

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

N610736532

FACILITY: RIVERSIDE ENERGY MICHIGAN, LLC - ALBERT 1		SRN / ID: N6107
LOCATION: NE SE, SEC 5, T29N R2E, ALBERT TWP		DISTRICT: Cadillac
CITY: ALBERT TWP		COUNTY: MONTMORENCY
CONTACT:		ACTIVITY DATE: 09/09/2016
STAFF: Bill Rogers	COMPLIANCE STATUS: Compliance	SOURCE CLASS: SM OPT OUT
SUBJECT: Non-FCE inspection		
RESOLVED COMPLAINTS:		

On September 9, 2016, I inspected the Albert 1 CPF. I had thought this was a minor source but it is an opt out source assigned to Kurt Childs.

I did not find any violations during my inspection.

The facility belonged to Chevron previously. The name was updated properly in our database. Latitude and longitude in our database were incorrect; I will send an email to have this corrected.

Permit 158-10, Table EUDEHY, Condition VI.1(b) allows Riverside to show exemption from the more stringent control requirements of 40 CFR Part 63 Subpart HH by demonstrating that gas throughput for the glycol dehydrator is less than 85,000 standard cubic meters per day. Production data, attached, demonstrates gas throughput is less than 40,000 standard cubic meters per day in the example month given, which was January 2015. This is sufficient to prove the facility qualifies for this exemption.

Table FGENGINES, Conditions I.1 and I.2 set limits of 24 tons NOx and 23 tons CO per 12 month rolling time period for Engine 1. Emissions data, attached, claims about 15 tons NOx and 14 tons CO. This complies with the permit limits.

The limits for Engine 2 are not applicable as this engine has been removed.

Condition III.1 requires a Malfunction Abatement Plan. Riverside emailed me a copy of their MAP and our approval letter for it. I chose not to print them as we have a copy in our files as well.

Condition IV.1 limits hours of operation without any add-on control device. EUENGINE1 does not have one, therefore this condition is not applicable.

Condition VI.2 requires monitoring fuel gas usage in the engine. Condition VI.5 requires keeping records of fuel use. This information is included on the emissions calculation sheet attached.

Condition VI.3 requires a maintenance log. An example page from this log is attached.

Condition VI.5 and VI.6 requires keeping records of NOx and CO emissions. This information is on the emissions calculation sheet, attached.

Condition VIII.1 requires the stack for Engine 1 have a maximum exhaust diameter of 12 inches and height of 49 feet. Judging by eye the stack appeared to meet these conditions.

I did not see any brine tanks on site, but I did see what appeared to be a salt water disposal well. It was labeled as the State Albert C 4-5 SWD, Permit #45843.

There was only one engine on site. There was a slab for a second building, now gone. I thought this might be where the second engine used to be.

There is a glycol dehydrator on site. The burner vent was about 6 inches diameter by 20 feet high, unobstructed vertically upward. The still vent was about 2 inch diameter, a pipe T, at about 12 feet above ground elevation, extending from the wall of the compressor shed. The dehydrator had a Wenco flame arrested burner rated at 125,000 BTU/h, according to its builder's plate. There was "steam" coming from the still vent. There was a mild glycol odor in the area.

The compressor shed contained one midsized Caterpillar compressor with no catalytic oxidizer. It was labeled on the control panel as DGO # 838, which might be its unit identification. It was running at the time of my inspection. Its digital readout indicated 89570 hours, 1170 RPM, 27 volts, 54 psi oil pressure, 184 degrees f engine coolant temperature. There was no opacity from the engine stack. I noticed no odors near the engine.

Small tanks on site included one 300 gallon drum on stilts tank labeled HDAX low ash engine oil, one labeled Chevron AIO ISO 100 oil, and a larger cylindrical tank marked waste oil resting on the ground. There were two drums labeled "RCRA exempt waste" and one labeled as used oil filters.

There was some rust but maintenance appeared generally good. I didn't see any leaks or any stained soils that might indicate leaks or spills.

NAME William J Rogers L. DATE 2016-SEP-14 SUPERVISOR 