

DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION

FCE Summary Report

Facility : ANR Pipeline Co - Woolfolk Compressor Station		SRN : B7220
Location : 11039 150th Ave.		District : Grand Rapids
		County : MECOSTA
City : BIG RAPIDS	State: MI	Zip Code : 49307
Compliance Status :		Non Compliance
Source Class : MAJOR	Staff : Chris Robinson	
FCE Begin Date : 1/27/2019	FCE Completion Date :	1/24/2020
Comments : FY20		

List of Partial Compliance Evaluations :

Activity Date	Activity Type	Compliance Status	Comments
01/14/2020	Scheduled Inspection	Non Compliance	FY '20 on-site inspection to determine the facility's compliance status with MI-ROP-B7220-2017.
11/15/2019	Stack Test	Compliance	2019 Ozone Season Monitoring Test Results for Engines 3, 5, and 9 received November 7, 2019. Testing was conducted on September 25, 2019. Test Results indicate compliance with Part 8 and ROP NOx emission limits. Engines were tested at >90% load. The average NOx concentration was 9.8 g/bhp-hr for engine 3 which is only 48% of the limit (20.5). The average NOx concentration was 11.2 g/bhp-hr for engine 5 which is only 50% of the limit (20.5). The average NOx concentration was 8.3 g/bhp-hr for engine 9 which is only 37% of the limit (20.5). Testing of Engines 3, 5, and 9 was completed in AQDs absence.

Activity Date	Activity Type	Compliance Status	Comments
10/31/2019	Stack Test	Compliance	2019 Ozone Season Monitoring Test Results for Engine 6 received October 17, 2019. Testing was conducted on September 17, 2019. Test Results indicate compliance with Part 8 and ROP NOx emission limits. Engines were tested at >90% load. The average NOx concentration was 8.2 g/bhp-hr which is only 40% of the limit (20.5). Testing of Engine 6 was completed prior to AQD's arrival. AQD staff Chris Robinson and Scott Evans were on site later that day observe testing of engines 3 and 9.
09/27/2019	Stack Test	Compliance	2019 Ozone Season Monitoring Test Results for Engine 4 received September 25, 2019. Testing was conducted on August 27, 2019. Test Results indicate compliance with Part 8 and ROP NOx emission limits. Engines were tested at >90% load. NOx concentrations (g/bhp-hr) from Engine 4 were measured at an average of 11.7. This emission level from Engine 4 is ~57% of the limit (20.5 g NOx/bhp-hr).
09/17/2019	Stack Test Observation	Compliance	Part 8 NOx testing
09/04/2019	ROP Semi 1 Cert	Compliance	Semi-Annual ROP report certification for the period of 1/1/2019 through 6/30/2019 was received (8/30/2019) timely and properly certified. No deviations or issues are reported.
09/04/2019	MACT (Part 63)	Compliance	Semi-Annual RICE MACT (Subpart ZZZZ) compliance report for the period of 1/1/2019 through 6/30/2019. Includes EPA-approved Alternative Monitoring Report identifying hours of operation at low engine loads. Received (8/30/2019) timely and properly certified. No deviations or issues are reported.

Activity Date	Activity Type	Compliance Status	Comments
08/30/2019	Stack Test	Compliance	2019 Ozone Season Monitoring Test Results for Engines 2, 7 and 8 received August 23, 2019. Testing was conducted on July 24 -25, 2019. Test Results indicate compliance with Part 8 and ROP NOx emission limits. Engines were tested at >90% load. NOx concentrations (g/bhp-hr) were as follows: Engine 2 = 13.5, Engine 7 = 6.3, and Engine 8 = 11.2. Engine 2 NOx emissions were the highest at ~65% of the limit (20.5 g NOx/bhp-hr). AQD staff Chris Robinson was onsite to observe testing on July 24, 2019.
07/24/2019	Stack Test Observation	Compliance	Observation of Part 8 NOx Compliance testing for Units 1-9.
04/09/2019	MAERS	Compliance	ROP Certification Received March 15, 2019. The facility is using a combination of testing data and/or MAERS and EPA Emission factors where applicable. Proper attachments have been provided. No changes made to database as submitted. (CRobinson, 4/9/2019).
03/05/2019	Stack Test	Compliance	2018 Ozone Season Monitoring Test Results for Engines 1-8 received late on February 19, 2019. Report was due no later than 60 after testing. Testing was conducted on 9/12/2018 and 9/13/2018, therefore the results were required to be submitted to the AQD by November 12, 2018. A Violation Notice will be issued. Test Results indicate compliance with Part 8 and ROP NOx emission limits. Engines were tested at >90% load. Engines 1-4 and 6-8 were tested and the NOx concentrations (g/bhp-hr) were as follows: Engine 1 = 9.7, Engine 2 = 9.4, Engine 3 = 13.1, Engine 4 = 9.3, Engine 6 = 6.9, Engine 7 = 4.8 and Engine 8 = 10.7. Engine 3 NOx emissions were the highest at ~64% of the limit (20.5 g NOx/bhp-hr). AQD-TPU staff Jeremy Howe observed testing on 9/12/2018 while AQD Field staff Chris Robinson observed testing on 9/13/2018.

Activity Date	Activity Type	Compliance Status	Comments
02/15/2019	ROP Annual Cert	Compliance	2018 annual Compliance Certification received timely and properly certified on 2/14/2019. Initially no deviations or issues were reported. A Violation Notice was issued on 3/14/2019 for late submittal of the September 12-13, 2018 Testing Report of final results. An Electronic Copy was received by the AQD on 1/11/2019. However, a certified hard copy was requested and not received until 3/5/2019. A revised 2018 Annual Compliance Certification was received on 4/3/2019 properly certified with a deviation form noting one (1) deviation for not submitting the test report in a timely manner.
02/15/2019	ROP SEMI 2 CERT	Compliance	Semi-Annual Report Certification for the period of 7/1/2018 through 12/31/2018 was received (2/14/2019) timely and properly certified. Initially no deviations or issues were reported. A Violation Notice was issued on 3/14/2019 for late submittal of the September 12-13, 2018 Testing Report of final results. An Electronic Copy was received by the AQD on 1/11/2019. However, a certified hard copy was requested and not received until 3/5/2019. A revised 2018 Annual Compliance Certification was received on 4/3/2019 properly certified with a deviation form noting one (1) deviation for not submitting the test report in a timely manner.
02/15/2019	MACT (Part 63)	Compliance	Semi-Annual RICE MACT (Subpart ZZZZ) compliance report for the period of 7/1/2018 through 12/31/2018. Includes EPA-approved Alternative Monitoring Report identifying hours of operation at low engine loads. Received (2/14/2019) timely and properly certified. No deviations or issues are reported.

Name:



Date:

1/27/2020

Supervisor:

