

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

P018354629

<b>FACILITY:</b> Lambda Energy Resources LLC - Double Alex-BarneyMI		<b>SRN / ID:</b> P0183
<b>LOCATION:</b> Hwy 451 NE 1/4 of the NW 1/4 sec 21 T30N R4E, RUST TWP		<b>DISTRICT:</b> Gaylord
<b>CITY:</b> RUST TWP		<b>COUNTY:</b> MONTMORENCY
<b>CONTACT:</b>		<b>ACTIVITY DATE:</b> 08/13/2020
<b>STAFF:</b> Bill Rogers	<b>COMPLIANCE STATUS:</b> Compliance	
<b>SUBJECT:</b> Scheduled minor source inspection		<b>SOURCE CLASS:</b> MINOR
<b>RESOLVED COMPLAINTS:</b>		

On Thursday, August 13, 2020, I inspected the Double Alex CPF. This facility is now operated by Lambda Resources. The last inspection of this facility was in 2010 on the occasion of the owner asking for the permit to be voided following removal of one of the two engines on site. At that time I concluded that the Double Alex was a true minor.

The facility includes one medium-small Caterpillar reciprocating internal combustion engine driving a natural gas compressor. It was operating at the time of my inspection. The digital engine readout reported 89679 hours of operation, 1160 RPM, oil pressure 57 psi, coolant temperature 192 degrees f, 27 volts.

Metal characters welded to the engine skid said GCS 1088, identifying the engine as Unit 1088 of (the former) Gas Compression Services Company. The engine present in my inspection 10 years ago had the same unit number.

The engine exhausts sideways through the side of the building to a muffler. There is no add-on control device in the stack. Exhaust is horizontal, elevation approximately 20 feet, diameter approximately 10 or 12 inches. There was no opacity.

The facility includes a glycol dehydrator. The burner on the dehy did not have any specification plate that I could see, but appeared to be a bit smaller than the usual ones (which range about 125,000 to 200,000 btu per hour heat input). The burner stack was about 20 feet high and six inches diameter, guessing by eye, and exhausted unobstructed vertically upward. The still vent appeared to be about 2 inches diameter at 20 feet above ground level, ending in a T fitting. There was no opacity from either of the two vents. I did notice a mild glycol odor downwind of the dehydrator stacks.

I noticed the following drums and tanks on site:

- Two 400 barrel oil field storage tanks inside a lined berm. Both of these tanks were labeled as brine water.
- Two drum on stilts tanks over a wooden structure, northeast of the shed away from everything else. One was about 300 gallons and labeled as methyl alcohol. The other was smaller- same diameter but shorter. It was unlabeled.
- One small drum on stilts tank outside the north wall of the shed, above a lined wooden berm structure. It was labeled as Tech-Hib, which is a corrosion inhibitor.
- One 300 gallon drum on stilts tank over a lined wooden berm, near the dehydrator, labeled triethylene glycol.
- Inside the compressor shed, one 300 gallon drum on stilts tank and two larger orange tanks at floor level inside a large lined wooden berm. The drum on stilts was labeled Chevron Regal R&O ISO 100 oil, the orange tanks were labeled as used oil.
- On the opposite side of the engine, one 300 gallon drum on stilts tank over a lined wooden berm, labeled Pegasus 805
- Two 55 gallon drums labeled as 50/50 premixed engine coolant.

I did see one patch of stained soil in the driveway but it was no larger than the palm of my hand. I saw no other evidence of leaks, spills, or stained soils. Maintenance appeared fair.

NAME \_\_\_\_\_ DATE \_\_\_\_\_ SUPERVISOR \_\_\_\_\_

William J.  
Rogers Jr.

Digitally signed by William J. Rogers Jr.  
Date: 2020.08.25 10:10:22 -04'00'

Shane Nixon

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Date: 2020.08.25 10:10:47 -04'00'