42-045-00070

Monroe Energy, LLC
4101 Post Road
Trainer, PA 19061
(610) 364-8000

July 28, 2016

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Air Protection Division

Mr. James Rebarchak
Air Quality Program Manager
Commonwealth of Pennsylvania
Department of Environmental Protection
2 East Main Street
Norristown, PA 19401

Re: Monroe Energy, LLC – Trainer Refinery
40 CFR 60, Subpart Db Semiannual Compliance Report for Boilers 9 and 10
Reporting Period: January 1 – June 30, 2016
Title V Operating Permit No. 23-00003

Dear Mr. Rebarchak:

In accordance with 40 CFR 60, Subpart Db - Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units ("NSPS Db"), the Monroe Energy, LLC Trainer Refinery hereby submits the semi-annual compliance reports (per §60.49b(i)) for Boilers 9 and 10. The following table summarizes all of the information required by §60.49b(i), and briefly addresses each requirement:

Reporting Requirement	Comment
The average hourly NO_X emission rates (expressed as NO_2) (ng/J or lb/MMBtu heat input) measured or predicted.	The measured average hourly NOx emission rates (lb/MMBtu) are shown in Attachment 1.
The 30-day average NO_X emission rates (ng/J or lb/MMBtu heat input) calculated at the end of each steam generating unit operating day from the measured or predicted hourly nitrogen oxide emission rates for the preceding 30 steam generating unit operating days.	The measured average hourly NOx emission rates (lb/MMBtu) are shown in Attachment 2.
Identification of the steam generating unit operating days when the calculated 30-day average NO_X emission rates are in excess of the NO_X emissions standards under § 60.44b, with the reasons for such excess emissions as well as a description of corrective actions taken.	There were no exceedances of the 30-day average NOx emission rates for either boiler. See Attachment 3.
Identification of the steam generating unit operating days for which pollutant data have not been obtained, including reasons for not obtaining sufficient data and a description of corrective actions taken.	All periods for which pollutant data have not been obtained are identified in the attached. See Attachment 3.
Identification of the times when emission data have been excluded from the calculation of average emission rates and the reasons for excluding data.	All periods for which pollutant data have not been obtained are identified in the attached. See Attachment 3.

Attachment 1: Hourly Average NO_X Emission Rates for Boilers 9 & 10

Month at a Glance

Plant: TRAN
Source: BOILER9
Parameter: NOX#MM
Report Month: February 2016 Time Online Criteria: 1

	NOX#MM																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
02/01/16	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.005	0.004	0.004	0.004	0.003	0.004	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.006
02/02/16	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.007	0.007	0.007	0.007	0.007	0.007	0.006	0.007	0.007	0.006	0.006	0.006	0.006
02/03/16	0.007	0.007	0.007	0.006	0.006	0.006	0.006	0.006	0.005	0.005	0.005	0.004	0.004	0.004	0.004	0.005	0.005	0.004	0.003	0.003	0.003	0.005	0.005	0.005
02/04/16	0.005	0.005	0.005	0.004	0.004	0.004	0.002	0.004	0.005	0.005	0.006	0.006	0.005	0.005	0.005	0.005	0.006	0.006	0.005	0.005	0.004	0.005	0.005	0.005
02/05/16	0.005	0.005	0.005	0.005	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.006	0.006	0.007	0.007	0.007	0.006	0.005	0.006	0.007	0.006	0.006
02/06/16	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.005	0.005	0.004	0.005	0.004	0.005	0.004	0.004	0.005	0.005	0.005	0.005	0.004	0.005	0.005	0.005
02/07/16	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
02/08/16	0.004	0.005	0.004	0.004	0.004	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.005	0.005	0.006	0.006	0.006	0.007	0.007	0.006	0.007	0.006	0.006
02/09/16	0.007	0.006	0.006	0.006	0.005	0.005	0.004	0.004	0.004	0.004	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.003	0.004
02/10/16	0.004	0.004	0.005	0.005	0.005	0.005	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.003	0.004	0.004
02/11/16	0.004	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.004	0.005	0.005	0.006	0.006	0.006	0.005	0.004	0.004
02/12/16	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.004	0.005	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
02/13/16	0.004	0.004	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.004	0.004	0.004	0.004	0.004	0.004	0.005	0.005	0.004	0.005	0.005	0.004	0.004	0.004
02/14/16	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.003	0.004	0.012	0.008	0.004	0.004	0.004	0.004	0.008	0.005	0.005	0.005	0.004	0.003	0.003
02/15/16	0.004	0.003	0.004	0.003	0.003	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.004	0.005	0.004	0.005	0.005	0.005	0.004	0.004	0.004	0.004
02/16/16	0.004	0.004	0.004	0.004	0.003	0.003	0.003	0.003	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.004	0.003
02/17/16	0.003	0.003	0.003	0.003	0.003	0.003	0.005	0.005	0.005	0.005	0.005	0.004	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.006	0.005	0.006	0.006	0.006
02/18/16	0.006	0.006	0.006	0.006	0.006	0.006	0.005	0.005	0.004	0.005	0.004	0.004	0.005	0.005	0.005	0.004	0.004	0.005	0.006	0.006	0.005	0.004	0.005	0.005
02/19/16	0.005	0.004	0.004	0.004	0.004	0.003	0.004	0.004	0.004	0.005	0.006	0.006	0.005	0.006	0.005	0.004	0.004	0.004	0.004	0.004	0.003	0.003	0.003	0.003
02/20/16	0.003	0.003	0.004	0.004	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.003	0.004	0.004	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
02/21/16	0.003	0.003	0.004	0.003	0.003	0.003	0.003	0.003	0.004	0.003	0.003	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.002	0.002	0.002
02/22/16	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.004	0.005	0.005	0.004	0.004	0.003	0.004
02/23/16	0.003	0.004	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.004	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.004	0.005	0.005	0.004	0.004
02/24/16	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.003	0.003	0.003	0.003	0.002	0.002	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.004
02/25/16	0.004	0.004	0.004	0.004	0.005	0.005	0.004	0.005	0.006	0.006	0.006	0.007	0.006	0.006	0.005	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.007	0.008
02/26/16	0.008	0.008	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.004	0.003	0.004	0.004
02/27/16	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.004	0.004	0.004	0.004	0.004	0.004	0.003
02/28/16	0.003	0.003	0.003	0.003	0.004	0.003	0.003	0.003	0.003	0.004	0.004	0.003	0.003	0.004	0.003	0.003	0.003	0.003	0.004	0.004	0.005	0.004	0.004	0.004
02/29/16	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.006	0.006	0.005	0.005	0.005	0.005	0.005	0.006	0.006

OffLine | Invalid | Out of Control | Exceedance | Maintenance | Calibration

Month at a Glance

Plant: TRAN
Source: BOILER9
Parameter: NOX#MM
Report Month: April 2016 Time Online Criteria: 1

	NOX#MM																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
04/01/16	0.004	0.004	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.005
04/02/16	0.005	0.006	0.006	0.006	0.007	0.006	0.005	0.005	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.007	0.006	0.006	0.005	0.005	0.006	0.006	0.006	0.006
04/03/16	0.007	0.008	0.007	0.007	0.008	0.008	0.005	0.005	0.008	0.006	0.006	0.005	0.007	0.006	0.006	0.006	0.005	0.006	0.006	0.006	0.006	0.006	0.006	0.005
04/04/16	0.006	0.006	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.004	0.004	0.005	0.005	0.006	0.005	0.005	0.004	0.004	0.004	0.005	0.005	0.004	0.005	0.005
04/05/16	0.004	0.005	0.005	0.005	0.005	0.006	0.005	0.005	0.005	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.004	0.005	0.006	0.005	0.005
04/06/16	0.005	0.005	0.005	0.006	0.005	0.005	0.005	0.005	0.005	0.004	0.003	0.003	0.003	0.004	0.004	0.004	0.003	0.003	0.003	0.004	0.003	0.003	0.003	0.003
04/07/16	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.002	0.003	0.003	0.003	0.004	0.004	0.004	0.003	0.003	0.003	0.003	0.003	0.004
04/08/16	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.006	0.006	0.006	0.005	0.005	0.005
04/09/16	0.006	0.006	0.005	0.005	0.005	0.005	0.005	0.004	0.005	0.004	0.004	0.004	0.004	0.004	0.002	0.005	0.006	0.006	0.001	0.003	0.003	0.003	0.003	0.003
04/10/16	0.003	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.005	0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
04/11/16	0.004	0.004	0.004	0.004	0.003	0.004	0.004	0.003	0.003	0.002	0.002	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.002	0.002
04/12/16	0.003	0.003	0.003	0.003	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.005	0.004	0.004	0.003	0.003	0.003	0.004	0.004	0.005	0.005	0.005	0.005	0.005
04/13/16	0.005	0.005	0.005	0.005	0.006	0.005	0.004	0.006	0.006	0.005	0.007	0.006	0.005	0.005	0.006	0.006	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
04/14/16	0.004	0.004	0.003	0.004	0.004	0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.006	0.006	0.007	0.007	0.006	0.006
04/15/16	0.006	0.005	0.005	0.005	0.005	0.005	0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
04/16/16	0.005	0.005	0.005	0.004	0.005	0.005	0.005	0.005	0.006	0.006	0.006	0.006	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.004	0.004
04/17/16	0.004	0.004	0.005	0.004	0.004	0.005	0.004	0.004	0.005	0.005	0.005	0.006	0.006	0.005	0.006	0.006	0.006	0.006	0.006	0.005	0.005	0.005	0.005	0.005
04/18/16	0.005	0.005	0.004	0.004	0.004	0.004	0.004	0.004	0.005	0.005	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.005	0.004	0.004	0.004	0.004
04/19/16	0.004	0.004	0.004	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.006	0.006	0.006	0.006	0.007	0.007	0.007	0.006	0.005	0.006
04/20/16	0.007	0.006	0.007	0.007	0.006	0.005	0.005	0.005	0.006	0.006	0.006	0.006	0.005	0.005	0.006	0.005	0.005	0.005	0.005	0.004	0.004	0.004	0.004	0.004
04/21/16	0.004	0.003	0.003	0.003	0.002	0.002	0.001	0.001	0.001	0.002	0.002	0.004	0.005	0.005	0.004	0.003	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.002
04/22/16	0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.004	0.004	0.003	0.003	0.002	0.002	0.001	0.002	0.005	0.006	0.005	0.004	0.005	0.004	0.005
04/23/16	0.005	0.004	0.005	0.004	0.003	0.003	0.004	0.004	0.005	0.004	0.004	0.005	0.005	0.006	0.006	0.005	0.006	0.003	0.003	0.003	0.004	0.004	0.005	0.005
04/24/16	0.005	0.005	0.005	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.003	0.004	0.004	0.004	0.003	0.003	0.003	0.004	0.003	0.004	0.004	0.003	0.003	0.003
04/25/16	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.005	0.005	0.006	0.007	0.008	0.007	0.007	0.007	0.007	0.006	0.005	0.006	0.005
04/26/16	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.005	0.004	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.004	0.004	0.004	0.004	0.005	0.005	0.005
04/27/16	0.005	0.005	0.005	0.004	0.005	0.005	0.005	0.005	0.006	0.005	0.005	0.006	0.006	0.006	0.007	0.007	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.005
04/28/16	0.005	0.005	0.005	0.005	0.004	0.004	0.005	0.005	0.006	0.006	0.007	0.006	0.006	0.005	0.006	0.005	0.005	0.005	0.004	0.005	0.005	0.005	0.005	0.004
04/29/16	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.004	0.006	0.006	0.005	0.006	0.006	0.006	0.006	0.006	0.005	0.005	0.005	0.006	0.006	0.006	0.007	0.006
04/30/16	0.006	0.007	0.006	0.008	0.006	0.006	0.007	0.007	0.007	0.007	0.006	0.007	0.007	0.006	0.006	0.007	0.006	0.006	0.006	0.006	0.006	0.007	0.007	0.006

OffLine | Invalid | Out of Control | Exceedance | Maintenance | Calibration

Month at a Glance

Plant: TRAN
Source: BOILER9
Parameter: NOX#MM
Report Month: June 2016 Time Online Criteria: 1

	NOX#MM																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
06/01/16	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.005	0.005	0.004	0.005	0.004	0.004	0.003	0.004	0.004	0.004	0.004
06/02/16	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.005	0.005	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
06/03/16	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
06/04/16	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.005	0.005	0.005
06/05/16	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
06/06/16	0.004	0.004	0.004	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.005	0.005	0.006	0.005	0.006	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.004	0.004
06/07/16	0.004	0.004	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.006	0.006	0.005	0.004	0.005	0.005	0.006	0.006	0.006	0.006	0.006
06/08/16	0.006	0.006	0.006	0.006	0.006	0.006	0.005	0.005	0.006	0.006	0.005	0.005	0.005	0.006	0.007	0.006	0.007	0.007	0.007	0.007	0.007	0.007	0.006	0.006
06/09/16	0.006	0.006	0.005	0.006	0.005	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.005	0.005	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006
06/10/16	0.006	0.006	0.005	0.006	0.006	0.005	0.005	0.006	0.006	0.005	0.007	0.007	0.007	0.007	0.007	0.006	0.006	0.005	0.005	0.005	0.005	0.005	0.005	0.004
06/11/16	0.004	0.004	0.004	0.004	0.003	0.004	0.003	0.003	0.003	0.004	0.003	0.004	0.004	0.004	0.004	0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.004
06/12/16	0.004	0.004	0.004	0.003	0.004	0.004	0.004	0.004	0.003	0.004	0.004	0.005	0.006	0.006	0.006	0.006	0.006	0.006	0.005	0.006	0.005	0.005	0.005	0.005
06/13/16	0.005	0.006	0.006	0.006	0.005	0.005	0.005	0.005	0.005	0.005	0.006	0.005	0.006	0.006	0.006	0.006	0.006	0.005	0.005	0.004	0.004	0.004	0.004	0.004
06/14/16	0.005	0.005	0.005	0.004	0.004	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.006	0.005	0.004	0.004	0.004	0.004	0.004
06/15/16	0.004	0.004	0.004	0.003	0.003	0.003	0.003	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.003	0.004	0.004	0.004	0.004	0.004	0.004
06/16/16	0.004	0.004	0.004	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
06/17/16	0.004	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.004	0.004	0.005	0.005	0.005	0.005	0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.004
06/18/16	0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.006	0.005	0.005	0.005	0.004	0.004	0.005	0.005	0.005	0.004	0.004	0.004
06/19/16	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.006	0.005	0.006	0.004	0.005	0.005	0.005	0.004	0.004	0.004	0.004
06/20/16	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
06/21/16	0.004	0.004	0.003	0.003	0.004	0.004	0.003	0.003	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.005
06/22/16	0.005	0.005	0.004	0.005	0.005	0.005	0.005	0.005	0.005	0.006	0.006	0.007	0.006	0.005	0.006	0.006	0.006	0.006	0.005	0.005	0.006	0.005	0.006	0.005
06/23/16	0.004	0.005	0.005	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.005	0.005	0.004	0.004	0.003	0.004	0.005	0.005
06/24/16	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.004	0.005	0.005	0.005	0.006	0.005	0.005	0.005	0.005	0.005	0.005
06/25/16	0.006	0.005	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.006	0.006	0.006	0.007	0.007	0.006	0.006	0.006	0.006	0.005	0.005	0.005	0.005	0.005	0.005
06/26/16	0.005	0.005	0.004	0.004	0.005	0.004	0.005	0.005	0.005	0.005	0.006	0.006	0.006	0.006	0.005	0.005	0.005	0.005	0.006	0.006	0.006	0.006	0.005	0.005
06/27/16	0.005	0.005	0.005	0.005	0.004	0.005	0.005	0.004	0.004	0.005	0.006	0.006	0.005	0.005	0.004	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.004
06/28/16	0.004	0.004	0.004	0.004	0.003	0.003	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.002	0.003	0.003	0.003	0.002	0.002	0.002	0.003	0.003
06/29/16	0.003	0.004	0.005	0.005	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.005
06/30/16	0.005	0.005	0.005	0.005	0.005	0.006	0.005	0.006	0.006	0.007	0.007	0.006	0.006	0.007	0.007	0.006	0.005	0.006	0.006	0.006	0.006	0.006	0.006	0.006

OffLine | Invalid | Out of Control | Exceedance | Maintenance | Calibration

Month at a Glance

Plant: TRAN
Source: BOILER10
Parameter: NOX#MM
Report Month: February 2016 Time Online Criteria: 1

	NOX#MM																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
02/01/16	0.004	0.004	0.005	0.004	0.004	0.005	0.005	0.004	0.004	0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.003	0.003	0.005	0.005	0.004	0.004	0.005	0.005
02/02/16	0.005	0.006	0.006	0.005	0.006	0.006	0.006	0.006	0.006	0.006	0.005	0.006	0.006	0.005	0.005	0.005	0.005	0.005	0.006	0.006	0.004	0.004	0.004	0.005
02/03/16	0.005	0.005	0.005	0.005	0.005	0.004	0.004	0.004	0.004	0.004	0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.003	0.002	0.002	0.003	0.005	0.005	0.004
02/04/16	0.004	0.004	0.004	0.003	0.003	0.003	0.002	0.002	0.002	0.002	0.002	0.003	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.004	0.004	0.005	0.005	0.005
02/05/16	0.005	0.005	0.005	0.005	0.005	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.005	0.005	0.006	0.006	0.006	0.006	0.006	0.005	0.005	0.006	0.005	0.005
02/06/16	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.006	0.006	0.005	0.005	0.005	0.005
02/07/16	0.005	0.005	0.005	0.005	0.006	0.006	0.005	0.005	0.006	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
02/08/16	0.005	0.005	0.004	0.004	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.007	0.006	0.006	0.006	0.006	0.006
02/09/16	0.006	0.006	0.005	0.005	0.005	0.005	0.005	0.004	0.004	0.004	0.004	0.004	0.004	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.005
02/10/16	0.004	0.005	0.005	0.006	0.005	0.005	0.004	0.005	0.005	0.005	0.004	0.005	0.005	0.004	0.004	0.004	0.004	0.005	0.005	0.004	0.004	0.004	0.004	0.004
02/11/16	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.006	0.005	0.006	0.005	0.005	0.005	0.006	0.006	0.006	0.006	0.006	0.006	0.007	0.006	0.004	0.004
02/12/16	0.005	0.006	0.005	0.005	0.006	0.006	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.004	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.005
02/13/16	0.005	0.005	0.005	0.005	0.005	0.005	0.006	0.006	0.006	0.006	0.005	0.004	0.005	0.005	0.005	0.005	0.005	0.005	0.004	0.004	0.004	0.004	0.004	0.004
02/14/16	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.003	0.003	0.014	0.007	0.003	0.004	0.004	0.004	0.008	0.005	0.005	0.004	0.004	0.003	0.004
02/15/16	0.004	0.003	0.004	0.003	0.003	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.005	0.004	0.004	0.004	0.004	0.004	0.003
02/16/16	0.003	0.003	0.004	0.003	0.003	0.003	0.002	0.003	0.002	0.002	0.002	0.002	0.003	0.003	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
02/17/16	0.003	0.003	0.003	0.003	0.003	0.003	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.006	0.006	0.006	0.006	0.007	0.007	0.006
02/18/16	0.007	0.006	0.006	0.007	0.007	0.007	0.006	0.006	0.005	0.006	0.005	0.005	0.005	0.005	0.004	0.004	0.004	0.005	0.006	0.006	0.005	0.004	0.005	0.005
02/19/16	0.005	0.004	0.004	0.004	0.003	0.003	0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.006	0.005	0.004	0.003	0.004	0.004	0.003	0.003	0.003	0.003	0.003
02/20/16	0.003	0.003	0.004	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.002	0.003
02/21/16	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.002	0.002	0.002
02/22/16	0.002	0.002	0.002	0.003	0.003	0.002	0.003	0.003	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.004	0.003	0.004	0.005	0.005	0.004	0.004	0.005
02/23/16	0.004	0.004	0.004	0.005	0.005	0.005	0.006	0.006	0.007	0.007	0.006	0.006	0.007	0.007	0.007	0.008	0.008	0.007	0.006	0.006	0.006	0.005	0.005	0.005
02/24/16	0.005	0.005	0.005	0.005	0.004	0.004	0.004	0.004	0.003	0.003	0.003	0.003	0.002	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.003	0.005	0.005
02/25/16	0.005	0.004	0.004	0.004	0.005	0.006	0.005	0.005	0.006	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.006	0.006	0.006	0.006	0.007	0.008
02/26/16	0.007	0.008	0.007	0.006	0.006	0.006	0.007	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.005	0.004	0.004	0.004	0.005
02/27/16	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.006	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.004	0.004	0.004	0.004	0.004	0.004	0.004
02/28/16	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.004
02/29/16	0.005	0.005	0.005	0.005	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.006	0.006	0.006	0.006	0.006	0.007	0.008	0.007	0.008

OffLine | Invalid | Out of Control | Exceedance | Maintenance | Calibration

Month at a Glance

Plant: TRAN
Source: BOILER10
Parameter: NOX#MM
Report Month: April 2016 Time Online Criteria: 1

	NOX#MM																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
04/01/16	0.004	0.003	0.003	0.003	0.002	0.002	0.003	0.002	0.003	0.003	0.002	0.003	0.003	0.003	0.003	0.003	0.004	0.003	0.003	0.003	0.003	0.003	0.004	0.004
04/02/16	0.005	0.006	0.005	0.006	0.006	0.006	0.005	0.005	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.007	0.006	0.005	0.005	0.005	0.006	0.006	0.006	0.007
04/03/16	0.007	0.008	0.007	0.007	0.008	0.008	0.008	0.008	0.007	0.006	0.007	0.006	0.007	0.006	0.006	0.006	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
04/04/16	0.005	0.005	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.004	0.005	0.005	0.006	0.006	0.006	0.005	0.004	0.004	0.005	0.005	0.005	0.006	0.006
04/05/16	0.005	0.006	0.006	0.006	0.006	0.005	0.005	0.005	0.006	0.004	0.005	0.004	0.004	0.004	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.005	0.005	0.005
04/06/16	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.006	0.005	0.004	0.003	0.003	0.003	0.004	0.004	0.004	0.003	0.004	0.003	0.004	0.003	0.003	0.003	0.002
04/07/16	0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.003	0.002	0.002	0.003	0.002	0.003	0.004	0.003	0.004	0.004	0.004	0.004	0.004	0.003	0.003	0.004	0.004
04/08/16	0.004	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
04/09/16	0.005	0.005	0.004	0.005	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.005	0.003	0.003	0.004	0.004	0.002	0.002	0.002	0.002	0.002
04/10/16	0.002	0.002	0.002	0.002	0.003	0.003	0.004	0.004	0.004	0.004	0.005	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.005	0.003	0.005	0.005	0.003	0.003
04/11/16	0.003	0.005	0.005	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.005	0.003	0.003	0.003	0.003	0.002	0.001	0.002	0.002	0.001	0.001	0.001
04/12/16	0.002	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.004	0.004	0.004	0.003	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.005
04/13/16	0.005	0.005	0.004	0.005	0.006	0.006	0.005	0.005	0.005	0.004	0.005	0.005	0.004	0.005	0.006	0.006	0.004	0.005	0.004	0.004	0.003	0.004	0.004	0.004
04/14/16	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.002	0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.006	0.006	0.007	0.008	0.006	0.007
04/15/16	0.006	0.005	0.005	0.005	0.005	0.005	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
04/16/16	0.005	0.005	0.005	0.004	0.005	0.006	0.006	0.007	0.007	0.007	0.007	0.007	0.007	0.006	0.006	0.005	0.005	0.005	0.004	0.004	0.005	0.004	0.004	0.003
04/17/16	0.003	0.003	0.004	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.005	0.005
04/18/16	0.005	0.005	0.005	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.006	0.005	0.005	0.005	0.004
04/19/16	0.005	0.005	0.005	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.007	0.007	0.007	0.007	0.008	0.008	0.007	0.007	0.007	0.006	0.004	0.004	0.004	0.004
04/20/16	0.006	0.004	0.006	0.005	0.004	0.003	0.003	0.003	0.004	0.005	0.005	0.005	0.005	0.005	0.006	0.005	0.005	0.005	0.004	0.004	0.004	0.004	0.005	0.004
04/21/16	0.004	0.003	0.003	0.003	0.003	0.002	0.002	0.002	0.002	0.003	0.004	0.005	0.007	0.005	0.003	0.003	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.003
04/22/16	0.002	0.002	0.003	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.002	0.002	0.001	0.003	0.005	0.007	0.005	0.004	0.005	0.005	0.004
04/23/16	0.004	0.004	0.004	0.004	0.002	0.003	0.003	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.005	0.003	0.004	0.004	0.004	0.004	0.005	0.006
04/24/16	0.006	0.006	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.004	0.004	0.003	0.004	0.003	0.003	0.003	0.003	0.003	0.004	0.003	0.003	0.004	0.004
04/25/16	0.004	0.004	0.005	0.005	0.004	0.004	0.004	0.004	0.004	0.004	0.005	0.006	0.006	0.007	0.006	0.007	0.007	0.007	0.006	0.006	0.005	0.005	0.005	0.005
04/26/16	0.004	0.005	0.005	0.005	0.004	0.004	0.004	0.004	0.006	0.005	0.006	0.005	0.006	0.006	0.006	0.007	0.006	0.005	0.005	0.005	0.005	0.006	0.005	0.006
04/27/16	0.006	0.006	0.006	0.006	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.008	0.007	0.007	0.005	0.005	0.006	0.006	0.006	0.005	0.005	0.005
04/28/16	0.004	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.006	0.005	0.006	0.006	0.005	0.004	0.005	0.005	0.005	0.005	0.004	0.005	0.004	0.004	0.004	0.004
04/29/16	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.006	0.006	0.006	0.006	0.006	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
04/30/16	0.005	0.006	0.005	0.007	0.005	0.005	0.005	0.005	0.006	0.006	0.005	0.006	0.006	0.005	0.005	0.006	0.005	0.004	0.005	0.005	0.005	0.006	0.006	0.005

OffLine | Invalid | Out of Control | Exceedance | Maintenance | Calibration

Month at a Glance

Plant: TRAN
Source: BOILER10
Parameter: NOX#MM
Report Month: June 2016 Time Online Criteria: 1

	NOX#MM																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
06/01/16	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.004	0.005	0.004	0.005	0.006	0.005	0.005	0.006	0.004	0.004	0.003	0.004	0.004	0.004	0.004
06/02/16	0.004	0.005	0.005	0.005	0.005	0.005	0.005	0.007	0.007	0.006	0.005	0.005	0.005	0.005	0.005	0.005	0.004	0.003	0.004	0.004	0.004	0.005	0.004	0.003
06/03/16	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.003	0.003	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.004	0.004
06/04/16	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.003	0.003	0.003	0.003	0.004	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.005	0.005	0.005
06/05/16	0.005	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.005	0.004	0.006	0.006	0.006	0.005	0.005
06/06/16	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.004	0.005	0.006	0.005	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.005	0.005	0.005
06/07/16	0.005	0.005	0.004	0.005	0.005	0.005	0.005	0.005	0.006	0.005	0.005	0.005	0.006	0.006	0.006	0.006	0.005	0.005	0.006	0.007	0.007	0.007	0.006	0.007
06/08/16	0.007	0.007	0.007	0.006	0.006	0.007	0.006	0.006	0.007	0.007	0.006	0.007	0.007	0.006	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.006	0.006
06/09/16	0.005	0.005	0.005	0.005	0.005	0.006	0.005	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.005	0.006	0.006	0.006	0.005	0.005	0.006	0.006	0.005
06/10/16	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.006	0.005	0.006	0.006	0.007	0.006	0.006	0.006	0.006	0.005	0.005	0.004	0.004	0.004	0.004	0.004	0.003
06/11/16	0.003	0.003	0.003	0.003	0.002	0.003	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.003
06/12/16	0.003	0.003	0.003	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.005	0.006	0.006	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
06/13/16	0.005	0.005	0.005	0.006	0.005	0.005	0.005	0.005	0.005	0.005	0.006	0.006	0.006	0.006	0.006	0.007	0.006	0.005	0.005	0.004	0.004	0.004	0.004	0.004
06/14/16	0.005	0.005	0.005	0.004	0.004	0.004	0.004	0.004	0.004	0.005	0.006	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.004	0.004	0.004	0.004	0.004
06/15/16	0.004	0.004	0.004	0.003	0.003	0.003	0.002	0.005	0.005	0.005	0.003	0.003	0.005	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.004
06/16/16	0.004	0.004	0.004	0.004	0.003	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.005	0.004	0.004
06/17/16	0.005	0.005	0.005	0.005	0.005	0.005	0.006	0.006	0.006	0.005	0.005	0.006	0.006	0.006	0.006	0.005	0.005	0.005	0.005	0.006	0.006	0.005	0.005	0.005
06/18/16	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.007	0.006	0.006	0.007	0.006	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.004	0.004
06/19/16	0.004	0.004	0.004	0.004	0.004	0.004	0.005	0.005	0.004	0.005	0.005	0.005	0.006	0.006	0.005	0.006	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.004
06/20/16	0.004	0.004	0.005	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.005	0.004	0.005	0.005	0.005	0.005	0.004	0.004	0.004	0.004	0.004	0.004
06/21/16	0.004	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.004	0.003	0.004	0.004	0.004	0.004	0.004	0.005
06/22/16	0.005	0.005	0.004	0.005	0.005	0.005	0.005	0.005	0.005	0.006	0.007	0.007	0.007	0.005	0.005	0.005	0.006	0.005	0.005	0.006	0.006	0.006	0.006	0.005
06/23/16	0.005	0.005	0.005	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.005	0.004	0.004	0.004	0.003	0.004	0.005	0.005
06/24/16	0.005	0.006	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.006	0.006	0.006	0.006	0.005	0.005	0.005	0.006
06/25/16	0.006	0.005	0.004	0.005	0.005	0.004	0.005	0.005	0.005	0.006	0.007	0.007	0.007	0.007	0.007	0.007	0.006	0.006	0.005	0.005	0.005	0.005	0.005	0.006
06/26/16	0.006	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.006	0.005	0.006	0.006	0.006	0.005	0.005	0.005	0.005	0.005	0.006	0.006	0.006	0.006	0.005	0.005
06/27/16	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.006	0.006	0.005	0.004	0.004	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.004
06/28/16	0.004	0.005	0.004	0.004	0.004	0.004	0.003	0.002	0.002	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.002	0.002	0.002	0.002	0.003
06/29/16	0.003	0.004	0.005	0.005	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.006	0.006	0.006	0.006	0.007	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006
06/30/16	0.006	0.005	0.005	0.005	0.006	0.006	0.006	0.005	0.007	0.008	0.007	0.007	0.006	0.007	0.007	0.006	0.006	0.007	0.007	0.006	0.006	0.006	0.006	0.007

OffLine | Invalid | Out of Control | Exceedance | Maintenance | Calibration

30-Day Rolling Average NOx Emissions (LB/MMBtu)

Plant: MONROE ENERGY, LLC.
Interval: 30 Day
Type: Roll
Report Period: 01/01/2016 00:00 Through 06/30/2016 23:59
Time Online Criteria: 1 minute(s)

Source		BOILER10	BOILER9
Parameter		NOX#PD10	NOX#PD9
Unit		(LB/MMBTU)	(LB/MMBTU)
01/01/16	00:00	0.004	0.004
01/02/16	00:00	0.004	0.004
01/03/16	00:00	0.004	0.004
01/04/16	00:00	0.005	0.004
01/05/16	00:00	0.005	0.004
01/06/16	00:00	0.005	0.005
01/07/16	00:00	0.005	0.005
01/08/16	00:00	0.005	0.005
01/09/16	00:00	0.005	0.004
01/10/16	00:00	0.005	0.004
01/11/16	00:00	0.005	0.005
01/12/16	00:00	0.005	0.005
01/13/16	00:00	0.005	0.005
01/14/16	00:00	0.004	0.004
01/15/16	00:00	0.004	0.004
01/16/16	00:00	0.004	0.004
01/17/16	00:00	0.004	0.004
01/18/16	00:00	0.004	0.004
01/19/16	00:00	0.005	0.004
01/20/16	00:00	0.005	0.004
01/21/16	00:00	0.005	0.004
01/22/16	00:00	0.005	0.005
01/23/16	00:00	0.005	0.005
01/24/16	00:00	0.005	0.004
01/25/16	00:00	0.005	0.004
01/26/16	00:00	0.004	0.004
01/27/16	00:00	0.004	0.004
01/28/16	00:00	0.004	0.004
01/29/16	00:00	0.004	0.004
01/30/16	00:00	0.004	0.004
01/31/16	00:00	0.004	0.004
02/01/16	00:00	0.004	0.004
02/02/16	00:00	0.004	0.004
02/03/16	00:00	0.004	0.004
02/04/16	00:00	0.004	0.004
02/05/16	00:00	0.004	0.004
02/06/16	00:00	0.004	0.004
02/07/16	00:00	0.004	0.004
02/08/16	00:00	0.004	0.004
02/09/16	00:00	0.004	0.004
02/10/16	00:00	0.004	0.004
02/11/16	00:00	0.004	0.004
02/12/16	00:00	0.004	0.004
02/13/16	00:00	0.004	0.004
02/14/16	00:00	0.005	0.004
02/15/16	00:00	0.005	0.004
02/16/16	00:00	0.004	0.004
02/17/16	00:00	0.004	0.004
02/18/16	00:00	0.004	0.004
02/19/16	00:00	0.004	0.004
02/20/16	00:00	0.004	0.004

F = Unit Offline **E = Exceedance** **C = Calibration** **S = Substituted** **I = Invalid**
M = Maintenance **T = Out Of Control** *** = Suspect** **U = Startup** **D = Shutdown**

30-Day Rolling Average NOx Emissions (LB/MMBtu)

Plant: MONROE ENERGY, LLC.
Interval: 30 Day
Type: Roll
Report Period: 01/01/2016 00:00 Through 06/30/2016 23:59
Time Online Criteria: 1 minute(s)

Source		BOILER10	BOILER9
Parameter		NOX#PD10	NOX#PD9
Unit		(LB/MMBTU)	(LB/MMBTU)
04/12/16	00:00	0.004	0.004
04/13/16	00:00	0.004	0.004
04/14/16	00:00	0.004	0.004
04/15/16	00:00	0.004	0.004
04/16/16	00:00	0.004	0.004
04/17/16	00:00	0.004	0.004
04/18/16	00:00	0.004	0.004
04/19/16	00:00	0.004	0.004
04/20/16	00:00	0.004	0.004
04/21/16	00:00	0.004	0.004
04/22/16	00:00	0.004	0.004
04/23/16	00:00	0.004	0.004
04/24/16	00:00	0.004	0.004
04/25/16	00:00	0.004	0.004
04/26/16	00:00	0.004	0.004
04/27/16	00:00	0.004	0.004
04/28/16	00:00	0.004	0.004
04/29/16	00:00	0.004	0.004
04/30/16	00:00	0.004	0.005
05/01/16	00:00	0.005	0.005
05/02/16	00:00	0.004	0.005
05/03/16	00:00	0.004	0.005
05/04/16	00:00	0.004	0.005
05/05/16	00:00	0.004	0.005
05/06/16	00:00	0.004	0.005
05/07/16	00:00	0.005	0.005
05/08/16	00:00	0.005	0.005
05/09/16	00:00	0.005	0.005
05/10/16	00:00	0.005	0.005
05/11/16	00:00	0.005	0.005
05/12/16	00:00	0.005	0.005
05/13/16	00:00	0.005	0.005
05/14/16	00:00	0.005	0.005
05/15/16	00:00	0.005	0.005
05/16/16	00:00	0.005	0.005
05/17/16	00:00	0.005	0.005
05/18/16	00:00	0.005	0.005
05/19/16	00:00	0.005	0.005
05/20/16	00:00	0.005	0.005
05/21/16	00:00	0.005	0.005
05/22/16	00:00	0.005	0.005
05/23/16	00:00	0.005	0.005
05/24/16	00:00	0.005	0.005
05/25/16	00:00	0.005	0.005
05/26/16	00:00	0.005	0.005
05/27/16	00:00	0.005	0.005
05/28/16	00:00	0.005	0.005
05/29/16	00:00	0.005	0.005
05/30/16	00:00	0.005	0.005
05/31/16	00:00	0.005	0.005
06/01/16	00:00	0.005	0.005

F = Unit Offline **E = Exceedance** **C = Calibration** **S = Substituted** **I = Invalid**
M = Maintenance **T = Out Of Control** *** = Suspect** **U = Startup** **D = Shutdown**

Attachment 3: Excess Emissions and Monitoring System Summary Report

EXCESS EMISSION AND MONITORING SYSTEM PERFORMANCE SUMMARY REPORT

Pollutant (Circle One): SO_2 (**NO_X**) TRS H_2S CO Opacity

Reporting period dates: From **January 01, 2016** to **June 30, 2016**

Company: **Monroe Energy, LLC**

Emission Limitation: **0.2 lb NO_X/MMBtu (30-day rolling average)**

Address: **4101 Post Rd, Trainer PA 19061**

Monitor Manufacturer: **NO_X – Rosemount, O_2 – Servomex**

Model No.: **NO_X – NGA2000, O_2 – 4900C1**

Date of Latest CMS Certification or Audit: **06/16/2016 (NO_X and O_2 RATA)**

Process Unit(s) Description: **No. 10 Boiler**

Total source operating time in reporting period [1]: **4368**

Emission data summary [1]		CMS performance summary [1]	
1. Duration of excess emissions in the reporting period due to:		1. CMS downtime in the reporting period due to:	
f. Startup/shutdown	**0**	a. Monitor equipment malfunctions	**10**
g. Control equipment problems	**0**	b. Non-Monitor equipment malfunctions	**28**
h. Process problems	**0**	c. Quality assurance calibration	**8**
i. Other known causes	**0**	d. Other known causes	**0**
j. Unknown causes	**0**	e. Unknown causes	**0**
2. Total duration of excess emissions	**0**	2. Total CMS Downtime	**46**
3. Total duration of excess emissions x (100) / [Total source operating time]	**0.0** %[2]	3. [Total CMS Downtime] x (100) / [Total source operating time]	**1.1** %[2]

1 For opacity, record all times in minutes. For gases, record all times in hours.

2 For the reporting period: If the total duration of excess emissions is 1 percent or greater of the total operating time or the total CMS downtime is 5 percent or greater of the total operating time, both the summary report form and the excess emission report described in 40 CFR 60.7(c) shall be submitted.

Note: On a separate page, describe any changes since last quarter in CMS, process or controls. **No changes to the CMS, process or controls have occurred since last reporting period.**

F- Factor for North Fuel Gas System

Sources: BOILER 9 and BOILER 10
Parameter: NFFACT
Report Month: January 2016 Time Online Criteria: 1

	NFFACT																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
01/01/16	8,311.400	8,323.100	8,325.300	8,324.900	8,323.800	8,340.700	8,337.500	8,341.800	8,357.300	8,389.400	8,373.100	8,386.000	8,392.500	8,394.500	8,400.200	8,405.600	8,410.600	8,399.000	8,392.200	8,401.900	8,393.700	8,394.000	8,397.700	8,398.300
01/02/16	8,391.100	8,384.400	8,378.400	8,382.100	8,396.300	8,403.500	8,413.300	8,417.400	8,407.600	8,410.300	8,407.000	8,404.600	8,411.400	8,404.300	8,392.400	8,365.700	8,394.100	8,383.300	8,386.900	8,398.300	8,395.900	8,397.100	8,381.000	8,402.200
01/03/16	8,390.100	8,393.300	8,391.800	8,389.100	8,398.200	8,391.700	8,397.500	8,385.000	8,395.300	8,381.900	8,371.500	8,358.300	8,363.000	8,366.400	8,359.100	8,377.500	8,384.800	8,364.900	8,388.300	8,390.000	8,398.300	8,401.000	8,378.900	8,394.500
01/04/16	8,392.300	8,394.200	8,393.900	8,394.300	8,394.200	8,389.300	8,424.900	8,433.500	8,434.400	8,418.600	8,361.300	8,387.000	8,377.400	8,367.000	8,373.700	8,408.000	8,428.500	8,408.500	8,413.400	8,421.200	8,429.700	8,436.000	8,456.000	8,417.300
01/05/16	8,435.800	8,398.700	8,375.600	8,386.000	8,425.000	8,417.400	8,426.300	8,445.200	8,424.500	8,430.900	8,432.000	8,432.000	8,424.300	8,413.200	8,407.900	8,403.600	8,409.300	8,397.200	8,412.100	8,416.200	8,414.800	8,416.700	8,401.700	8,384.300
01/06/16	8,399.400	8,419.000	8,407.200	8,390.700	8,397.500	8,393.000	8,410.300	8,403.500	8,366.000	8,377.600	8,340.200	8,315.200	8,247.400	8,231.000	8,277.800	8,271.200	8,249.000	8,293.600	8,279.500	8,268.400	8,327.000	8,361.700	8,361.500	8,372.800
01/07/16	8,360.600	8,359.500	8,389.600	8,388.800	8,387.800	8,397.700	8,388.200	8,370.500	8,325.400	8,288.200	8,105.000	8,187.400	8,300.200	8,193.000	8,256.100	8,273.000	8,268.700	8,317.500	8,300.200	8,299.800	8,292.800	8,327.500	8,270.200	8,261.100
01/08/16	8,284.700	8,259.800	8,216.700	8,302.600	8,266.500	8,278.000	8,311.800	8,285.800	8,292.300	8,288.900	8,237.900	8,327.800	8,334.200	8,329.000	8,340.900	8,326.300	8,309.800	8,297.700	8,322.000	8,329.500	8,322.400	8,331.200	8,294.700	8,306.600
01/09/16	8,297.700	8,292.600	8,278.000	8,251.900	8,252.300	8,296.500	8,317.600	8,276.500	8,330.400	8,288.800	8,309.300	8,316.800	8,358.700	8,327.300	8,336.200	8,359.700	8,323.300	8,297.800	8,276.200	8,302.800	8,300.400	8,332.300	8,307.800	8,282.300
01/10/16	8,315.000	8,324.400	8,321.900	8,318.200	8,350.400	8,342.000	8,339.400	8,363.200	8,352.600	8,368.700	8,389.000	8,373.200	8,381.500	8,387.800	8,396.700	8,377.600	8,376.500	8,391.800	8,392.100	8,399.200	8,392.100	8,371.900	8,382.000	8,386.100
01/11/16	8,403.800	8,403.300	8,406.900	8,408.700	8,405.600	8,399.500	8,409.400	8,396.900	8,394.800	8,377.100	8,390.400	8,371.100	8,386.000	8,375.200	8,305.100	8,331.800	8,318.900	8,354.700	8,347.100	8,331.200	8,304.200	8,277.300	8,268.900	8,254.300
01/12/16	8,280.900	8,302.100	8,258.800	8,271.000	8,272.300	8,282.400	8,237.700	8,223.200	8,232.500	8,275.000	8,267.900	8,297.400	8,199.700	8,172.600	8,182.900	8,261.500	8,281.800	8,255.600	8,235.400	8,243.300	8,265.500	8,285.800	8,329.400	8,338.700
01/13/16	8,327.400	8,357.700	8,317.900	8,163.700	8,312.000	8,334.900	8,337.300	8,349.900	8,309.000	8,395.500	8,514.300	8,468.800	8,464.400	8,462.500	8,475.700	8,466.900	8,458.300	8,457.400	8,466.100	8,462.200	8,457.400	8,474.300	8,452.600	8,474.900
01/14/16	8,461.900	8,460.800	8,471.200	8,457.400	8,447.900	8,462.100	8,464.300	8,481.800	8,489.400	8,485.000	8,479.900	8,480.800	8,486.100	8,471.800	8,472.100	8,463.600	8,465.400	8,460.900	8,458.000	8,459.000	8,451.400	8,455.700	8,477.500	8,463.300
01/15/16	8,454.100	8,453.800	8,459.000	8,467.500	8,471.400	8,460.900	8,470.000	8,470.800	8,484.400	8,479.100	8,478.700	8,478.500	8,479.900	8,483.700	8,463.400	8,460.100	8,443.000	8,432.800	8,415.200	8,432.100	8,419.100	8,422.300	8,420.300	8,432.200
01/16/16	8,426.200	8,410.500	8,412.400	8,422.000	8,433.400	8,431.700	8,431.000	8,417.200	8,401.100	8,414.500	8,417.100	8,425.300	8,427.000	8,407.500	8,413.000	8,416.700	8,413.900	8,411.400	8,437.900	8,436.800	8,431.600	8,430.200	8,434.100	8,447.500
01/17/16	8,445.100	8,440.600	8,423.900	8,436.100	8,448.200	8,453.600	8,449.800	8,446.000	8,447.700	8,425.300	8,428.300	8,417.600	8,433.900	8,428.300	8,445.200	8,447.600	8,450.800	8,464.600	8,475.300	8,478.500	8,472.200	8,486.800	8,486.300	8,475.700
01/18/16	8,443.700	8,472.800	8,459.600	8,453.400	8,451.100	8,394.000	8,442.100	8,436.500	8,437.300	8,430.000	8,418.000	8,412.800	8,419.500	8,429.700	8,404.300	8,415.000	8,417.200	8,428.500	8,442.400	8,396.700	8,414.800	8,404.500	8,404.900	8,391.500
01/19/16	8,375.900	8,383.200	8,395.100	8,390.700	8,403.600	8,412.400	8,408.900	8,383.000	8,354.400	8,359.000	8,353.900	8,351.500	8,343.700	8,348.500	8,375.100	8,421.900	8,394.600	8,392.600	8,394.800	8,407.500	8,411.300	8,396.600	8,408.900	8,401.000
01/20/16	8,378.700	8,391.300	8,396.700	8,418.900	8,429.800	8,425.400	8,430.600	8,418.600	8,424.000	8,437.600	8,439.400	8,452.300	8,446.700	8,443.500	8,455.000	8,448.400	8,465.800	8,470.900	8,480.100	8,485.300	8,489.800	8,487.600	8,477.500	8,479.200
01/21/16	8,468.100	8,455.600	8,451.200	8,468.000	8,463.400	8,474.300	8,474.500	8,467.600	8,478.700	8,466.700	8,468.700	8,468.600	8,467.500	8,462.200	8,453.900	8,451.200	8,464.000	8,471.000	8,474.700	8,481.100	8,479.000	8,490.300	8,489.800	8,487.200
01/22/16	8,486.500	8,492.900	8,481.300	8,473.000	8,488.400	8,486.000	8,473.900	8,477.300	8,467.000	8,465.100	8,436.700	8,450.800	8,439.700	8,424.900	8,429.200	8,433.400	8,438.600	8,417.800	8,434.200	8,448.900	8,433.300	8,421.400	8,431.200	8,458.400
01/23/16	8,455.200	8,454.800	8,456.900	8,449.100	8,446.300	8,454.500	8,455.900	8,451.400	8,432.700	8,433.400	8,434.900	8,438.300	8,429.600	8,434.000	8,433.100	8,437.400	8,441.400	8,445.400	8,439.800	8,431.600	8,431.900	8,409.400	8,416.400	8,422.400
01/24/16	8,399.100	8,392.100	8,394.100	8,395.700	8,406.700	8,395.100	8,394.400	8,410.300	8,387.400	8,370.100	8,388.700	8,414.500	8,419.300	8,411.400	8,398.700	8,422.900	8,397.200	8,434.600	8,427.700	8,421.900	8,431.400	8,427.100	8,429.100	8,437.100
01/25/16	8,442.800	8,436.300	8,467.600	8,444.200	8,431.000	8,444.000	8,421.900	8,449.300	8,441.300	8,407.600	8,421.000	8,437.700	8,414.100	8,429.200	8,437.200	8,424.400	8,440.400	8,447.400	8,456.400	8,447.800	8,438.100	8,448.300	8,461.600	8,466.200
01/26/16	8,477.300	8,481.500	8,483.500	8,478.800	8,472.500	8,481.700	8,480.000	8,489.300	8,492.600	8,497.700	8,493.000	8,495.600	8,505.200	8,495.800	8,486.700	8,488.400	8,495.600	8,494.700	8,495.000	8,501.500	8,494.800	8,485.100	8,494.600	8,503.600
01/27/16	8,500.300	8,497.200	8,495.000	8,496.700	8,508.100	8,512.700	8,513.400	8,511.500	8,501.900	8,505.500	8,511.800	8,511.300	8,507.600	8,496.700	8,500.000	8,486.900	8,495.800	8,494.600	8,491.400	8,486.400	8,483.000	8,482.900	8,471.700	8,474.100
01/28/16	8,470.000	8,470.200	8,472.300	8,477.700	8,484.800	8,484.600	8,483.600	8,488.100	8,497.200	8,496.500	8,493.900	8,499.000	8,486.800	8,504.000	8,495.100	8,501.400	8,494.600	8,482.600	8,490.000	8,483.100	8,487.000	8,481.300	8,495.200	8,506.500
01/29/16	8,490.100	8,472.300	8,481.200	8,470.800	8,485.200	8,487.800	8,481.300	8,486.200	8,472.300	8,470.600	8,462.200	8,443.300	8,438.100	8,440.800	8,443.000	8,442.900	8,453.100	8,462.100	8,455.500	8,470.600	8,466.700	8,471.600	8,466.300	8,468.100
01/30/16	8,466.000	8,472.400	8,466.900	8,473.600	8,485.300	8,473.900	8,479.300	8,472.000	8,460.800	8,488.700	8,486.500	8,465.900	8,470.200	8,478.600	8,489.900	8,497.400	8,496.900	8,506.800	8,520.400	8,518.500	8,515.700	8,511.300	8,518.700	8,497.400
01/31/16	8,500.200	8,499.900	8,500.600	8,504.200	8,502.000	8,497.300	8,500.400	8,495.400	8,508.900	8,513.100	8,502.500	8,502.700	8,504.100	8,503.700	8,515.100	8,507.800	8,507.300	8,500.600	8,492.300	8,497.000	8,495.000	8,498.100	8,497.900	8,498.600

F-Factor for North Fuel Gas System

Plant: TRAN
Source: BOILER 9 and BOILER 10
Parameter: NFFACT
Report Month: March 2016 Time Online Criteria: 1

	NFFACT																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
03/01/16	8,460.800	8,462.500	8,460.700	8,463.500	8,466.000	8,459.700	8,453.200	8,452.300	8,449.900	8,452.200	8,445.200	8,430.000	8,407.000	8,404.500	8,382.400	8,377.800	8,406.300	8,434.900	8,443.600	8,449.500	8,455.400	8,458.400	8,464.800	8,453.300
03/02/16	8,445.900	8,458.000	8,460.300	8,460.700	8,464.200	8,458.600	8,456.100	8,451.600	8,451.700	8,462.900	8,460.700	8,456.400	8,448.600	8,446.100	8,440.300	8,442.200	8,442.800	8,447.000	8,458.100	8,453.800	8,450.700	8,441.500	8,437.800	8,434.200
03/03/16	8,446.100	8,445.000	8,440.900	8,450.300	8,451.600	8,453.900	8,459.700	8,459.500	8,462.900	8,459.700	8,461.900	8,464.300	8,462.600	8,466.300	8,471.100	8,464.800	8,463.300	8,481.800	8,469.200	8,460.200	8,461.300	8,465.500	8,466.500	8,468.900
03/04/16	8,461.500	8,466.500	8,462.000	8,453.400	8,446.900	8,451.100	8,448.300	8,449.000	8,453.200	8,455.500	8,449.000	8,442.500	8,446.700	8,447.800	8,442.500	8,437.500	8,441.900	8,433.700	8,438.100	8,444.100	8,438.100	8,432.600	8,439.200	8,431.200
03/05/16	8,428.900	8,425.600	8,427.700	8,445.000	8,439.500	8,448.200	8,442.300	8,441.700	8,439.300	8,445.500	8,452.300	8,452.000	8,444.100	8,446.400	8,445.600	8,442.300	8,444.900	8,444.300	8,434.600	8,436.500	8,434.600	8,435.300	8,429.400	8,433.700
03/06/16	8,431.200	8,431.100	8,426.100	8,427.900	8,429.200	8,431.100	8,430.500	8,436.100	8,436.300	8,439.400	8,444.300	8,451.600	8,453.900	8,455.400	8,460.700	8,450.800	8,460.000	8,468.300	8,457.600	8,461.300	8,457.600	8,457.400	8,460.300	8,462.800
03/07/16	8,464.700	8,464.500	8,462.300	8,466.800	8,460.700	8,463.000	8,464.100	8,474.200	8,499.800	8,511.900	8,603.200	8,573.400	8,545.400	8,445.500	8,410.600	8,311.100	8,446.800	8,534.300	8,532.800	8,501.600	8,501.300	8,486.000	8,493.000	8,491.400
03/08/16	8,490.700	8,463.600	8,483.600	8,493.300	8,510.400	8,507.700	8,531.200	8,513.600	8,516.400	8,389.500	8,301.700	8,301.700	8,301.700	8,301.800	8,301.800	8,301.700	8,301.700	8,301.800	8,356.700	8,422.100	8,493.900	8,491.600	8,494.200	8,501.200
03/09/16	8,498.300	8,495.000	8,496.800	8,504.200	8,509.700	8,507.600	8,508.900	8,509.500	8,512.600	8,453.100	8,311.500	8,286.200	8,276.400	8,338.100	8,324.400	8,316.900	8,302.200	8,324.200	8,351.900	8,403.000	8,405.800	8,414.100	8,414.200	8,433.300
03/10/16	8,432.700	8,438.600	8,449.400	8,456.000	8,439.300	8,441.300	8,443.000	8,430.600	8,387.500	8,339.100	8,325.500	8,309.200	8,315.300	8,326.400	8,308.200	8,317.400	8,301.400	8,327.900	8,351.700	8,366.600	8,351.400	8,375.800	8,397.400	8,370.100
03/11/16	8,372.300	8,355.900	8,357.300	8,369.600	8,365.400	8,443.000	8,448.900	8,436.800	8,404.100	8,334.800	8,321.200	8,323.100	8,311.700	8,329.500	8,302.200	8,317.000	8,333.100	8,331.500	8,359.700	8,380.800	8,422.300	8,428.000	8,426.300	8,424.700
03/12/16	8,426.800	8,419.400	8,428.100	8,429.100	8,431.300	8,427.700	8,430.300	8,429.300	8,423.800	8,396.600	8,343.800	8,342.600	8,313.900	8,355.300	8,380.900	8,399.800	8,415.800	8,411.500	8,410.500	8,409.700	8,407.300	8,408.800	8,406.300	8,408.000
03/13/16	8,413.500	8,409.100	8,415.400	8,412.400	8,410.400	8,400.800	8,406.000	8,410.700	8,392.500	8,349.800	8,330.200	8,304.000	8,299.800	8,291.400	8,315.000	8,378.200	8,406.200	8,411.400	8,424.600	8,417.900	8,421.700	8,418.900	8,418.800	8,416.200
03/14/16	8,422.600	8,426.000	8,424.300	8,432.700	8,435.300	8,426.700	8,425.300	8,424.400	8,429.300	8,422.600	8,425.200	8,427.700	8,427.700	8,423.900	8,425.000	8,417.500	8,423.800	8,430.900	8,420.800	8,415.100	8,416.300	8,424.300	8,410.200	8,394.800
03/15/16	8,381.300	8,386.700	8,390.400	8,397.300	8,389.400	8,390.100	8,388.500	8,395.600	8,415.100	8,409.600	8,414.500	8,417.600	8,413.100	8,411.000	8,421.800	8,401.300	8,390.700	8,363.800	8,403.500	8,395.300	8,398.900	8,402.500	8,400.800	8,385.300
03/16/16	8,393.900	8,401.000	8,395.100	8,385.800	8,399.900	8,398.500	8,395.700	8,402.800	8,395.100	8,379.300	8,291.100	8,265.600	8,250.100	8,249.900	8,250.000	8,237.100	8,270.300	8,334.700	8,300.400	8,345.700	8,357.900	8,388.000	8,417.700	8,420.300
03/17/16	8,411.800	8,400.800	8,394.700	8,380.600	8,379.500	8,375.500	8,377.200	8,410.800	8,398.100	8,362.100	8,317.800	8,249.100	8,253.700	8,223.200	8,319.800	8,363.400	8,328.800	8,286.400	8,356.200	8,352.500	8,404.000	8,408.100	8,413.200	8,402.000
03/18/16	8,388.500	8,385.700	8,397.400	8,414.400	8,409.000	8,419.400	8,427.600	8,432.100	8,391.400	8,332.700	8,273.000	8,294.800	8,228.100	8,219.200	8,222.000	8,222.300	8,222.300	8,221.500	8,298.700	8,354.500	8,378.300	8,385.500	8,394.500	8,400.000
03/19/16	8,406.500	8,417.500	8,419.200	8,414.000	8,400.800	8,407.800	8,416.700	8,409.500	8,404.600	8,403.500	8,399.600	8,409.400	8,409.200	8,402.400	8,415.500	8,424.600	8,424.300	8,422.500	8,429.800	8,430.300	8,429.900	8,434.700	8,435.200	8,432.700
03/20/16	8,435.800	8,432.700	8,412.700	8,418.200	8,432.000	8,434.100	8,437.400	8,448.700	8,449.600	8,441.500	8,431.000	8,421.900	8,425.200	8,414.600	8,422.900	8,427.200	8,425.300	8,426.100	8,436.500	8,447.400	8,442.900	8,449.900	8,458.000	8,451.400
03/21/16	8,438.100	8,435.600	8,433.700	8,443.200	8,433.900	8,430.100	8,424.300	8,423.000	8,433.600	8,422.000	8,429.700	8,421.500	8,396.100	8,411.800	8,420.500	8,397.800	8,413.700	8,443.500	8,429.400	8,409.900	8,411.600	8,418.600	8,411.700	8,406.300
03/22/16	8,411.500	8,415.400	8,413.500	8,422.100	8,434.600	8,431.500	8,445.700	8,469.700	8,475.500	8,463.200	8,418.700	8,406.900	8,387.000	8,359.300	8,347.700	8,328.300	8,360.100	8,392.300	8,433.000	8,431.300	8,436.300	8,433.700	8,434.500	8,427.600
03/23/16	8,418.500	8,414.600	8,400.400	8,407.900	8,417.900	8,432.500	8,414.300	8,418.700	8,360.500	8,328.200	8,263.500	8,250.000	8,249.900	8,249.800	8,250.000	8,250.000	8,250.000	8,250.000	8,250.000	8,314.600	8,328.000	8,356.500	8,371.400	8,409.100
03/24/16	8,451.600	8,452.200	8,464.800	8,464.100	8,463.900	8,463.900	8,471.600	8,464.100	8,461.900	8,450.100	8,452.000	8,437.100	8,414.200	8,411.800	8,411.700	8,411.700	8,411.800	8,395.000	8,418.200	8,464.000	8,477.200	8,467.300	8,461.300	8,385.100
03/25/16	8,359.100	8,335.300	8,342.700	8,344.500	8,344.500	8,346.200	8,355.200	8,341.200	8,341.200	8,325.700	8,314.900	8,333.900	8,323.000	8,274.700	8,272.300	8,255.400	8,280.000	8,304.000	8,347.800	8,386.100	8,405.300	8,420.600	8,432.200	8,415.800
03/26/16	8,410.400	8,424.000	8,430.700	8,437.300	8,435.400	8,440.900	8,431.300	8,425.900	8,429.700	8,418.800	8,393.200	8,372.500	8,374.000	8,348.100	8,332.600	8,350.300	8,355.400	8,367.900	8,423.100	8,444.000	8,439.600	8,433.900	8,431.700	8,430.200
03/27/16	8,440.200	8,429.700	8,424.900	8,440.800	8,443.100	8,440.900	8,434.400	8,431.900	8,420.900	8,391.500	8,338.000	8,279.400	8,211.400	8,218.900	8,226.000	8,201.000	8,236.200	8,316.000	8,380.000	8,401.400	8,412.800	8,412.000	8,411.200	8,411.900
03/28/16	8,422.900	8,408.500	8,412.300	8,407.600	8,413.800	8,411.700	8,414.500	8,420.900	8,425.700	8,416.200	8,378.100	8,334.500	8,296.900	8,304.900	8,304.900	8,304.900	8,307.400	8,342.500	8,405.900	8,419.800	8,424.600	8,429.700	8,430.400	8,435.400
03/29/16	8,435.500	8,434.000	8,431.700	8,425.100	8,425.900	8,439.200	8,430.000	8,428.400	8,408.500	8,422.300	8,418.200	8,384.900	8,350.000	8,356.000	8,349.100	8,328.100	8,328.300	8,355.100	8,384.000	8,438.700	8,447.300	8,436.800	8,435.100	8,443.600
03/30/16	8,434.400	8,438.600	8,437.900	8,453.400	8,447.000	8,449.500	8,447.400	8,442.100	8,433.100	8,430.000	8,426.200	8,418.500	8,396.500	8,384.400	8,352.600	8,321.800	8,341.000	8,356.400	8,426.500	8,440.300	8,440.200	8,450.000	8,438.900	8,433.100
03/31/16	8,446.300	8,459.200	8,461.900	8,458.000	8,463.800	8,465.600	8,469.600	8,448.100	8,436.100	8,410.500	8,421.200	8,402.600	8,415.500	8,424.800	8,405.200	8,409.200	8,434.100	8,422.400	8,443.600	8,444.400	8,440.100	8,443.600	8,442.100	8,444.000

F-Factor for North Fuel Gas System

Plant: TRAN
Source: BOILER 9 and BOILER 10
Parameter: NFFACT
Report Month: May 2016 Time Online Criteria: 1

	NFFACT																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
05/01/16	8,339.700	8,334.700	8,352.600	8,293.000	8,302.100	8,307.200	8,319.600	8,305.400	8,282.600	8,337.000	8,368.300	8,361.900	8,358.400	8,342.000	8,340.900	8,329.100	8,317.200	8,319.500	8,323.200	8,335.800	8,326.900	8,323.300	8,331.300	8,337.800
05/02/16	8,340.400	8,363.200	8,358.600	8,367.100	8,371.600	8,380.900	8,370.600	8,375.200	8,380.400	8,366.000	8,375.000	8,361.400	8,352.300	8,354.400	8,366.600	8,309.200	8,359.500	8,343.400	8,345.800	8,358.600	8,350.200	8,346.900	8,349.400	8,349.700
05/03/16	8,328.300	8,324.700	8,312.400	8,340.200	8,348.900	8,334.700	8,309.900	8,299.700	8,311.800	8,311.900	8,316.900	8,326.200	8,351.800	8,335.100	8,325.600	8,311.800	8,292.300	8,301.600	8,290.300	8,295.700	8,299.000	8,290.300	8,325.300	8,317.400
05/04/16	8,330.000	8,310.300	8,310.700	8,306.100	8,327.200	8,318.300	8,307.400	8,313.300	8,297.400	8,292.500	8,305.900	8,318.700	8,335.000	8,314.800	8,305.000	8,296.900	8,309.600	8,308.400	8,313.600	8,305.500	8,309.200	8,328.900	8,306.100	8,300.700
05/05/16	8,315.200	8,291.700	8,287.600	8,303.800	8,303.800	8,304.700	8,307.600	8,318.900	8,335.700	8,358.200	8,355.400	8,351.600	8,348.100	8,346.600	8,334.400	8,322.000	8,324.700	8,332.800	8,336.400	8,329.800	8,338.000	8,345.800	8,338.100	8,354.900
05/06/16	8,361.800	8,368.900	8,361.500	8,360.500	8,375.700	8,399.900	8,397.300	8,403.100	8,425.800	8,418.100	8,427.300	8,430.000	8,420.800	8,416.100	8,426.400	8,402.600	8,404.200	8,409.100	8,396.300	8,386.100	8,376.300	8,390.100	8,399.900	8,414.100
05/07/16	8,407.000	8,401.300	8,404.900	8,407.900	8,402.200	8,402.500	8,392.100	8,379.500	8,407.800	8,387.800	8,406.100	8,402.100	8,403.800	8,416.100	8,401.900	8,374.500	8,344.000	8,346.800	8,327.800	8,329.500	8,333.800	8,324.600	8,352.900	8,368.300
05/08/16	8,371.800	8,370.100	8,378.800	8,364.300	8,375.600	8,368.500	8,367.600	8,380.900	8,390.500	8,388.200	8,418.200	8,427.700	8,403.200	8,423.300	8,410.500	8,395.400	8,399.700	8,382.700	8,371.900	8,364.800	8,357.800	8,356.500	8,348.800	8,356.800
05/09/16	8,371.500	8,367.800	8,367.700	8,378.300	8,389.500	8,390.100	8,398.500	8,422.000	8,417.500	8,415.600	8,421.600	8,424.600	8,390.700	8,418.300	8,408.500	8,393.800	8,402.400	8,394.400	8,395.500	8,375.600	8,374.000	8,380.700	8,382.500	8,377.200
05/10/16	8,372.700	8,370.900	8,378.200	8,384.600	8,380.500	8,379.600	8,387.900	8,376.300	8,374.300	8,353.300	8,375.200	8,372.000	8,350.700	8,379.600	8,374.600	8,376.800	8,357.300	8,323.500	8,331.200	8,326.800	8,332.300	8,327.900	8,313.300	8,308.900
05/11/16	8,311.400	8,314.900	8,318.800	8,328.600	8,333.700	8,329.200	8,320.800	8,308.800	8,326.500	8,323.000	8,326.300	8,332.600	8,357.000	8,334.500	8,361.500	8,321.300	8,297.900	8,294.900	8,275.500	8,269.700	8,260.700	8,270.900	8,263.300	8,262.900
05/12/16	8,282.700	8,273.200	8,282.100	8,279.400	8,272.900	8,272.500	8,299.400	8,358.800	8,381.700	8,392.800	8,395.900	8,383.800	8,352.200	8,399.200	8,417.900	8,344.600	8,384.200	8,339.500	8,289.400	8,285.900	8,276.600	8,289.300	8,271.800	8,260.100
05/13/16	8,277.600	8,282.500	8,300.400	8,283.300	8,288.900	8,290.200	8,304.200	8,306.800	8,325.000	8,340.600	8,344.600	8,331.300	8,326.100	8,340.700	8,329.800	8,323.400	8,331.900	8,355.800	8,357.200	8,326.600	8,313.800	8,305.500	8,310.500	8,303.300
05/14/16	8,308.300	8,308.900	8,302.500	8,302.900	8,285.700	8,261.700	8,288.800	8,405.700	8,423.100	8,416.800	8,412.800	8,409.900	8,418.400	8,416.200	8,393.100	8,356.300	8,278.800	8,259.200	8,284.600	8,284.000	8,287.000	8,265.000	8,263.000	8,268.700
05/15/16	8,256.600	8,259.600	8,234.300	8,219.500	8,214.600	8,203.000	8,213.000	8,250.800	8,252.900	8,247.800	8,253.600	8,241.400	8,243.200	8,254.300	8,268.100	8,250.200	8,265.500	8,215.700	8,186.500	8,184.000	8,215.800	8,201.500	8,196.800	8,179.300
05/16/16	8,166.000	8,181.700	8,180.400	8,209.100	8,237.000	8,222.800	8,259.400	8,299.500	8,286.300	8,262.300	8,242.800	8,229.800	8,255.700	8,345.500	8,352.700	8,328.200	8,372.900	8,339.900	8,286.000	8,285.000	8,249.600	8,249.600	8,249.300	8,267.800
05/17/16	8,235.700	8,260.000	8,259.100	8,273.700	8,273.500	8,267.600	8,295.500	8,337.400	8,297.500	8,300.600	8,248.600	8,205.700	8,147.700	8,213.400	8,270.600	8,218.600	8,222.200	8,224.000	8,243.400	8,208.900	8,218.700	8,303.100	8,272.500	8,267.800
05/18/16	8,238.100	8,252.800	8,292.200	8,273.300	8,291.000	8,293.200	8,300.200	8,300.100	8,277.000	8,287.900	8,322.800	8,312.600	8,340.600	8,331.400	8,351.900	8,280.900	8,241.800	8,232.300	8,237.500	8,192.200	8,207.800	8,220.900	8,240.400	8,237.400
05/19/16	8,246.400	8,269.900	8,259.700	8,281.800	8,296.200	8,319.600	8,306.800	8,382.000	8,436.900	8,408.600	8,403.900	8,341.200	8,322.800	8,389.200	8,376.500	8,309.200	8,360.800	8,251.000	8,222.000	8,221.000	8,231.600	8,242.900	8,233.500	8,208.400
05/20/16	8,218.500	8,202.500	8,188.900	8,197.700	8,189.900	8,178.300	8,203.400	8,351.200	8,378.000	8,355.800	8,349.100	8,340.700	8,386.800	8,390.800	8,416.100	8,373.000	8,383.800	8,305.100	8,258.200	8,266.600	8,264.100	8,255.000	8,278.300	8,273.100
05/21/16	8,294.800	8,301.200	8,319.500	8,318.000	8,320.700	8,327.400	8,334.200	8,327.100	8,343.800	8,315.300	8,295.700	8,300.300	8,299.400	8,304.900	8,280.000	8,257.300	8,269.700	8,297.000	8,284.500	8,291.000	8,302.200	8,302.100	8,287.300	8,275.600
05/22/16	8,283.600	8,280.300	8,296.100	8,284.800	8,283.000	8,277.500	8,267.300	8,273.400	8,294.500	8,311.200	8,372.000	8,346.900	8,348.600	8,329.900	8,320.800	8,288.400	8,277.300	8,291.400	8,310.400	8,305.000	8,314.400	8,317.900	8,331.200	8,330.400
05/23/16	8,340.300	8,323.000	8,346.000	8,353.300	8,343.600	8,358.200	8,365.600	8,406.400	8,442.700	8,444.500	8,441.000	8,444.800	8,452.800	8,420.600	8,358.300	8,392.600	8,393.500	8,332.900	8,283.400	8,273.200	8,258.900	8,264.500	8,269.400	8,272.900
05/24/16	8,274.100	8,276.800	8,274.800	8,289.200	8,298.100	8,291.500	8,290.000	8,293.400	8,401.000	8,418.400	8,414.900	8,426.000	8,453.900	8,473.500	8,483.100	8,477.400	8,477.000	8,446.300	8,425.300	8,421.800	8,435.100	8,437.600	8,434.100	8,421.500
05/25/16	8,419.700	8,397.000	8,406.100	8,378.600	8,370.400	8,373.500	8,386.200	8,490.300	8,499.800	8,489.400	8,486.400	8,493.300	8,502.200	8,482.200	8,504.000	8,493.300	8,487.600	8,474.500	8,421.400	8,408.100	8,376.200	8,375.200	8,376.100	8,384.200
05/26/16	8,373.900	8,362.800	8,383.700	8,383.800	8,378.800	8,377.700	8,396.800	8,489.300	8,483.100	8,486.900	8,484.900	8,494.100	8,501.000	8,501.400	8,500.700	8,499.600	8,504.800	8,500.600	8,489.900	8,471.900	8,437.900	8,428.700	8,431.300	8,420.800
05/27/16	8,432.400	8,432.500	8,432.800	8,425.000	8,411.400	8,408.900	8,452.000	8,511.200	8,509.600	8,500.700	8,519.200	8,544.300	8,566.200	8,577.300	8,581.500	8,580.800	8,574.500	8,570.000	8,558.700	8,565.200	8,551.400	8,551.700	8,549.100	8,557.300
05/28/16	8,542.000	8,546.200	8,544.200	8,538.200	8,542.100	8,476.400	8,447.800	8,522.900	8,550.100	8,571.200	8,545.800	8,566.000	8,572.000	8,542.500	8,539.400	8,526.900	8,528.200	8,541.500	8,502.500	8,489.700	8,449.800	8,421.600	8,445.900	8,447.500
05/29/16	8,403.900	8,419.500	8,411.200	8,433.000	8,423.300	8,410.500	8,446.200	8,504.700	8,500.500	8,495.400	8,499.700	8,504.200	8,502.500	8,523.800	8,527.800	8,527.200	8,512.100	8,453.900	8,412.100	8,424.400	8,416.000	8,418.000	8,417.600	8,401.400
05/30/16	8,403.000	8,428.900	8,455.600	8,393.100	8,385.200	8,365.200	8,433.700	8,423.500	8,460.200	8,449.500	8,493.400	8,481.900	8,484.900	8,495.800	8,495.900	8,459.300	8,423.700	8,385.500	8,373.900	8,365.900	8,341.900	8,345.300	8,334.400	8,331.900
05/31/16	8,348.700	8,357.000	8,345.800	8,376.500	8,358.400	8,362.800	8,392.200	8,487.800	8,491.400	8,487.900	8,503.100	8,498.100	8,497.600	8,491.300	8,487.300	8,494.600	8,478.300	8,475.100	8,425.900	8,423.300	8,372.600	8,366.900	8,343.100	8,349.600

Attachment 5: CEMS Drift Test and Quarterly Accuracy Assessments

Calibration Detail

Plant: MONROE ENERGY, LLC.

Report Period: 01/01/2016 00:00 Through 06/30/2016 23:59

Source: BOILER9

	Zero Level			Span Level			Results				Protocol Gas Details			
End Date / Time	Reference Value	Actual Response	Cal Error	Reference Value	Actual Response	Cal Error	Cal Limit	Error Method	Pass/Fail	On-Line	Gas Type Code	Vendor ID	Cylinder ID	Expire Date
NOXPPM														
01/20/2016 05:56	0.0	-0.1	0.1	27.8	27.4	0.4	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070773	10/30/18
01/21/2016 05:56	0.0	-0.1	0.1	27.8	27.6	0.2	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070773	10/30/18
01/22/2016 05:56	0.0	-0.2	0.2	27.8	28.2	0.4	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070773	10/30/18
01/23/2016 05:56	0.0	-0.1	0.1	27.8	28.0	0.2	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070773	10/30/18
01/24/2016 05:56	0.0	-0.1	0.1	27.8	28.0	0.2	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070773	10/30/18
01/25/2016 05:56	0.0	-0.2	0.2	27.8	28.1	0.3	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070773	10/30/18
01/26/2016 05:56	0.0	-0.2	0.2	27.8	28.0	0.2	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070773	10/30/18
01/27/2016 05:56	0.0	-0.2	0.2	27.8	27.9	0.1	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070773	10/30/18
01/28/2016 05:56	0.0	-0.3	0.3	27.8	27.4	0.4	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070773	10/30/18
01/29/2016 05:56	0.0	-0.2	0.2	27.8	28.1	0.3	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070773	10/30/18
01/30/2016 05:56	0.0	-0.2	0.2	27.8	28.1	0.3	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070773	10/30/18
01/31/2016 05:56	0.0	-0.2	0.2	27.8	27.9	0.1	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070773	10/30/18
02/01/2016 05:56	0.0	-0.2	0.2	27.8	28.2	0.4	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070773	10/30/18
02/02/2016 05:56	0.0	-0.2	0.2	27.8	28.2	0.4	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070773	10/30/18
02/03/2016 05:56	0.0	-0.1	0.1	27.8	28.1	0.3	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070773	10/30/18
02/04/2016 05:56	0.0	-0.2	0.2	27.8	27.9	0.1	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070773	10/30/18
02/05/2016 05:56	0.0	-0.2	0.2	27.8	27.9	0.1	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070773	10/30/18
02/06/2016 05:56	0.0	-0.2	0.2	27.8	28.0	0.2	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070773	10/30/18
02/07/2016 05:56	0.0	-0.2	0.2	27.8	28.0	0.2	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070773	10/30/18

Calibration Error: **Failed Test** Failed Level Maintenance Limit

Calibration Detail

Plant: MONROE ENERGY, LLC.

Report Period: 01/01/2016 00:00 Through 06/30/2016 23:59

Source: BOILER9

	Zero Level			Span Level			Results				Protocol Gas Details			
End Date / Time	Reference Value	Actual Response	Cal Error	Reference Value	Actual Response	Cal Error	Cal Limit	Error Method	Pass/Fail	On-Line	Gas Type Code	Vendor ID	Cylinder ID	Expire Date
NOXPPM														
02/27/2016 05:55	0.0	-0.2	0.2	27.8	27.7	0.1	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070773	10/30/18
02/28/2016 05:55	0.0	-0.2	0.2	27.8	27.7	0.1	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070773	10/30/18
02/29/2016 05:55	0.0	-0.2	0.2	27.8	27.9	0.1	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070773	10/30/18
03/01/2016 05:55	0.0	-0.1	0.1	27.8	27.8	0.0	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070773	10/30/18
03/02/2016 05:55	0.0	-0.2	0.2	27.8	27.6	0.2	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070773	10/30/18
03/03/2016 05:55	0.0	-0.2	0.2	27.8	27.7	0.1	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070773	10/30/18
03/04/2016 05:55	0.0	-0.2	0.2	27.8	27.8	0.0	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070773	10/30/18
03/05/2016 05:55	0.0	-0.2	0.2	27.8	27.8	0.0	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070773	10/30/18
03/06/2016 05:55	0.0	-0.2	0.2	27.8	27.7	0.1	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070773	10/30/18
03/07/2016 05:55	0.0	-0.2	0.2	27.8	27.8	0.0	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070773	10/30/18
03/08/2016 05:55	0.0	-0.2	0.2	27.8	27.9	0.1	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070773	10/30/18
03/09/2016 05:55	0.0	-0.2	0.2	27.8	27.8	0.0	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070773	10/30/18
03/10/2016 05:55	0.0	-0.2	0.2	27.8	27.9	0.1	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070773	10/30/18
03/11/2016 05:55	0.0	-0.2	0.2	27.8	28.1	0.3	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070773	10/30/18
03/12/2016 05:55	0.0	-0.2	0.2	27.8	28.0	0.2	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070773	10/30/18
03/12/2016 14:30	0.0	0.0	0.0	27.8	28.1	0.3	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070773	10/30/18
03/13/2016 05:55	0.0	0.0	0.0	27.8	28.0	0.2	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070773	10/30/18
03/14/2016 05:55	0.0	0.0	0.0	27.8	27.9	0.1	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070773	10/30/18
03/14/2016 10:48	0.0	0.0	0.0	27.8	28.0	0.2	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070773	10/30/18

Calibration Error: **Failed Test** | Failed Level | Maintenance Limit

Calibration Detail

Plant: MONROE ENERGY, LLC.

Report Period: 01/01/2016 00:00 Through 06/30/2016 23:59

Source: BOILER9

	Zero Level			Span Level			Results				Protocol Gas Details			
End Date / Time	Reference Value	Actual Response	Cal Error	Reference Value	Actual Response	Cal Error	Cal Limit	Error Method	Pass/Fail	On-Line	Gas Type Code	Vendor ID	Cylinder ID	Expire Date
NOXPPM														
04/02/2016 05:55	0.0	0.1	0.1	28.0	26.9	1.1	10.0	DIFF	Passed	Yes	BALN NOX	A12011	AAL6824	01/12/19
04/03/2016 05:55	0.0	0.0	0.0	28.0	25.4	2.6	10.0	DIFF	Maint Limit	Yes	BALN NOX	A12011	AAL6824	01/12/19
04/03/2016 08:27	0.0	0.0	0.0	28.0	27.7	0.3	10.0	DIFF	Passed	Yes	BALN NOX	A12011	AAL6824	01/12/19
04/03/2016 11:30	0.0	0.0	0.0	28.0	27.8	0.2	10.0	DIFF	Passed	Yes	BALN NOX	A12011	AAL6824	01/12/19
04/04/2016 05:55	0.0	0.1	0.1	28.0	27.2	0.8	10.0	DIFF	Passed	Yes	BALN NOX	A12011	AAL6824	01/12/19
04/05/2016 05:55	0.0	0.0	0.0	28.0	26.8	1.2	10.0	DIFF	Passed	Yes	BALN NOX	A12011	AAL6824	01/12/19
04/06/2016 05:54	0.0	0.0	0.0	28.0	26.6	1.4	10.0	DIFF	Passed	Yes	BALN NOX	A12011	AAL6824	01/12/19
04/06/2016 08:07	0.0	0.0	0.0	28.0	26.6	1.4	10.0	DIFF	Passed	Yes	BALN NOX	A12011	AAL6824	01/12/19
04/06/2016 12:18	0.0	0.0	0.0	28.0	26.6	1.4	10.0	DIFF	Passed	Yes	BALN NOX	A12011	AAL6824	01/12/19
04/07/2016 05:54	0.0	0.0	0.0	28.0	26.9	1.1	10.0	DIFF	Passed	Yes	BALN NOX	A12011	AAL6824	01/12/19
04/08/2016 05:54	0.0	0.0	0.0	28.0	26.6	1.4	10.0	DIFF	Passed	Yes	BALN NOX	A12011	AAL6824	01/12/19
04/09/2016 05:54	0.0	0.1	0.1	28.0	26.3	1.7	10.0	DIFF	Passed	Yes	BALN NOX	A12011	AAL6824	01/12/19
04/10/2016 05:54	0.0	0.0	0.0	28.0	26.1	1.9	10.0	DIFF	Passed	Yes	BALN NOX	A12011	AAL6824	01/12/19
04/11/2016 05:54	0.0	0.0	0.0	28.0	25.8	2.2	10.0	DIFF	Maint Limit	Yes	BALN NOX	A12011	AAL6824	01/12/19
04/11/2016 08:36	0.0	0.0	0.0	28.0	27.8	0.2	10.0	DIFF	Passed	Yes	BALN NOX	A12011	AAL6824	01/12/19
04/12/2016 05:54	0.0	0.0	0.0	28.0	27.9	0.1	10.0	DIFF	Passed	Yes	BALN NOX	A12011	AAL6824	01/12/19
04/13/2016 05:54	0.0	0.0	0.0	28.0	27.7	0.3	10.0	DIFF	Passed	Yes	BALN NOX	A12011	AAL6824	01/12/19
04/14/2016 05:54	0.0	0.1	0.1	28.0	27.2	0.8	10.0	DIFF	Passed	Yes	BALN NOX	A12011	AAL6824	01/12/19
04/15/2016 05:54	0.0	0.0	0.0	28.0	26.6	1.4	10.0	DIFF	Passed	Yes	BALN NOX	A12011	AAL6824	01/12/19

Calibration Error: **Failed Test** | Failed Level | Maintenance Limit

Calibration Detail

Plant: MONROE ENERGY, LLC.

Report Period: 01/01/2016 00:00 Through 06/30/2016 23:59

Source: BOILER9

	Zero Level			Span Level			Results				Protocol Gas Details			
End Date / Time	Reference Value	Actual Response	Cal Error	Reference Value	Actual Response	Cal Error	Cal Limit	Error Method	Pass/Fail	On-Line	Gas Type Code	Vendor ID	Cylinder ID	Expire Date
NOXPPM														
05/02/2016 05:54	0.0	0.0	0.0	28.0	27.2	0.8	10.0	DIFF	Passed	Yes	BALN NOX	A12011	AAL6824	01/12/19
05/02/2016 09:22	0.0	0.0	0.0	28.0	27.4	0.6	10.0	DIFF	Passed	Yes	BALN NOX	A12011	AAL6824	01/12/19
05/03/2016 05:54	0.0	0.0	0.0	28.0	27.1	0.9	10.0	DIFF	Passed	Yes	BALN NOX	A12011	AAL6824	01/12/19
05/03/2016 08:26	0.0	0.0	0.0	28.0	27.3	0.7	10.0	DIFF	Passed	Yes	BALN NOX	A12011	AAL6824	01/12/19
05/04/2016 05:54	0.0	0.0	0.0	28.0	27.0	1.0	10.0	DIFF	Passed	Yes	BALN NOX	A12011	AAL6824	01/12/19
05/04/2016 12:54	0.0	0.0	0.0	28.0	27.8	0.2	10.0	DIFF	Passed	Yes	BALN NOX	A12011	AAL6824	01/12/19
05/04/2016 14:43	0.0	0.0	0.0	28.0	28.6	0.6	10.0	DIFF	Passed	Yes	BALN NOX	A12011	AAL6824	01/12/19
05/05/2016 05:54	0.0	0.0	0.0	28.0	28.7	0.7	10.0	DIFF	Passed	Yes	BALN NOX	A12011	AAL6824	01/12/19
05/06/2016 05:54	0.0	0.0	0.0	28.0	28.5	0.5	10.0	DIFF	Passed	Yes	BALN NOX	A12011	AAL6824	01/12/19
05/07/2016 05:54	0.0	0.0	0.0	28.0	28.8	0.8	10.0	DIFF	Passed	Yes	BALN NOX	A12011	AAL6824	01/12/19
05/08/2016 05:50	0.0	0.1	0.1	28.0	0.0	28.0	10.0	DIFF	**Failed**	Yes	BALN NOX	A12011	AAL6824	01/12/19
05/08/2016 10:13	0.0	0.1	0.1	28.0	27.9	0.1	10.0	DIFF	Passed	Yes	BALN NOX	A12011	AAL6824	01/12/19
05/09/2016 05:54	0.0	0.0	0.0	28.0	27.7	0.3	10.0	DIFF	Passed	Yes	BALN NOX	A12011	AAL6824	01/12/19
05/10/2016 05:54	0.0	0.1	0.1	28.0	27.9	0.1	10.0	DIFF	Passed	Yes	BALN NOX	A12011	AAL6824	01/12/19
05/11/2016 05:54	0.0	0.1	0.1	28.0	27.9	0.1	10.0	DIFF	Passed	Yes	BALN NOX	A12011	AAL6824	01/12/19
05/12/2016 05:54	0.0	0.0	0.0	28.0	27.8	0.2	10.0	DIFF	Passed	Yes	BALN NOX	A12011	AAL6824	01/12/19
05/13/2016 05:54	0.0	0.0	0.0	28.0	27.8	0.2	10.0	DIFF	Passed	Yes	BALN NOX	A12011	AAL6824	01/12/19
05/13/2016 09:54	0.0	0.0	0.0	27.8	27.9	0.1	10.0	DIFF	Passed	Yes	BALN NOX	A12011	AAL6824	01/12/19
05/14/2016 05:54	0.0	0.0	0.0	27.8	28.0	0.2	10.0	DIFF	Passed	Yes			aal069969	10/30/18
05/15/2016 05:54	0.0	0.0	0.0	27.8	27.9	0.1	10.0	DIFF	Passed	Yes			aal069969	10/30/18
													aal069969	10/30/18

Calibration Error: **Failed Test** | Failed Level | Maintenance Limit

Calibration Detail

Plant: MONROE ENERGY, LLC.

Report Period: 01/01/2016 00:00 Through 06/30/2016 23:59

Source: BOILER9

	Zero Level			Span Level			Results				Protocol Gas Details			
End Date / Time	Reference Value	Actual Response	Cal Error	Reference Value	Actual Response	Cal Error	Cal Limit	Error Method	Pass/Fail	On-Line	Gas Type Code	Vendor ID	Cylinder ID	Expire Date
NOXPPM														
06/12/2016 05:53	0.0	0.0	0.0	27.8	28.1	0.3	10.0	DIFF	Passed	Yes			aal069969	10/30/18
06/13/2016 05:54	0.0	0.0	0.0	27.8	28.0	0.2	10.0	DIFF	Passed	Yes			aal069969	10/30/18
06/14/2016 05:53	0.0	0.0	0.0	27.8	27.0	0.8	10.0	DIFF	Passed	Yes			aal069969	10/30/18
06/15/2016 05:53	0.0	0.0	0.0	27.8	27.8	0.0	10.0	DIFF	Passed	Yes			aal069969	10/30/18
06/15/2016 16:50	0.0	-0.1	0.1	27.8	27.9	0.1	10.0	DIFF	Passed	Yes			aal069969	10/30/18
06/16/2016 05:54	0.0	0.0	0.0	27.8	27.9	0.1	10.0	DIFF	Passed	Yes			aal069969	10/30/18
06/17/2016 05:54	0.0	0.0	0.0	27.8	28.0	0.2	10.0	DIFF	Passed	Yes			aal069969	10/30/18
06/18/2016 05:54	0.0	0.0	0.0	27.8	28.0	0.2	10.0	DIFF	Passed	Yes			aal069969	10/30/18
06/19/2016 05:54	0.0	0.0	0.0	27.8	28.0	0.2	10.0	DIFF	Passed	Yes			aal069969	10/30/18
06/20/2016 05:54	0.0	0.0	0.0	27.8	28.0	0.2	10.0	DIFF	Passed	Yes			aal069969	10/30/18
06/21/2016 05:54	0.0	-0.1	0.1	27.8	28.0	0.2	10.0	DIFF	Passed	Yes			aal069969	10/30/18
06/22/2016 05:54	0.0	-0.1	0.1	27.8	28.0	0.2	10.0	DIFF	Passed	Yes			aal069969	10/30/18
06/23/2016 05:54	0.0	0.0	0.0	27.8	28.0	0.2	10.0	DIFF	Passed	Yes			aal069969	10/30/18
06/24/2016 05:54	0.0	0.0	0.0	27.8	28.0	0.2	10.0	DIFF	Passed	Yes			aal069969	10/30/18
06/25/2016 05:54	0.0	0.0	0.0	27.8	28.0	0.2	10.0	DIFF	Passed	Yes			aal069969	10/30/18
06/26/2016 05:54	0.0	0.1	0.1	27.8	28.0	0.2	10.0	DIFF	Passed	Yes			aal069969	10/30/18
06/27/2016 05:54	0.0	-0.1	0.1	27.8	27.9	0.1	10.0	DIFF	Passed	Yes			aal069969	10/30/18
06/28/2016 05:54	0.0	0.0	0.0	27.8	28.0	0.2	10.0	DIFF	Passed	Yes			aal069969	10/30/18
06/29/2016 05:54	0.0	0.1	0.1	28.0	28.1	0.1	10.0	DIFF	Passed	Yes			aal072945	05/27/19
06/30/2016 05:53	0.0	0.0	0.0	28.0	28.0	0.0	10.0	DIFF	Passed	Yes			aal072945	05/27/19

No Quarterly Type Calibration Records Found

Calibration Error: **Failed Test** Failed Level Maintenance Limit

Calibration Detail

Plant: MONROE ENERGY, LLC.

Report Period: 01/01/2016 00:00 Through 06/30/2016 23:59

Source: BOILER10

	Zero Level			Span Level			Results				Protocol Gas Details			
End Date / Time	Reference Value	Actual Response	Cal Error	Reference Value	Actual Response	Cal Error	Cal Limit	Error Method	Pass/Fail	On-Line	Gas Type Code	Vendor ID	Cylinder ID	Expire Date
NOXPPM														
01/19/2016 04:58	0.0	-0.1	0.1	27.6	26.7	0.9	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070899	08/19/18
01/20/2016 04:58	0.0	0.0	0.0	27.6	26.5	1.1	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070899	08/19/18
01/21/2016 04:58	0.0	-0.1	0.1	27.6	26.8	0.8	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070899	08/19/18
01/22/2016 04:58	0.0	-0.1	0.1	27.6	26.8	0.8	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070899	08/19/18
01/23/2016 04:58	0.0	0.0	0.0	27.6	26.9	0.7	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070899	08/19/18
01/24/2016 04:58	0.0	-0.1	0.1	27.6	27.1	0.5	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070899	08/19/18
01/25/2016 04:58	0.0	-0.1	0.1	27.6	27.0	0.6	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070899	08/19/18
01/26/2016 04:58	0.0	-0.1	0.1	27.6	27.1	0.5	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070899	08/19/18
01/27/2016 04:58	0.0	-0.1	0.1	27.6	27.2	0.4	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070899	08/19/18
01/28/2016 04:58	0.0	-0.1	0.1	27.6	25.9	1.7	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070899	08/19/18
01/29/2016 04:58	0.0	-0.1	0.1	27.6	27.0	0.6	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070899	08/19/18
01/30/2016 04:58	0.0	-0.1	0.1	27.6	26.8	0.8	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070899	08/19/18
01/31/2016 04:58	0.0	-0.1	0.1	27.6	26.8	0.8	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070899	08/19/18
02/01/2016 04:58	0.0	-0.1	0.1	27.6	27.0	0.6	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070899	08/19/18
02/02/2016 04:58	0.0	-0.1	0.1	27.6	26.9	0.7	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070899	08/19/18
02/03/2016 04:58	0.0	0.0	0.0	27.6	26.9	0.7	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070899	08/19/18
02/04/2016 04:57	0.0	-0.1	0.1	27.6	27.3	0.3	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070899	08/19/18
02/05/2016 04:57	0.0	-0.1	0.1	27.6	27.0	0.6	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070899	08/19/18
02/06/2016 04:57	0.0	-0.1	0.1	27.6	26.6	1.0	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070899	08/19/18

Calibration Error: **Failed Test** Failed Level Maintenance Limit

Calibration Detail

Plant: MONROE ENERGY, LLC.

Report Period: 01/01/2016 00:00 Through 06/30/2016 23:59

Source: BOILER10

	Zero Level			Span Level			Results				Protocol Gas Details			
End Date / Time	Reference Value	Actual Response	Cal Error	Reference Value	Actual Response	Cal Error	Cal Limit	Error Method	Pass/Fail	On-Line	Gas Type Code	Vendor ID	Cylinder ID	Expire Date
NOXPPM														
02/26/2016 04:57	0.0	0.0	0.0	27.6	26.9	0.7	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070899	08/19/18
02/27/2016 04:57	0.0	0.0	0.0	27.6	26.8	0.8	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070899	08/19/18
02/28/2016 04:57	0.0	0.0	0.0	27.6	26.8	0.8	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070899	08/19/18
02/29/2016 04:57	0.0	0.0	0.0	27.6	26.6	1.0	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070899	08/19/18
03/01/2016 04:57	0.0	0.1	0.1	27.6	26.6	1.0	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070899	08/19/18
03/02/2016 04:57	0.0	0.0	0.0	27.6	26.5	1.1	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070899	08/19/18
03/03/2016 04:57	0.0	-0.1	0.1	27.6	26.6	1.0	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070899	08/19/18
03/04/2016 04:57	0.0	-0.1	0.1	27.8	26.6	1.2	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070773	10/30/18
03/05/2016 04:57	0.0	-0.1	0.1	27.8	26.9	0.9	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070773	10/30/18
03/06/2016 04:57	0.0	-0.1	0.1	27.8	26.7	1.1	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070773	10/30/18
03/07/2016 04:57	0.0	0.0	0.0	27.8	26.8	1.0	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070773	10/30/18
03/08/2016 04:57	0.0	0.0	0.0	27.8	27.2	0.6	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070773	10/30/18
03/09/2016 04:57	0.0	-0.1	0.1	27.8	27.0	0.8	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070773	10/30/18
03/10/2016 04:57	0.0	-0.1	0.1	27.8	27.2	0.6	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070773	10/30/18
03/11/2016 04:57	0.0	0.0	0.0	27.8	27.5	0.3	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070773	10/30/18
03/12/2016 04:57	0.0	0.0	0.0	27.8	27.1	0.7	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070773	10/30/18
03/13/2016 04:57	0.0	0.0	0.0	27.8	27.1	0.7	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070773	10/30/18
03/14/2016 04:57	0.0	-0.1	0.1	27.8	27.3	0.5	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070773	10/30/18
03/15/2016 04:57	0.0	-0.1	0.1	27.8	26.9	0.9	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070773	10/30/18

Calibration Error: Failed Test | Failed Level | Maintenance Limit

Calibration Detail

Plant: MONROE ENERGY, LLC.

Report Period: 01/01/2016 00:00 Through 06/30/2016 23:59

Source: BOILER10

	Zero Level			Span Level			Results				Protocol Gas Details			
End Date / Time	Reference Value	Actual Response	Cal Error	Reference Value	Actual Response	Cal Error	Cal Limit	Error Method	Pass/Fail	On-Line	Gas Type Code	Vendor ID	Cylinder ID	Expire Date
NOXPPM														
04/02/2016 04:57	0.0	0.2	0.2	27.8	25.1	2.7	10.0	DIFF	Maint Limit	Yes	BALN NO	A12011	aal070773	10/30/18
04/03/2016 04:57	0.0	0.3	0.3	27.8	24.7	3.1	10.0	DIFF	Maint Limit	Yes	BALN NO	A12011	aal070773	10/30/18
04/04/2016 04:57	0.0	0.1	0.1	27.8	24.1	3.7	10.0	DIFF	Maint Limit	Yes	BALN NO	A12011	aal070773	10/30/18
04/04/2016 07:58	0.0	-0.3	0.3	27.8	27.5	0.3	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070773	10/30/18
04/05/2016 04:57	0.0	-0.1	0.1	27.8	27.0	0.8	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070773	10/30/18
04/06/2016 04:57	0.0	-0.2	0.2	27.8	27.7	0.1	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070773	10/30/18
04/07/2016 04:57	0.0	-0.2	0.2	27.8	28.0	0.2	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070773	10/30/18
04/08/2016 04:57	0.0	-0.2	0.2	27.8	27.0	0.8	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070773	10/30/18
04/09/2016 04:57	0.0	-0.2	0.2	27.8	27.2	0.6	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070773	10/30/18
04/10/2016 04:57	0.0	-0.2	0.2	27.8	28.2	0.4	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070773	10/30/18
04/11/2016 04:57	0.0	-0.2	0.2	27.8	28.3	0.5	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070773	10/30/18
04/12/2016 04:57	0.0	-0.3	0.3	27.8	27.7	0.1	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070773	10/30/18
04/13/2016 04:57	0.0	0.0	0.0	27.8	27.1	0.7	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070773	10/30/18
04/14/2016 04:57	0.0	-0.2	0.2	27.8	28.7	0.9	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070773	10/30/18
04/15/2016 04:57	0.0	-0.1	0.1	27.8	28.9	1.1	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070773	10/30/18
04/16/2016 04:57	0.0	-0.1	0.1	27.8	27.1	0.7	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070773	10/30/18
04/17/2016 04:57	0.0	-0.2	0.2	27.8	28.4	0.6	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070773	10/30/18
04/18/2016 04:57	0.0	-0.2	0.2	27.8	28.0	0.2	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070773	10/30/18
04/19/2016 04:57	0.0	-0.2	0.2	27.8	27.2	0.6	10.0	DIFF	Passed	Yes	BALN NO	A12011	aal070773	10/30/18

Calibration Error: **Failed Test** | Failed Level | Maintenance Limit

Calibration Detail

Plant: MONROE ENERGY, LLC.

Report Period: 01/01/2016 00:00 Through 06/30/2016 23:59

Source: BOILER10

	Zero Level			Span Level			Results				Protocol Gas Details			
End Date / Time	Reference Value	Actual Response	Cal Error	Reference Value	Actual Response	Cal Error	Cal Limit	Error Method	Pass/Fail	On-Line	Gas Type Code	Vendor ID	Cylinder ID	Expire Date
NOXPPM														
05/11/2016 04:56	0.0	-0.1	0.1	27.8	25.4	2.4	10.0	DIFF	Maint Limit	Yes	H2S		aal072318	08/19/18
05/11/2016 12:34	0.0	-0.2	0.2	27.8	27.3	0.5	10.0	DIFF	Passed	Yes	H2S		aal072318	08/19/18
05/12/2016 04:56	0.0	-0.1	0.1	27.8	26.9	0.9	10.0	DIFF	Passed	Yes	H2S		aal072318	08/19/18
05/13/2016 04:56	0.0	-0.2	0.2	27.8	27.4	0.4	10.0	DIFF	Passed	Yes	H2S		aal072318	08/19/18
05/14/2016 04:56	0.0	-0.2	0.2	27.8	27.3	0.5	10.0	DIFF	Passed	Yes	H2S		aal072318	08/19/18
05/15/2016 04:56	0.0	0.1	0.1	27.8	27.1	0.7	10.0	DIFF	Passed	Yes	H2S		aal072318	08/19/18
05/16/2016 04:56	0.0	-0.1	0.1	27.8	26.7	1.1	10.0	DIFF	Passed	Yes	H2S		aal072318	08/19/18
05/17/2016 04:56	0.0	-0.1	0.1	27.8	28.1	0.3	10.0	DIFF	Passed	Yes	H2S		aal072318	08/19/18
05/18/2016 04:56	0.0	-0.2	0.2	27.8	27.3	0.5	10.0	DIFF	Passed	Yes	H2S		aal072318	08/19/18
05/19/2016 04:56	0.0	-0.2	0.2	27.8	27.3	0.5	10.0	DIFF	Passed	Yes	H2S		aal072318	08/19/18
05/20/2016 04:56	0.0	-0.2	0.2	27.8	27.5	0.3	10.0	DIFF	Passed	Yes	H2S		aal072318	08/19/18
05/21/2016 04:56	0.0	-0.1	0.1	27.8	27.3	0.5	10.0	DIFF	Passed	Yes	H2S		aal072318	08/19/18
05/22/2016 04:56	0.0	-0.1	0.1	27.8	27.3	0.5	10.0	DIFF	Passed	Yes	H2S		aal072318	08/19/18
05/23/2016 04:56	0.0	-0.2	0.2	27.8	28.5	0.7	10.0	DIFF	Passed	Yes	H2S		aal072318	08/19/18
05/24/2016 04:56	0.0	-0.3	0.3	27.8	28.6	0.8	10.0	DIFF	Passed	Yes	H2S		aal072318	08/19/18
05/25/2016 04:56	0.0	-0.4	0.4	27.8	27.2	0.6	10.0	DIFF	Passed	Yes	NOX		al2901	10/30/18
05/26/2016 04:56	0.0	-0.3	0.3	27.8	27.4	0.4	10.0	DIFF	Passed	Yes	NOX		al2901	10/30/18
05/27/2016 04:56	0.0	-0.3	0.3	27.8	27.3	0.5	10.0	DIFF	Passed	Yes	NOX		al2901	10/30/18
05/28/2016 04:56	0.0	-0.3	0.3	27.8	27.2	0.6	10.0	DIFF	Passed	Yes	NOX		al2901	10/30/18
05/29/2016 04:56	0.0	-0.2	0.2	27.8	27.2	0.6	10.0	DIFF	Passed	Yes	NOX		al2901	10/30/18
05/30/2016 04:56	0.0	-0.1	0.1	27.8	27.3	0.5	10.0	DIFF	Passed	Yes	NOX		al2901	10/30/18
05/31/2016 04:56	0.0	-0.2	0.2	27.8	26.7	1.1	10.0	DIFF	Passed	Yes	NOX		al2901	10/30/18
06/01/2016 04:56	0.0	-0.3	0.3	27.8	27.8	0.0	10.0	DIFF	Passed	Yes	NOX		al2901	10/30/18
06/02/2016 04:56	0.0	-0.2	0.2	27.8	29.4	1.6	10.0	DIFF	Passed	Yes	NOX		al2901	10/30/18
06/03/2016 04:56	0.0	-0.2	0.2	27.8	27.3	0.5	10.0	DIFF	Passed	Yes	NOX		al2901	10/30/18
06/04/2016 04:56	0.0	-0.2	0.2	27.8	26.9	0.9	10.0	DIFF	Passed	Yes	NOX		al2901	10/30/18
06/05/2016 04:56	0.0	-0.2	0.2	27.8	27.7	0.1	10.0	DIFF	Passed	Yes	NOX		al2901	10/30/18
06/06/2016 04:56	0.0	-0.1	0.1	27.8	28.5	0.7	10.0	DIFF	Passed	Yes	NOX		al2901	10/30/18
06/07/2016 04:56	0.0	-0.1	0.1	27.8	26.9	0.9	10.0	DIFF	Passed	Yes	NOX		al2901	10/30/18

Calibration Error: **Failed Test** Failed Level Maintenance Limit

Linearity Test

Plant: MONROE ENERGY, LLC.

Report Period: 01/01/2016 00:00 Through 06/30/2016 23:59

Source: BOILER9
Parameter: NOXPPM
System ID: 00Q
Component ID: 046
Span Value: 30.000
Span Scale Code: L

Test End Date/Time: 03/12/16 09:56
Test Number: XML (046-Q1-2016-1) / EDR (1)
Reason for Test: Periodic Quality Assurance
Test Result: **Pass**
Abbreviated?: No

Injection Time	Reference Value	Measured Value	Difference	% of Reference
Mid-Level				
03/12/16 09:28	15.000	14.900	0.100	0.7
03/12/16 09:40	15.000	15.100	-0.100	0.7
03/12/16 09:52	15.000	14.900	0.100	0.7

Reference Mean: 15.000
Measured Mean: 14.967
Level Error: 0.2
APS Indicator: False
Gas Type Code:
Vendor Identifier:
Cylinder #:
Cylinder Exp. Date:

Injection Time	Reference Value	Measured Value	Difference	% of Reference
High-Level				
03/12/16 09:31	27.800	27.600	0.200	0.7
03/12/16 09:45	27.800	28.100	-0.300	1.1
03/12/16 09:56	27.800	28.000	-0.200	0.7

Reference Mean: 27.800
Measured Mean: 27.900
Level Error: 0.4
APS Indicator: False
Gas Type Code:
Vendor Identifier:
Cylinder #:
Cylinder Exp. Date:

Injection Time	Reference Value	Measured Value	Difference	% of Reference
Low-Level				
03/12/16 09:23	0.000	0.000	0.000	
03/12/16 09:35	0.000	0.900	-0.900	
03/12/16 09:49	0.000	0.200	-0.200	

Reference Mean: 0.000
Measured Mean: 0.367
Level Error:
APS Indicator: False
Gas Type Code:
Vendor Identifier:
Cylinder #:
Cylinder Exp. Date:

Linearity Test

Plant: MONROE ENERGY, LLC.

Report Period: 01/01/2016 00:00 Through 06/30/2016 23:59

Source: BOILER9
Parameter: NOXPPM
System ID: 00Q
Component ID: 046
Span Value: 30.000
Span Scale Code: L

Test End Date/Time: 06/09/16 12:20
Test Number: XML (046-Q2-2016-1) / EDR (1)
Reason for Test: Periodic Quality Assurance
Test Result: **Pass**
Abbreviated?: No

Injection Time	Reference Value	Measured Value	Difference	% of Reference
High-Level				
06/09/16 11:58	27.800	28.000	-0.200	0.7
06/09/16 12:08	27.800	27.900	-0.100	0.4
06/09/16 12:20	27.800	27.900	-0.100	0.4

Reference Mean: 27.800
Measured Mean: 27.933
Level Error: 0.5
APS Indicator: False
Gas Type Code:
Vendor Identifier:
Cylinder #: aal069969
Cylinder Exp. Date: 10/30/2018

Injection Time	Reference Value	Measured Value	Difference	% of Reference
Mid-Level				
06/09/16 11:54	15.000	15.100	-0.100	0.7
06/09/16 12:04	15.000	15.000	0.000	0.0
06/09/16 12:17	15.000	15.100	-0.100	0.7

Reference Mean: 15.000
Measured Mean: 15.067
Level Error: 0.4
APS Indicator: False
Gas Type Code:
Vendor Identifier:
Cylinder #: aal069969
Cylinder Exp. Date: 10/30/2018

Injection Time	Reference Value	Measured Value	Difference	% of Reference
Low-Level				
06/09/16 11:50	0.000	0.000	0.000	
06/09/16 12:02	0.000	0.100	-0.100	
06/09/16 12:13	0.000	0.200	-0.200	

Reference Mean: 0.000
Measured Mean: 0.100
Level Error:
APS Indicator: False
Gas Type Code:
Vendor Identifier:
Cylinder #:
Cylinder Exp. Date:

Linearity Test

Plant: MONROE ENERGY, LLC.

Report Period: 01/01/2016 00:00 Through 06/30/2016 23:59

Source: BOILER10
Parameter: O2
System ID: 00S
Component ID: 038
Span Value: 25.000
Span Scale Code: H

Test End Date/Time: 03/22/16 13:12
Test Number: XML (038-Q1-2016-1) / EDR (1)
Reason for Test: Periodic Quality Assurance
Test Result: **Pass**
Abbreviated?: No

Injection Time	Reference Value	Measured Value	Difference	% of Reference
Low-Level				
03/22/16 12:48	6.100	5.800	0.300	4.9
03/22/16 12:57	6.100	5.900	0.200	3.3
03/22/16 13:06	6.100	5.900	0.200	3.3

Reference Mean: 6.100
Measured Mean: 5.867
Level Error: 3.8
APS Indicator: False
Gas Type Code: BALN,O2
Vendor Identifier: A12011
Cylinder #: ALM013858
Cylinder Exp. Date: 11/08/2020

Injection Time	Reference Value	Measured Value	Difference	% of Reference
Mid-Level				
03/22/16 12:51	13.100	12.900	0.200	1.5
03/22/16 13:00	13.100	12.900	0.200	1.5
03/22/16 13:09	13.100	12.900	0.200	1.5

Reference Mean: 13.100
Measured Mean: 12.900
Level Error: 1.5
APS Indicator: False
Gas Type Code: BALN,O2
Vendor Identifier: A12011
Cylinder #: ALM14603
Cylinder Exp. Date: 01/02/2021

Injection Time	Reference Value	Measured Value	Difference	% of Reference
High-Level				
03/22/16 12:54	21.400	21.100	0.300	1.4
03/22/16 13:03	21.400	21.200	0.200	0.9
03/22/16 13:12	21.400	21.200	0.200	0.9

Reference Mean: 21.400
Measured Mean: 21.167
Level Error: 1.1
APS Indicator: False
Gas Type Code: BALN,O2
Vendor Identifier: A12011
Cylinder #: il3379
Cylinder Exp. Date: 10/20/2023

Linearity Test

Plant: MONROE ENERGY, LLC.

Report Period: 01/01/2016 00:00 Through 06/30/2016 23:59

Source: BOILER10
Parameter: O2
System ID: 00S
Component ID: 038
Span Value: 25.000
Span Scale Code: H

Test End Date/Time: 06/15/16 09:53
Test Number: XML (038-Q2-2016-1) / EDR (1)
Reason for Test: Periodic Quality Assurance
Test Result: **Pass**
Abbreviated?: No

Injection Time	Reference Value	Measured Value	Difference	% of Reference
Low-Level				
06/15/16 09:28	6.100	5.800	0.300	4.9
06/15/16 09:38	6.100	6.000	0.100	1.6
06/15/16 09:47	6.100	6.100	0.000	0.0

Reference Mean: 6.100
Measured Mean: 5.967
Level Error: 2.2
APS Indicator: False
Gas Type Code: BALN,O2
Vendor Identifier: A12011
Cylinder #: ALM013858
Cylinder Exp. Date: 11/08/2020

Injection Time	Reference Value	Measured Value	Difference	% of Reference
Mid-Level				
06/15/16 09:31	13.100	12.700	0.400	3.1
06/15/16 09:41	13.100	13.000	0.100	0.8
06/15/16 09:50	13.100	13.000	0.100	0.8

Reference Mean: 13.100
Measured Mean: 12.900
Level Error: 1.5
APS Indicator: False
Gas Type Code: BALN,O2
Vendor Identifier: A12011
Cylinder #: alm014603
Cylinder Exp. Date: 01/02/2021

Injection Time	Reference Value	Measured Value	Difference	% of Reference
High-Level				
06/15/16 09:35	21.900	21.900	0.000	0.0
06/15/16 09:44	21.900	21.900	0.000	0.0
06/15/16 09:53	21.900	21.900	0.000	0.0

Reference Mean: 21.900
Measured Mean: 21.900
Level Error: 0.0
APS Indicator: False
Gas Type Code: O2
Vendor Identifier:
Cylinder #: alm025937
Cylinder Exp. Date: 03/01/2024

Attachment 6: Responsible Official Certification