

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

N623154463

FACILITY: Lambda Energy Resources LLC - Chester 34		SRN / ID: N6231
LOCATION: 6790 Bass Lake Trl, GAYLORD		DISTRICT: Gaylord
CITY: GAYLORD		COUNTY: OTSEGO
CONTACT:		ACTIVITY DATE: 07/21/2020
STAFF: Bill Rogers	COMPLIANCE STATUS: Compliance	SOURCE CLASS: SM OPT OUT
SUBJECT: Field inspection for FCE		
RESOLVED COMPLAINTS:		

On Tuesday, July 21, 2020, I inspected the Chester 34 facility to determine compliance with the conditions of Permit to Install 99-97.

Permit 99-97, Special Condition 19, requires the operator to perform all necessary maintenance. I did not see any obvious malfunctions which would indicate a violation of this condition.

Special Condition 20 requires oil storage tanks above 942 barrels in size or storing oil with a vapor pressure of 1.5 PSIA or more to be vented to a vapor recovery unit. The storage tanks are smaller than 942 barrels each. They are vented to a vapor recovery unit, so if this condition is applicable the facility complies with it.

COMMENTS:

The facility contains one small compressor engine with no control device. According to records the engine is a Caterpillar 375 NA of 330 HP. It was running at the time of my inspection. There were no unusual vibrations or odors. There was no opacity in the exhaust. Engine gauges indicated engine oil temperature 185, 711 RPM, water temperature 190, compressor oil pressure 50 psi, engine oil pressure 60 psi.

The engine exhaust leaves the building to a horizontal muffler, then through a pipe elbow to exhaust unobstructed vertically upward. I estimated it t have about 6 inches diameter at about 15 feet above ground level.

There were two small drum on stilts tanks near the engine. One was labeled Low Ash Gas Engine Oil and the other Chevron Regal R&O ISO 150 oil. There was also a drum of antifreeze.

The glycol dehydrator was out in the open. It appeared to be operating, as it had a hot burner stack. I didn't notice any "steam" from the vent nor did I notice any odor near it. It has some sort of tank in the still vent system, maybe a flash tank. The burner vent was about 6 inches diameter and 20 feet above ground level, unobstructed vertically upward. The still vent was about 2 inches diameter and 10 feet above ground level, unobstructed vertically upward. I did not see any builder's plates (which might have given me construction dates or specifications) on this equipment.

There was a 300 gallon drum on stilts tank near the dehy labeled Glycol.

There is a row of three process heaters east of the dehydrator. The first one to the east was relatively small, stack about 10 inches diameter and 12 feet above ground level, unobstructed vertically upward. I didn't find any builder's plates on it. The second was a medium sized heater treater or inline heater. It had a builder's plate saying it had a flame arrested burner of 750,000 btu per hour heat input and a burner shell built in 1985. The stack was about 10 inches diameter and 18 feet above ground level, unobstructed vertically upward. I didn't see any builder's plates on the third process heater, but it appeared identical to the second. None of these heaters seemed to be operating; all their stacks were cold.

The fourth process heater is near the northeast corner of the compressor shed. It appeared to be old. It was inside a lined berm. I estimated the stack as 10 inches diameter and 20 feet above ground level,

unobstructed vertically upward. Its stack was cold.

The fifth and sixth process heaters are inside a gravel berm. Number 6 is larger than number 5. The fifth has a stack about 12 inches diameter exhausting unobstructed vertically upward about 20 feet above ground level. The sixth had a stack about 24 inches in diameter exhausting unobstructed vertically upward about twelve feet above ground level. The stacks of both process heaters were cold.

There are four large storage tanks. The three 400 barrel size tanks are labeled oil. The fourth tank is smaller and is labeled H2O. The vents at the top of the tanks are piped to a building nearby which appears to contain a vapor recovery unit. The motors on this equipment were operating.

Maintenance appeared fair, although some of the equipment appears to be unused. I didn't notice any leaks or spills. I didn't notice any odors. I didn't notice any stained soils.

NAME _____

DATE _____

SUPERVISOR _____

William J. Rogers Jr. Digitally signed by William J. Rogers Jr.
Date: 2020.08.12 13:26:44 -04'00'

Shane Nixon Digitally signed by Shane Nixon
Date: 2020.08.12 13:28:29 -04'00'