

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

B566853785

FACILITY: Lambda Energy Resources LLC - Frederic 20		SRN / ID: B5668
LOCATION: 10562 CAMERON BRIDGE RD, FREDERIC		DISTRICT: Gaylord
CITY: FREDERIC		COUNTY: CRAWFORD
CONTACT:		ACTIVITY DATE: 06/01/2020
STAFF: Bill Rogers	COMPLIANCE STATUS: Compliance	SOURCE CLASS: SM OPT OUT
SUBJECT: Field inspection for FCE		
RESOLVED COMPLAINTS:		

On Monday, June 1, 2020, I inspected the Lambda Resources Frederic 20 CPF. I did not find any violations of air quality rules or of its permit. This facility is covered by Permit to Install Number 54-04A, issued July 27, 2007.

The facility appeared to be shut down at the time of my inspection. It appears that many central production facilities are shut down at the moment, perhaps due to the current drop in prices for their products.

Permit 54-04A, Special Condition 1.3, prohibits operating the engine without any applicable add on control device for more than 200 hours per year. This condition is not applicable because the engine does not have and has not had an add on control device.

Condition 1.12a sets engine stack dimensions as a maximum diameter of 7 inches at a minimum height of 17 feet above ground level. The stack on the compressor appears to satisfy this permit condition. The engine exhaust leaves the compressor shed to a horizontal muffler, then goes through a pipe elbow to exhaust unobstructed vertically upward. Exhausting unobstructed vertically upward is also required by Condition 1.12a.

Condition 2.2 prohibits burning sour gas at the facility. This facility has equipment to handle sour gas, but I have no proof they are burning sour gas. The facility contains two iron sponges, devices designed to remove hydrogen sulfide from sour gas. Any gas with small amounts of hydrogen sulfide could be easily routed through the iron sponges to sweeten it before it is used in on-site equipment.

COMMENTS

This facility is, or at one time was, a sour gas sweetening facility. It still contains what appears to be an amine plant to remove hydrogen sulfide from natural gas. It has an elevated flare; the flare did not have a pilot flame burning at the time of my inspection. The facility is still fenced all the way around, and has signs warning of poison gas spaced along the fences, as Air Quality Rules would require for an operating gas sweetening plant. The fence has some bent sections but is still intact in the areas I saw it.

However, our records indicate that the operator has ceased running the sour gas sweetening equipment. According to our files, it has not operated for several years. Previous inspection reports say the gas sweetening equipment was not operating. The previous permit, 54-04, included conditions for the gas sweetening equipment. The current permit, 54-04A, does not. 54-04A was issued July 27, 2007. So long as Lambda does not operate the gas sweetening equipment without re-permitting it, its presence at the site is not a violation of Air Quality Rules.

The facility includes at least three 500 gallon drum on stilt tanks. I could see that two were labeled as methanol. It includes two 400 barrel storage tanks which were vented to a pipe that led into a shed; this shed likely contains the vapor recovery unit originally required for this facility, when it was a sour gas plant. There were four medium sized heater treaters or inline heaters, and several of what appeared to be smaller heaters of a similar purpose; I forgot to note how many.

Nothing on site appeared to be operating. I didn't notice any odors. I didn't see any leaks or spills, or stained soils which would indicate earlier leaks or spills. Maintenance appeared to be fair.

William J. Rogers Jr. Digitally signed by William J. Rogers Jr.
Date: 2020.06.05 09:45:00 -04'00'

Shane Nixon Digitally signed by Shane Nixon
Date: 2020.06.05 09:45:29 -04'00'

NAME _____

DATE _____

SUPERVISOR _____