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November 8, 2016

Michigan Department of Environmental Quality Air Quality Division - Lansing District Office Attn: Nathan Hude 525 Allegan St., 1 South Lansing, MI 48909-7760

RE:

Great Lakes Gas Transmission (GLGT) Company

Otisville #13 Compressor Station SRN: N3818, Genesee County

Dear Ms. Radulski

The Great Lakes Gas Transmission (GLGT) Company is submitting this response to the MI DEQ Violation Notice dated November 10, 2016. The letter cited the following violations after an agency inspection at the GLGT Otisville #13 Compressor Station on October 18, 2016:

Process Description	Rule/Permit Condition Violated	Comments
EU-OVAPU	ROP paragraph III.6.a.i. and 40 CFR 63.6625(j)	Base sample oil analysis sample inadequate.
EU-OVAPU	ROP paragraph III.6.a.i. and 40 CFR 63.6625(j)	2015 oil sample not provided.
EU-OVAPU	ROP paragraph VII.1. and 40 CFR VII.2	Deviation not reported.
EU-OVAPU	ROP paragraph III.6.b. and III.6.c., and 40 CFR 63.6655(e)(2)	Maintenance records inadequate.

In the violation notice, a written response is required which should include the dates the violations occurred; an explanation of the causes and duration of the violations; whether the violations are ongoing; a summary of the actions that have been taken and are proposed to be taken to correct the violations and the dates by which these actions will take place; and what steps are being taken to prevent a reoccurrence. Attachment 1 contains a copy of the Violation Notice. Attachment 2 contains GLGT's written response due by December 8th for each violation cited above.

Thanks for your cooperation in this matter. Please let me know if you have further questions.

Sincerely.

Air Quality Specialist

Bcc:

Houston Air Files Otisville CS facility files

Attachment 2

GLGT's Violation Notice Response

Process Description	Rule/Permit Condition Violated	Comments
EU-OVAPU	ROP paragraph III.6.a.i. and 40 CFR	Base sample oil analysis sample
	63.6625(j)	inadequate

Date(s) Violation Occurred: Not applicable – See explanation below

Explanation of Causes: The base line sample for the listed oil type (Mobile PEGASUS 805 SUPER 15W40) did not include the total acid number (TAN) as required by RICE MACT. Therefore, the March 2016 sample's TAN results could not be compared to the 2010 baseline TAN results.

Duration of the Violation: Not applicable - See explanation below

Corrective Actions: A new baseline sample was sent on November 9, 2016. We discovered a discrepancy between what the Technician listed as the oil type for this unit and the oil type listed in the Fluid Life Database. After some investigation, it appears a Technician entered the wrong oil type on the sample label in the past or Fluid Life made a mistake in identifying the oil for this unit in their database. The correct oil type (Mobil Pegasus 805, 40 wt) has an existing baseline analyzed on October 4, 2014 which includes the required RICE MACT results such as viscosity, percent water, and total acid number. The last sample on March 3, 2016 is within the RICE MACT specifications after comparison to this baseline sample. In reality, this issue no longer exists because Fluid Life contains a sufficient baseline for the correct oil type that should have been assigned to this unit (see attached baseline results for the corrected oil type). The issue is now corrected. GLGT believes it does not constitute a violation of the rule and permit conditions cited above considering this new discovery.

Equipment Health Report

Equipment Detail

Company: TRANSCANADA PIPELINES US GLGT	
Contact: HUE ONG	
الارادا المراجعة المر	
Unit 10; CS#13 OTISVILLE RICE MACT APU	
Unit Area:	
Unit Typo:	
Component Information	
Companent ID: RICE MACT APU	
Location On Unit: AUXILLARY	
Type: POWER LINIT	
Detechtion #;	
Manufacturer:	
Model:	
Sub Model:	
Serial #:	
Site Location: GREAT LAKES, RICE MACT	
Billing Area: CS12	
Fuel: COMP. NATURAL GAS	
Coolant: GLYCOL/H2O	
Criticality:	
Power	
Install Date:	
In Service: Yes	
Default Oil:	
Oil Capacity:	
Filter	
Comment:	

Component Activity History Type Date New Oil 2014/10/	ant Activity History Date 2016/10/06	IRION Sample Information Date Oil 2014/10/06 MOBIL, PERASUS 805, 40	Oil Service	Oil Service Units Oil Chg	Physical Tests Visc 40°C est	Vite 100°C cit Vine 100°C cit Vine 100°C cit S.U. (A/cm) Code 125 1333 101. N 43, < 6,1 < 60,1 < 60,1 < 60,1 13,172,144	Visc Index 3 101	Water % v	Vater ppm NIT	(A/cm) OX (4	Vem) SUL(/	Vcm) Code 19/17,		SO Test Results > 4µ > 6µ > 1 3182 1004	sults 1 > 14µ 3 34 115	25µ v	38µ > 70		
Sample Results	2016/03/03	2016/03/03 MOBIL, PEGASUS 805, 40		N N	ef	13.36	N 96 N	z	129	6,3	2.3 < 0.1	21/16/13	13	14680 519 46	19 46	16	0	0 1.6	

Process Description	Rule/Permit Condition Violated	Comments
EU-OVAPU	ROP paragraph III.6.a.i. and 40 CFR	2015 oil sample not provided.
	63.6625(j)	

Date(s) Violation Occurred: 3/4/2015

Explanation of Causes: On November 8, 2016, GLGT discovered evidence could not be located that an oil sample was conducted or analyzed in 2015. The RICE MACT maintenance record sheet, dated March 4, 2015, included an "N/A-taken at a regular interval" notation under the oil change and oil analysis requirements.

Duration of the Violation: 3/4/2015 – 3/3/2016 (1 year)

Corrective Actions: The most recent sample was taken on March 3, 2016 and within the acceptable RICE MACT specifications. To prevent reoccurrence, the Technicians were trained on the importance of ensuring an annual sample is collected and tracked prior to the required due date. The violation is resolved.

Process Description	Rule/Permit Condition Violated	Comments
EU-OVAPU	ROP paragraph VII.1. and 40 CFR	Deviation not reported.
	VII.2	

Date(s) Violation Occurred: 3/5/2015

Explanation of Causes: We were unaware of the deviation when it occurred on March 4, 2015. We reported this violation immediately upon discovery.

Duration of the Violation: 3/4/2015 - 11/8/2016 (1 year, 8 months, 4 days)

Corrective Actions: Upon discovery, the violation was reported on November 8, 2016. We have provided additional training to the Technicians and put practices in place to prevent reoccurrence. This includes more checks to ensure timely samples, and notification of sample submission and results from Fluid Life. The violation is resolved.

Process Description	Rule/Permit Condition Violated	Comments
EU-OVAPU	ROP paragraph III.6.b. and III.6.c.,	Maintenance records inadequate.
	and 40 CFR 63.6655(e)(2)	

Date(s) Violation Occurred: 3/3/2016

Explanation of Causes: The work order was completed for this maintenance but the specific maintenance actions were not documented properly.

Duration of the Violation: 3/3/2016 - 3/4/2016 (1 day)

Corrective Actions: To prevent reoccurrence, the Technicians were trained on the importance of this documentation and will be required to attach it to the completed work order in the future. The violation is resolved.