: 12/19/2018
STAFF: Becky Radulski	COMPLIANCE STATUS: Compliance	SOURCE CLASS: SM OPT OUT
SUBJECT: records review and inspection		
RESOLVED COMPLAINTS:		

On December 19, 2018 AQD Staff traveled to N7409 Breitburn PDC Booster Central Production Facility (CPF), located in Garfield Township, Kalkaska County, for a scheduled inspection to determine compliance with PTI 253-04. This is an opt out permit.

The PDC Booster CPF is an oil and gas production facility. 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 one engine.

LOCATION

The facility is located in the south-east corner of Kalkaska County. From Grayling, travel south on I-75 to the 4-mile Rd exit. Follow 4-mile Rd west to South Military Rd, turn south; travel to 7 -Mile Rd, turn west; follow 4 miles to the Kalkaska County Line Rd, turn north; travel 1 mile to the intersection of Kalkaska County Line Rd and 8 Point Rd, the facility is on the northwest corner.

REGULATORY DISCUSSION

PTI 253-04 was issued January 20, 2005, and is currently active. The permit was issued for one Caterpillar 398 TA 700 HP engine, replacing an existing Caterpillar 398 500 HP engine.

The engine is 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

During the inspection, the sky was partly cloudy, 33 degrees Fahrenheit with light snow on the ground. The facility has a sign on the building indicating the source name, location and emergency contact information. The facility does not have a fence or gate.

The facility consists of one small building containing one engine. A tank storage area is located east of the building. A glycol dehydrator unit is located outside the building. The facility is in a remote area. The doors to the building were closed.

The engine was operating with no visible emissions or odor present. The engine is noted on the clipboard at the facility as a Caterpillar 398. The engine skid, clipboard and records received identify this unit as GCS 392 or Unit 392. The engine has a catalyst and

muffler. The pre-catalyst temperature was 962 degrees F and the post-catalyst temperature was 984 degrees F. The engine was operating at 892 RPM and 53 PSI oil pressure.

A bermed tank storage area is located east of the building, containing one 100-bbl tank.

The dehy was operating during the inspection. There were no odors noted.

RECORDS REVIEW

PTI 253-004 – EUICE, EUDEHY

EUICE – natural gas fired internal combustion engine, 700 HP CAT 398 TA, driving a compressor

Emission limits – The nitrogen oxides (NOx) emissions are limited to 88 tons per year, based on 12 month rolling average. Records were provided. Records indicate the 12 month rolling NOx emissions were 3 tpy, with the highest emissions in the past 12 months being 4 tpy based on 12 month rolling. Records provided demonstrate compliance with the requirements.

Material Usage Limits – The natural gas is limited to 51,508,800 cubic feet burned per year, based on a 12 month rolling period. The facility monitors volumetric flow rate of natural gas. Records were provided and report 20,400 cubic feet of natural gas used based on 12 month rolling. Records provided demonstrate compliance with the requirements.

Stack/Vent Restrictions - SVICE is required to have a maximum of 8 inches diameter and minimum height above ground of 21 feet. SVDEHY is required to have a maximum of 2 inches diameter and minimum height above ground of 20 feet. Based on visual estimates during the onsite inspection, the stacks meet these requirements.

EUDEHY – glycol dehydrator including a 350,000 BTU/hr burner for regenerating the glycol

There are no conditions in the permit for EUDEHY.

MAERS

The facility is required to report annual emissions to MAERS. The 2018 submittal was reviewed, and the 2019 submittal will be reviewed once received. See MAERS for details.

MACES

MACES was reviewed, and the information screen updated.

COMPLIANCE DETERMINATION

Based on the scheduled inspection and records review, N7409 Breitburn PDC Booster CPF was in compliance with the requirements of permit 253-04.

NAME Becky Radulski

DATE 1/22/19

SUPERVISOR 