



January 30, 2017

CERTIFIED: 7013 2250 0001 1902 5727

Department of Environmental Quality
Office of Environmental Compliance
Enforcement Division
P.O. Box 4312
Baton Rouge, LA 70821-4312

Re: NSPS Excess Emissions & CEM Performance Report – 4th Quarter 2016
Valero Refining - Meraux LLC, Agency Interest # 1238
2500 East St. Bernard Hwy., St. Bernard Parish, Meraux, LA
Title V Permit Numbers: 2500-00001-V14

Gentlemen,

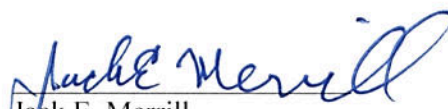
Valero Refining, Meraux LLC hereby submits this Excess Emissions and Monitoring Systems Reports, per LAC 33:III, Chapter 30, 40 CFR 60.7(c), 40 CFR 60.108a(d) and 40 CFR 63.1575 for the Fourth Quarter 2016.

For this reporting period, the SO₂/O₂ CEMS on the #3 SRU (EPN 5-00, EQT 0079) had excess emissions greater than 1 % of the total operating time. The NO_x/O₂ CEMS on No.1 Crude Heater (EPN 12-72A, EQT 0022) had downtime greater than 5 % of the total operating time. Enclosed are the Data Assessment Reports for the appropriate CEMs and information required by NSPS Subpart Ja, 40 CFR 60.108a(d). Subpart Ja root cause and corrective action analysis reports are included with this submittal. Updates to previously submitted Subpart Ja root cause and corrective action analysis reports are also included if corrective actions were completed in this reporting period.

Should you have any questions regarding this submission, please contact Mr. Justin Stubbe at (504) 271-4141.

I certify, based on information and belief formed after reasonable inquiry, the statements and information in this document are true, accurate, and complete.

Regards,


Jack E. Merrill
Vice President & General Manager
Valero Refining – Meraux LLC

Enclosures

cc: Mr. Brian Tusa, LDEQ SE Regional Office, New Orleans, LA

**SUMMARY REPORT - GASEOUS AND OPACITY EXCESS EMISSIONS AND
MONITORING SYSTEMS PERFORMANCE**

(per 40 CFR 60.7(d) and 60.108a(d))

Pollutant: **SO₂**

Applicable NSPS Subpart: Ja

Reporting period dates: From 10/1/16 to 12/31/16

Date submitted: 1/30/17

Company: Valero Refining - Meraux LLC

Address: 2500 East St. Bernard Highway, Meraux, LA 70075

Emission Limitation: SO₂ corrected to 0% O₂ shall not exceed 250 ppm on a 12-hour rolling average

Monitor Manufacturer and Model No.: Brimstone SGX-231(SO₂)/Rosemount Oxymitter 4000(O₂)

Date of Latest CMS Certification or Audit: CGA on 10/25/16 (SO₂), 10/26/16 (O₂)

Process Unit(s) Description: #2 SRU Incinerator (EPN 1-93, EQT 0019)

Total source operating time in reporting period: 1,712 hours

Emissions Data Summary¹	
1. Duration of excess emissions in reporting period due to:	(hours)
a. Startup/shutdown	0
b. Control equipment problems	0
c. Process problems	0
d. Other known causes	0
e. Unknown causes	0
2. Total duration of excess emission	0
3. Total duration of excess emissions x (100) [Total source operating time] ²	0.0 %

CMS Performance Summary¹	
1. CMS downtime in reporting period due to:	(hours)
a. Monitor equipment malfunctions	0
b. Non-Monitor equipment malfunctions	0
c. Quality assurance calibration	26
d. Other known causes	5
e. Unknown causes	0
2. Total CMS Downtime	31
3. Total duration of CMS Downtime x (100) [Total source operating time] ²	1.8 %

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 §60.7(c) shall be submitted.

**SUMMARY REPORT - GASEOUS AND OPACITY EXCESS EMISSIONS AND
MONITORING SYSTEMS PERFORMANCE**

(per 40 CFR 60.7(d) and 60.108a(d))

Pollutant: **SO₂**

Applicable NSPS Subpart: Ja

Reporting period dates: From 10/1/16 to 12/31/16

Date submitted: 1/30/17

Company: Valero Refining - Meraux LLC

Address: 2500 East St. Bernard Highway, Meraux, LA 70075

Emission Limitation: SO₂ corrected to 0% O₂ shall not exceed 250 ppm on a 12-hour rolling average.

Monitor Manufacturer and Model No.: Brimstone 991-CEM-X(SO₂)/ Rosemount Oxymitter 4000(O₂)

Date of Latest CMS Certification or Audit: CGA on 10/24/16 (SO₂), 10/24/16 (O₂)

Process Unit(s) Description: #3 SRU Incinerator (EPN 5-00, EQT 0079)

Total source operating time in reporting period: 1,595 hours

Emissions Data Summary¹	
1. Duration of excess emissions in reporting period due to:	(hours)
a. Startup/shutdown	36
b. Control equipment problems	0
c. Process problems	18
d. Other known causes	0
e. Unknown causes	0
2. Total duration of excess emission	54
3. Total duration of excess emissions x (100) [Total source operating time] ²	3.4 %

CMS Performance Summary¹	
1. CMS downtime in reporting period due to:	(hours)
a. Monitor equipment malfunctions	0
b. Non-Monitor equipment malfunctions	0
c. Quality assurance calibration	2
d. Other known causes	31
e. Unknown causes	0
2. Total CMS Downtime	33
3. Total duration of CMS Downtime x (100) [Total source operating time] ²	2.1 %

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 §60.7(c) shall be submitted.

SUMMARY REPORT - GASEOUS AND OPACITY EXCESS EMISSIONS AND MONITORING SYSTEMS PERFORMANCE

(per 40 CFR 60.7(d))

Pollutant: **H₂S**

Applicable NSPS Subpart: J

Reporting period dates: From 10/1/16 to 12/31/16

Date submitted: 1/30/17

Company: Valero Refining - Meraux LLC

Address: 2500 East St. Bernard Highway, Meraux, LA 70075

Emission Limitation: Hydrogen Sulfide shall not exceed 162 ppm on a 3-hour rolling average

Monitor Manufacturer and Model No.: Ametek, #4661

Date of Latest CMS Certification or Audit: CGA on 10/27/16

Process Unit(s) Description: Area 1 Fuel Drum for Boiler TB-01 (EPN 1-06, EQT 0010), Boiler B-7 (EPN 1-07, EQT 0011), MDH
Product and Fractionator Heaters (EPN 2-92, EQT 0033)

Total source operating time in reporting period: EQT 0010- 2,204 hours, EQT 0011- 2,209 hours, EQT 0033-1,631 hours

Emissions Data Summary¹			
1. Duration of excess emissions in reporting period due to:	<i>EQT 0010 (hours)</i>	<i>EQT 0011 (hours)</i>	<i>EQT 0033 (hours)</i>
a. Startup/shutdown	0	0	0
b. Control equipment problems	0	0	0
c. Process problems	0	0	0
d. Other known causes	0	0	0
e. Unknown causes	0	0	0
2. Total duration of excess emission	0	0	0
3. Total duration of excess emissions x (100) [Total source operating time] ²	0.0 %	0.0 %	0.0 %

CMS Performance Summary¹			
1. CMS downtime in reporting period due to:	<i>EQT 0010 (hours)</i>	<i>EQT 0011 (hours)</i>	<i>EQT 0033 (hours)</i>
a. Monitor equipment malfunctions	0	0	0
b. Non-Monitor equipment malfunctions	0	0	0
c. Quality assurance calibration	1	1	0
d. Other known causes	0	0	0
e. Unknown causes	0	0	0
2. Total CMS Downtime	1	1	0
3. Total duration of CMS Downtime x (100) [Total source operating time] ²	0.0 %	0.0 %	0.0 %

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 §60.7(c) shall be submitted. (Percentage based on the lowest operating time.)

SUMMARY REPORT - GASEOUS AND OPACITY EXCESS EMISSIONS AND MONITORING SYSTEMS PERFORMANCE

(per 40 CFR 60.7(d))

Pollutant: **H₂S**

Applicable NSPS Subpart: J

Reporting period dates: From 10/1/16 to 12/31/16

Date submitted: 1/30/17

Company: Valero Refining - Meraux LLC

Address: 2500 East St. Bernard Highway, Meraux, LA 70075

Emission Limitation: Subpart J: Hydrogen Sulfide shall not exceed 162 ppm on a 3-hour rolling average.

Monitor Manufacturer and Model No.: Ametek 4661

Date of Latest CMS Certification or Audit: CGA on 10/25/16

Process Unit(s) Description: Area 2 Fuel Drum for: Vacuum Heater (EPN 1-76, EQT 0013); No.1 Crude Heater (EPN 12-72A, EQT 0022); NHT Charge Heater (EPN 14-72, EQT 0023); NHT Debut Reboiler (EPN 15-72, EQT 0024); NHT Depent Reboiler (EPN 16-72 EQT 0027); Platformer Charge Heater (EPN 17-72 a,b,c , EQT 0028); Platformer Debut Reboiler (EPN 19-72, EQT 0029); DHT Charge Heater (EPN 5-73, EQT 0058); ROSE Heater (EPN 1-80, EQT 0014)

Total source operating time in reporting period: EQT 0013-2,209 hours; EQT 0022-2,209 hours; EQT 0023-2,209 hours; EQT 0024-2,209 hours; EQT 0027-2,209 hours; EQT 0028-2,209 hours; EQT 0029-2,209 hours; EQT 0058 – 2,128 hours; EQT 0014 - 2,147 hours

Emissions Data Summary¹	
1. Duration of excess emissions in reporting period due to:	<i>All EQT's (hours)</i>
a. Startup/shutdown	0
b. Control equipment problems	0
c. Process problems	4
d. Other known causes	0
e. Unknown causes	0
2. Total duration of excess emission	4
3. Total duration of excess emissions x (100) [Total source operating time] ²	0.2 %

CMS Performance Summary¹			
1. CMS downtime in reporting period due to:	<i>EQT's 0013-0029 (hours)</i>	<i>EQT 0058 (hours)</i>	<i>EQT 0014 (hours)</i>
a. Monitor equipment malfunctions	0	0	0
b. Non-Monitor equipment malfunctions	0	0	0
c. Quality assurance calibration	1	1	1
d. Other known causes	22	18	22
e. Unknown causes	0	0	0
2. Total CMS Downtime	23	19	23
3. Total duration of CMS Downtime x (100) [Total source operating time] ²	1.0 %	0.9 %	1.1 %

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 §60.7(c) shall be submitted.

**SUMMARY REPORT - GASEOUS AND OPACITY EXCESS EMISSIONS AND
MONITORING SYSTEMS PERFORMANCE**

(per 40 CFR 60.7(d) and 60.108a(d))

Pollutant: **H₂S**

Applicable NSPS Subpart: Ja

Reporting period dates: From 10/1/16 to 12/31/16

Date submitted: 1/30/17

Company: Valero Refining - Meraux LLC

Address: 2500 East St. Bernard Highway, Meraux, LA 70075

Emission Limitation: Subpart Ja: Hydrogen Sulfide shall not exceed 162 ppm on a 3-hour rolling average and 60 ppm on a 365 day rolling average.

Monitor Manufacturer and Model No.: Ametek 4661

Date of Latest CMS Certification or Audit: CGA on 10/25/16

Process Unit(s) Description: Area 2 Fuel Drum for Benzene Recovery Unit Reboiler (EPN 1-09, EQT 0127)

Total source operating time in reporting period: 2,209 hours

Emissions Data Summary¹	
1. Duration of excess emissions in reporting period due to:	(hours)
a. Startup/shutdown	0
b. Control equipment problems	0
c. Process problems	4
d. Other known causes	0
e. Unknown causes	0
2. Total duration of excess emission	4
3. Total duration of excess emissions x (100) [Total source operating time] ²	0.2%

CMS Performance Summary¹	
1. CMS downtime in reporting period due to:	(hours)
a. Monitor equipment malfunctions	0
b. Non-Monitor equipment malfunctions	0
c. Quality assurance calibration	1
d. Other known causes	22
e. Unknown causes	0
2. Total CMS Downtime	23
3. Total duration of CMS Downtime x (100) [Total source operating time] ²	1.0 %

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 §60.7(c) shall be submitted.

**SUMMARY REPORT - GASEOUS AND OPACITY EXCESS EMISSIONS AND
MONITORING SYSTEMS PERFORMANCE**

(per 40 CFR 60.7(d))

Pollutant: **H₂S**

Applicable NSPS Subpart: J

Reporting period dates: From 10/1/16 to 12/31/16

Date submitted: 1/30/17

Company: Valero Refining - Meraux LLC

Address: 2500 East St. Bernard Highway, Meraux, LA 70075

Emission Limitation: Hydrogen Sulfide shall not exceed 162 ppm on a 3-hour rolling average.

Monitor Manufacturer and Model No.: Ametek 4661

Date of Latest CMS Certification or Audit: CGA on 10/26/16

Process Unit(s) Description: Area 4 Fuel Drum for Merox Disulfide Separator to Platformer Charge Heater

Total source operating time in reporting period: 2,209 hours

Emissions Data Summary¹	
1. Duration of excess emissions in reporting period due to:	(hours)
a. Startup/shutdown	0
b. Control equipment problems	0
c. Process problems	4
d. Other known causes	0
e. Unknown causes	0
2. Total duration of excess emission	4
3. Total duration of excess emissions x (100) [Total source operating time] ²	0.2 %

CMS Performance Summary¹	
1. CMS downtime in reporting period due to:	(hours)
a. Monitor equipment malfunctions	0
b. Non-Monitor equipment malfunctions	0
c. Quality assurance calibration	1
d. Other known causes	16
e. Unknown causes	0
2. Total CMS Downtime	17
3. Total duration of CMS Downtime x (100) [Total source operating time] ²	0.8 %

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 §60.7(c) shall be submitted.

**SUMMARY REPORT - GASEOUS AND OPACITY EXCESS EMISSIONS AND
MONITORING SYSTEMS PERFORMANCE**

(per 40 CFR 60.7(d))

Pollutant: **H₂S**

Applicable NSPS Subpart: J

Reporting period dates: From 10/1/16 to 12/31/16

Date submitted: 1/30/17

Company: Valero Refining - Meraux LLC

Address: 2500 East St. Bernard Highway, Meraux, LA 70075

Emission Limitation: Hydrogen Sulfide shall not exceed 162 ppm on a 3-hour rolling average.

Monitor Manufacturer and Model No.: Ametek 4661

Date of Latest CMS Certification or Audit: CGA on 10/26/16

Process Unit(s) Description: Area 6 Fuel Drum for Hydrocracker & Hydrotreater Charge Heaters (EPN 1-00, EQT 0009)

Total source operating time in reporting period: 1,335 hours

Emissions Data Summary¹	
1. Duration of excess emissions in reporting period due to:	(hours)
a. Startup/shutdown	0
b. Control equipment problems	0
c. Process problems	7
d. Other known causes	0
e. Unknown causes	0
2. Total duration of excess emission	7
3. Total duration of excess emissions x (100) [Total source operating time] ²	0.5 %

CMS Performance Summary¹	
1. CMS downtime in reporting period due to:	(hours)
a. Monitor equipment malfunctions	0
b. Non-Monitor equipment malfunctions	0
c. Quality assurance calibration	2
d. Other known causes	20
e. Unknown causes	0
2. Total CMS Downtime	22
3. Total duration of CMS Downtime x (100) [Total source operating time] ²	1.6 %

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 §60.7(c) shall be submitted.

**SUMMARY REPORT - GASEOUS AND OPACITY EXCESS EMISSIONS AND
MONITORING SYSTEMS PERFORMANCE**

(per 40 CFR 60.7(d))

Pollutant: **H₂S**

Applicable NSPS Subpart: J

Reporting period dates: From 10/1/16 to 12/31/16

Date submitted: 1/30/17

Company: Valero Refining - Meraux LLC

Address: 2500 East St. Bernard Highway, Meraux, LA 70075

Emission Limitation: Hydrogen Sulfide shall not exceed 162 ppm on a 3-hour rolling average.

Monitor Manufacturer and Model No.: Ametek 4661

Date of Latest CMS Certification or Audit: CGA on 11/28/16

Process Unit(s) Description: Area 6 Fuel Drum for Boiler B-5 (EPN 2-00, EQT 0030) and Boiler B-6 (EPN 3-00, EQT 0048)

Total source operating time in reporting period: EQT 0030-2,209 hours; EQT 0048-2,203 hours

Emissions Data Summary¹		
1. Duration of excess emissions in reporting period due to:	<i>EQT 0030 (hours)</i>	<i>EQT 0048 (hours)</i>
a. Startup/shutdown	0	0
b. Control equipment problems	0	0
c. Process problems	3	3
d. Other known causes	0	0
e. Unknown causes	0	0
2. Total duration of excess emission	3	3
3. Total duration of excess emissions x (100) [Total source operating time] ²	0.1 %	0.1 %

CMS Performance Summary¹		
1. CMS downtime in reporting period due to:	<i>EQT 0030 (hours)</i>	<i>EQT 0048 (hours)</i>
a. Monitor equipment malfunctions	0	0
b. Non-Monitor equipment malfunctions	0	0
c. Quality assurance calibration	2	2
d. Other known causes	0	0
e. Unknown causes	0	0
2. Total CMS Downtime	2	2
3. Total duration of CMS Downtime x (100) [Total source operating time] ²	0.1 %	0.1 %

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 §60.7(c) shall be submitted.

**SUMMARY REPORT - GASEOUS AND OPACITY EXCESS EMISSIONS AND
MONITORING SYSTEMS PERFORMANCE**

(per 40 CFR 60.7(d))

Pollutant: **NO_x**

Applicable NSPS Subpart: Db

Reporting period dates: From 10/1/16 to 12/31/16

Date submitted: 1/30/17

Company: Valero Refining - Meraux LLC

Address: 2500 East St. Bernard Highway, Meraux, LA 70075

Emission Limitation: Nitrogen Oxide shall not exceed 0.1 pound/MMBtu on a 30-day rolling average.

Monitor Manufacturer and Model No.: ABB Limas11(NO_x), Magnos27 (O₂)

Date of Latest CMS Certification or Audit: CGA on 10/25/16 (NO_x), 10/19/16 (O₂)

Process Unit(s) Description: Boiler B-5 (EPN 2-00, EQT 0030)

Total source operating time in reporting period: 2,203 hours

Emissions Data Summary ¹	
1. Duration of excess emissions in reporting period due to:	(hours)
a. Startup/shutdown	0
b. Control equipment problems	0
c. Process problems	0
d. Other known causes	0
e. Unknown causes	0
2. Total duration of excess emission	0
3. Total duration of excess emissions x (100) [Total source operating time] ²	0.0 %

CMS Performance Summary ¹	
1. CMS downtime in reporting period due to:	(hours)
a. Monitor equipment malfunctions	0
b. Non-Monitor equipment malfunctions	0
c. Quality assurance calibration	2
d. Other known causes	0
e. Unknown causes	0
2. Total CMS Downtime	2
3. Total duration of CMS Downtime x (100) [Total source operating time] ²	0.1%

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 §60.7(c) shall be submitted.

**SUMMARY REPORT - GASEOUS AND OPACITY EXCESS EMISSIONS AND
MONITORING SYSTEMS PERFORMANCE**

(per 40 CFR 60.7(d))

Pollutant: **NO_x**

Applicable NSPS Subpart: Db

Reporting period dates: From 10/1/16 to 12/31/16

Date submitted: 1/30/17

Company: Valero Refining - Meraux LLC

Address: 2500 East St. Bernard Highway, Meraux, LA 70075

Emission Limitation: Nitrogen Oxide shall not exceed 0.1 pound/MMBtu on a 30-day rolling average.

Monitor Manufacturer and Model No.: ABB Limas11(NO_x), Magnos27 (O₂)

Date of Latest CMS Certification or Audit: CGA on 10/25/16 (NO_x), 10/19/16 (O₂)

Process Unit(s) Description: Boiler B-6 (EPN 3-00, EQT 0048)

Total source operating time in reporting period: 2,209 hours

Emissions Data Summary¹	
1. Duration of excess emissions in reporting period due to:	(hours)
a. Startup/shutdown	0
b. Control equipment problems	0
c. Process problems	0
d. Other known causes	0
e. Unknown causes	0
2. Total duration of excess emission	0
3. Total duration of excess emissions x (100) [Total source operating time] ²	0.0 %

CMS Performance Summary¹	
1. CMS downtime in reporting period due to:	(hours)
a. Monitor equipment malfunctions	0
b. Non-Monitor equipment malfunctions	0
c. Quality assurance calibration	2
d. Other known causes	3
e. Unknown causes	0
2. Total CMS Downtime	5
3. Total duration of CMS Downtime x (100) [Total source operating time] ²	0.2 %

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 §60.7(c) shall be submitted.

**SUMMARY REPORT - GASEOUS AND OPACITY EXCESS EMISSIONS AND
MONITORING SYSTEMS PERFORMANCE**

(per 40 CFR 60.7(d))

Pollutant: **NO_x**

Applicable NSPS Subpart: Db

Reporting period dates: From 10/1/16 to 12/31/16

Date submitted: 1/30/17

Company: Valero Refining - Meraux LLC

Address: 2500 East St. Bernard Highway, Meraux, LA 70075

Emission Limitation: Nitrogen Oxide shall not exceed 0.1 pound/MMBtu on a 30-day rolling average.

Monitor Manufacturer and Model No.: Thermo Environmental 42i (NO_x)/(O₂)

Date of Latest CMS Certification or Audit: CGA on 10/28/16 (NO_x), 10/19/16 (O₂)

Process Unit(s) Description: Boiler TB-01 (EPN 1-06, EQT 0010)

Total source operating time in reporting period: 2,204 hours

Emissions Data Summary ¹	
1. Duration of excess emissions in reporting period due to:	(hours)
a. Startup/shutdown	0
b. Control equipment problems	0
c. Process problems	0
d. Other known causes	0
e. Unknown causes	0
2. Total duration of excess emission	0
3. Total duration of excess emissions x (100) [Total source operating time] ²	0.0 %

CMS Performance Summary ¹	
1. CMS downtime in reporting period due to:	(hours)
a. Monitor equipment malfunctions	0
b. Non-Monitor equipment malfunctions	0
c. Quality assurance calibration	103
d. Other known causes	2
e. Unknown causes	0
2. Total CMS Downtime	105
3. Total duration of CMS Downtime x (100) [Total source operating time] ²	4.8 %

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 §60.7(c) shall be submitted.

**SUMMARY REPORT - GASEOUS AND OPACITY EXCESS EMISSIONS AND
MONITORING SYSTEMS PERFORMANCE**

(per 40 CFR 60.7(d) and 60.108a(d))

Pollutant: **NO_x**

Applicable NSPS Subpart: Ja

Reporting period dates: From 10/1/16 to 12/31/16

Date submitted: 1/30/17

Company: Valero Refining - Meraux LLC

Address: 2500 East St. Bernard Highway, Meraux, LA 70075

Emission Limitation: Nitrogen Oxide corrected to 0% O₂ shall not exceed 40 ppm on a 30-day rolling average

Monitor Manufacturer and Model No.: Thermo Environmental 42i (NO_x)/(O₂)

Date of Latest CMS Certification or Audit: CGA on 10/22/16 (NO_x), 10/22/16 (O₂)

Process Unit(s) Description: Benzene Recovery Unit Reboiler (EPN 1-09, EQT 0127)

Total source operating time in reporting period: 2,209 hours

Emissions Data Summary¹	
1. Duration of excess emissions in reporting period due to:	<i>(hours)</i>
a. Startup/shutdown	0
b. Control equipment problems	0
c. Process problems	0
d. Other known causes	0
e. Unknown causes	0
2. Total duration of excess emission	0
3. Total duration of excess emissions x (100) [Total source operating time] ²	0.0 %

CMS Performance Summary¹	
1. CMS downtime in reporting period due to:	<i>(hours)</i>
a. Monitor equipment malfunctions	0
b. Non-Monitor equipment malfunctions	0
c. Quality assurance calibration	67
d. Other known causes	34
e. Unknown causes	0
2. Total CMS Downtime	101
3. Total duration of CMS Downtime x (100) [Total source operating time] ²	4.6 %

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 §60.7(c) shall be submitted.

**SUMMARY REPORT - GASEOUS AND OPACITY EXCESS EMISSIONS AND
MONITORING SYSTEMS PERFORMANCE**

(per 40 CFR 60.7(d) and 60.108a(d))

Pollutant: **NO_x**

Applicable NSPS Subpart: N/A (Required by Consent Decree: 3:10-cv-00563-bbc, Paragraph 36.a)

Reporting period dates: From 10/1/16 to 12/31/16

Date submitted: 1/30/17

Company: Valero Refining - Meraux LLC

Address: 2500 East St. Bernard Highway, Meraux, LA 70075

Emission Limitation: None

Monitor Manufacturer and Model No.: ABB Limas11(NO_x), Magnos27 (O₂)

Date of Latest CMS Certification or Audit: CGA on 11/10/16 (NO_x), 11/10/16 (O₂)

Process Unit(s) Description: No.1 Crude Heater (EPN 12-72A, EQT 0022)

Total source operating time in reporting period: 2,209 hours

Emissions Data Summary¹	
1. Duration of excess emissions in reporting period due to:	<i>(hours)</i>
a. Startup/shutdown	0
b. Control equipment problems	0
c. Process problems	0
d. Other known causes	0
e. Unknown causes	0
2. Total duration of excess emission	0
3. Total duration of excess emissions x (100) [Total source operating time] ²	0.0 %

CMS Performance Summary¹	
1. CMS downtime in reporting period due to:	<i>(hours)</i>
a. Monitor equipment malfunctions	0
b. Non-Monitor equipment malfunctions	0
c. Quality assurance calibration	136
d. Other known causes	0
e. Unknown causes	0
2. Total CMS Downtime	136
3. Total duration of CMS Downtime x (100) [Total source operating time] ²	6.2 %

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 §60.7(c) shall be submitted.

**SUMMARY REPORT - GASEOUS AND OPACITY EXCESS EMISSIONS AND
MONITORING SYSTEMS PERFORMANCE**

(per 40 CFR 60.7(d) and 60.108a(d))

Pollutant: **H₂S**

Applicable NSPS Subpart: Ja

Reporting period dates: From 10/1/16 to 12/31/16

Date submitted: 1/30/17

Company: Valero Refining - Meraux LLC

Address: 2500 East St. Bernard Highway, Meraux, LA 70075

Emission Limitation: Hydrogen Sulfide shall not exceed 162 ppm on a 3-hour rolling average.

Monitor Manufacturer and Model No.: Ametek 5100

Date of Latest CMS Certification or Audit: CGA on 12/7/16

Process Unit(s) Description: North Flare Stack (EPN 20-72, EQT 0035), North Flare Header

Total source operating time in reporting period: 2,209 hours

Emissions Data Summary¹	
1. Duration of excess emissions in reporting period due to:	(hours)
a. Startup/shutdown	0
b. Control equipment problems	0
c. Process problems	3
d. Other known causes	0
e. Unknown causes	0
2. Total duration of excess emission	3
3. Total duration of excess emissions x (100) [Total source operating time] ²	0.1 %

CMS Performance Summary¹	
1. CMS downtime in reporting period due to:	(hours)
a. Monitor equipment malfunctions	0
b. Non-Monitor equipment malfunctions	0
c. Quality assurance calibration	1
d. Other known causes	0
e. Unknown causes	0
2. Total CMS Downtime	1
3. Total duration of CMS Downtime x (100) [Total source operating time] ²	0.0%

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 §60.7(c) shall be submitted.

**SUMMARY REPORT - GASEOUS AND OPACITY EXCESS EMISSIONS AND
MONITORING SYSTEMS PERFORMANCE**

(per 40 CFR 60.7(d) and 60.108a(d))

Pollutant: **H₂S**

Applicable NSPS Subpart: Ja

Reporting period dates: From 10/1/16 to 12/31/16

Date submitted: 1/30/17

Company: Valero Refining - Meraux LLC

Address: 2500 East St. Bernard Highway, Meraux, LA 70075

Emission Limitation: Hydrogen Sulfide shall not exceed 162 ppm on a 3-hour rolling average.

Monitor Manufacturer and Model No.: Ametek 5100

Date of Latest CMS Certification or Audit: CGA on 12/7/16

Process Unit(s) Description: North Flare Stack (EPN 20-72, EQT 0035), Hydrocracker Flare Header

Total source operating time in reporting period: 2,209 hours

Emissions Data Summary ¹	
1. Duration of excess emissions in reporting period due to:	(hours)
a. Startup/shutdown	0
b. Control equipment problems	0
c. Process problems	1
d. Other known causes	0
e. Unknown causes	0
2. Total duration of excess emission	1
3. Total duration of excess emissions x (100) [Total source operating time] ²	0.0 %

CMS Performance Summary ¹	
1. CMS downtime in reporting period due to:	(hours)
a. Monitor equipment malfunctions	0
b. Non-Monitor equipment malfunctions	0
c. Quality assurance calibration	3
d. Other known causes	0
e. Unknown causes	0
2. Total CMS Downtime	3
3. Total duration of CMS Downtime x (100) [Total source operating time] ²	0.1 %

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 §60.7(c) shall be submitted.

**SUMMARY REPORT - GASEOUS AND OPACITY EXCESS EMISSIONS AND
MONITORING SYSTEMS PERFORMANCE**

(per 40 CFR 60.7(d) and 60.108a(d))

Pollutant: **H₂S**

Applicable NSPS Subpart: Ja

Reporting period dates: From 10/1/16 to 12/31/16

Date submitted: 1/30/17

Company: Valero Refining - Meraux LLC

Address: 2500 East St. Bernard Highway, Meraux, LA 70075

Emission Limitation: Hydrogen Sulfide shall not exceed 162 ppm on a 3-hour rolling average.

Monitor Manufacturer and Model No.: Ametek 5100

Date of Latest CMS Certification or Audit: CGA on 12/7/16

Process Unit(s) Description: South Flare Stack (EPN 3-77, EQT 0049)

Total source operating time in reporting period: 2,209 hours

Emissions Data Summary¹	
1. Duration of excess emissions in reporting period due to:	(hours)
a. Startup/shutdown	0
b. Control equipment problems	0
c. Process problems	0
d. Other known causes	0
e. Unknown causes	0
2. Total duration of excess emission	0
3. Total duration of excess emissions x (100) [Total source operating time] ²	0.0 %

CMS Performance Summary¹	
1. CMS downtime in reporting period due to:	(hours)
a. Monitor equipment malfunctions	0
b. Non-Monitor equipment malfunctions	0
c. Quality assurance calibration	1
d. Other known causes	0
e. Unknown causes	0
2. Total CMS Downtime	1
3. Total duration of CMS Downtime x (100) [Total source operating time] ²	0.0 %

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 §60.7(c) shall be submitted.

**SUMMARY REPORT - GASEOUS AND OPACITY EXCESS EMISSIONS AND
MONITORING SYSTEMS PERFORMANCE**

(per 40 CFR 60.7(d) and 60.108a(d))

Pollutant: **Total Sulfur**

Applicable NSPS Subpart: Ja (Also Required by Consent Decree: 3:10-cv-00563-bbc, Paragraph 49.a.ii)

Reporting period dates: From 10/1/16 to 12/31/16

Date submitted: 1/30/17

Company: Valero Refining - Meraux LLC

Address: 2500 East St. Bernard Highway, Meraux, LA 70075

Emission Limitation: None

Monitor Manufacturer and Model No.: Thermo Scientific SOLA II

Date of Latest CMS Certification or Audit: CGA on 10/23/16

Process Unit(s) Description: North Flare Stack (EPN 20-72, EQT 0035), North Flare Header

Total source operating time in reporting period: 2,209 hours

Emissions Data Summary ¹	
1. Duration of excess emissions in reporting period due to:	(hours)
a. Startup/shutdown	0
b. Control equipment problems	0
c. Process problems	0
d. Other known causes	0
e. Unknown causes	0
2. Total duration of excess emission	0
3. Total duration of excess emissions x (100) [Total source operating time] ²	0.0 %

CMS Performance Summary ¹	
1. CMS downtime in reporting period due to:	(hours)
a. Monitor equipment malfunctions	0
b. Non-Monitor equipment malfunctions	0
c. Quality assurance calibration	4
d. Other known causes	10
e. Unknown causes	0
2. Total CMS Downtime	14
3. Total duration of CMS Downtime x (100) [Total source operating time] ²	0.6%

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 §60.7(c) shall be submitted.

**SUMMARY REPORT - GASEOUS AND OPACITY EXCESS EMISSIONS AND
MONITORING SYSTEMS PERFORMANCE**

(per 40 CFR 60.7(d) and 60.108a(d))

Pollutant: **Total Sulfur**

Applicable NSPS Subpart: Ja (Also Required by Consent Decree: 3:10-cv-00563-bbc, Paragraph 49.a.ii)

Reporting period dates: From 10/1/16 to 12/31/16

Date submitted: 1/30/17

Company: Valero Refining - Meraux LLC

Address: 2500 East St. Bernard Highway, Meraux, LA 70075

Emission Limitation: None

Monitor Manufacturer and Model No.: Thermo Scientific SOLA II

Date of Latest CMS Certification or Audit: CGA on 10/23/16

Process Unit(s) Description: North Flare Stack (EPN 20-72, EQT 0035), Hydrocracker Flare Header

Total source operating time in reporting period: 2,209 hours

Emissions Data Summary ¹	
1. Duration of excess emissions in reporting period due to:	(hours)
a. Startup/shutdown	0
b. Control equipment problems	0
c. Process problems	0
d. Other known causes	0
e. Unknown causes	0
2. Total duration of excess emission	0
3. Total duration of excess emissions x (100) [Total source operating time] ²	0.0 %

CMS Performance Summary ¹	
1. CMS downtime in reporting period due to:	(hours)
a. Monitor equipment malfunctions	0
b. Non-Monitor equipment malfunctions	0
c. Quality assurance calibration	6
d. Other known causes	19
e. Unknown causes	0
2. Total CMS Downtime	25
3. Total duration of CMS Downtime x (100) [Total source operating time] ²	1.1 %

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 §60.7(c) shall be submitted.

**SUMMARY REPORT - GASEOUS AND OPACITY EXCESS EMISSIONS AND
MONITORING SYSTEMS PERFORMANCE**

(per 40 CFR 60.7(d) and 60.108a(d))

Pollutant: **Total Sulfur**

Applicable NSPS Subpart: Ja (Also Required by Consent Decree: 3:10-cv-00563-bbc, Paragraph 49.a.ii)

Reporting period dates: From 10/1/16 to 12/31/16

Date submitted: 1/30/17

Company: Valero Refining - Meraux LLC

Address: 2500 East St. Bernard Highway, Meraux, LA 70075

Emission Limitation: None

Monitor Manufacturer and Model No.: Thermo Scientific SOLA II

Date of Latest CMS Certification or Audit: CGA on 10/23/16

Process Unit(s) Description: South Flare Stack (EPN 3-77, EQT 0049)

Total source operating time in reporting period: 2,209 hours

Emissions Data Summary ¹	
1. Duration of excess emissions in reporting period due to:	(hours)
a. Startup/shutdown	0
b. Control equipment problems	0
c. Process problems	0
d. Other known causes	0
e. Unknown causes	0
2. Total duration of excess emission	0
3. Total duration of excess emissions x (100) [Total source operating time] ²	0.0 %

CMS Performance Summary ¹	
1. CMS downtime in reporting period due to:	(hours)
a. Monitor equipment malfunctions	0
b. Non-Monitor equipment malfunctions	0
c. Quality assurance calibration	3
d. Other known causes	14
e. Unknown causes	0
2. Total CMS Downtime	17
3. Total duration of CMS Downtime x (100) [Total source operating time] ²	0.8 %

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 §60.7(c) shall be submitted.

**SUMMARY REPORT - GASEOUS AND OPACITY EXCESS EMISSIONS AND
MONITORING SYSTEMS PERFORMANCE**

(per 40 CFR 60.7(d) and 60.108a(d))

Pollutant: **Flow**

Applicable NSPS Subpart: Ja (Also Required by Consent Decree: 3:10-cv-00563-bbc, Paragraph 49.a.ii)

Reporting period dates: From 10/1/16 to 12/31/16

Date submitted: 1/30/17

Company: Valero Refining - Meraux LLC

Address: 2500 East St. Bernard Highway, Meraux, LA 70075

Emission Limitation: None

Monitor Manufacturer and Model No.: GE Panametrics GF 868

Date of Latest CMS Certification or Audit: N/A

Process Unit(s) Description: North Flare Stack (EPN 20-72, EQT 0035), North Flare Header

Total source operating time in reporting period: 2,209 hours

Emissions Data Summary¹	
1. Duration of excess emissions in reporting period due to:	(hours)
a. Startup/shutdown	0
b. Control equipment problems	0
c. Process problems	0
d. Other known causes	0
e. Unknown causes	0
2. Total duration of excess emission	0
3. Total duration of excess emissions x (100) [Total source operating time] ²	0.0 %

CMS Performance Summary¹	
1. CMS downtime in reporting period due to:	(hours)
a. Monitor equipment malfunctions	0
b. Non-Monitor equipment malfunctions	0
c. Quality assurance calibration	0
d. Other known causes	1
e. Unknown causes	0
2. Total CMS Downtime	1
3. Total duration of CMS Downtime x (100) [Total source operating time] ²	0.0%

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 §60.7(c) shall be submitted.

**SUMMARY REPORT - GASEOUS AND OPACITY EXCESS EMISSIONS AND
MONITORING SYSTEMS PERFORMANCE**

(per 40 CFR 60.7(d) and 60.108a(d))

Pollutant: **Flow**

Applicable NSPS Subpart: Ja (Also Required by Consent Decree: 3:10-cv-00563-bbc, Paragraph 49.a.ii)

Reporting period dates: From 10/1/16 to 12/31/16

Date submitted: 1/30/17

Company: Valero Refining - Meraux LLC

Address: 2500 East St. Bernard Highway, Meraux, LA 70075

Emission Limitation: None

Monitor Manufacturer and Model No.: GE Panametrics GF 868

Date of Latest CMS Certification or Audit: N/A

Process Unit(s) Description: North Flare Stack (EPN 20-72, EQT 0035), Hydrocracker Flare Header

Total source operating time in reporting period: 2,209 hours

Emissions Data Summary¹	
1. Duration of excess emissions in reporting period due to:	(hours)
a. Startup/shutdown	0
b. Control equipment problems	0
c. Process problems	0
d. Other known causes	0
e. Unknown causes	0
2. Total duration of excess emission	0
3. Total duration of excess emissions x (100) [Total source operating time] ²	0.0 %

CMS Performance Summary¹	
1. CMS downtime in reporting period due to:	(hours)
a. Monitor equipment malfunctions	0
b. Non-Monitor equipment malfunctions	0
c. Quality assurance calibration	0
d. Other known causes	1
e. Unknown causes	0
2. Total CMS Downtime	1
3. Total duration of CMS Downtime x (100) [Total source operating time] ²	0.0 %

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 §60.7(c) shall be submitted.

**SUMMARY REPORT - GASEOUS AND OPACITY EXCESS EMISSIONS AND
MONITORING SYSTEMS PERFORMANCE**

(per 40 CFR 60.7(d) and 60.108a(d))

Pollutant: **Flow**

Applicable NSPS Subpart: Ja (Also Required by Consent Decree: 3:10-cv-00563-bbc, Paragraph 49.a.ii)

Reporting period dates: From 10/1/16 to 12/31/16

Date submitted: 1/30/17

Company: Valero Refining - Meraux LLC

Address: 2500 East St. Bernard Highway, Meraux, LA 70075

Emission Limitation: None

Monitor Manufacturer and Model No.: GE Panametrics GF 868

Date of Latest CMS Certification or Audit: N/A

Process Unit(s) Description: South Flare Stack (EPN 3-77, EQT 0049)

Total source operating time in reporting period: 2,209 hours

Emissions Data Summary ¹	
1. Duration of excess emissions in reporting period due to:	(hours)
a. Startup/shutdown	0
b. Control equipment problems	0
c. Process problems	0
d. Other known causes	0
e. Unknown causes	0
2. Total duration of excess emission	0
3. Total duration of excess emissions x (100) [Total source operating time] ²	0.0 %

CMS Performance Summary ¹	
1. CMS downtime in reporting period due to:	(hours)
a. Monitor equipment malfunctions	0
b. Non-Monitor equipment malfunctions	0
c. Quality assurance calibration	0
d. Other known causes	3
e. Unknown causes	0
2. Total CMS Downtime	3
3. Total duration of CMS Downtime x (100) [Total source operating time] ²	0.1 %

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 §60.7(c) shall be submitted.

**GASEOUS AND OPACITY EXCESS EMISSIONS AND
MONITORING SYSTEMS PERFORMANCE**

(per 40 CFR 60.7(c) and 60.108a(d))

Pollutant: **SO₂**

Applicable NSPS Subpart: Ja

Reporting period dates: From 10/1/16 to 12/31/16

Date submitted: 1/30/17

Company: Valero Refining - Meraux LLC

Address: 2500 East St. Bernard Highway, Meraux, LA 70075

Emission Limitation: SO₂ corrected to 0% O₂ shall not exceed 250 ppm on a 12-hour rolling average

Monitor Manufacturer and Model No.: Brimstone SGX-231(SO₂)/Rosemount Oxymitter 4000(O₂)

Date of Latest CMS Certification or Audit: CGA on 10/25/16 (SO₂), 10/26/16 (O₂)

Process Unit(s) Description: #2 SRU Incinerator (EPN 1-93, EQT 0019)

Total source operating time in reporting period: 1,712 hours

Ja EXCESS EMISSIONS						
Date	Start	End	Duration (hours)	Max 12-HRA (ppm)	Cause	Corrective Action
None						
TOTAL			0			

Ja CMS PERFORMANCE ¹					
Date	Start	End	Duration (hours)	Cause	Corrective Action
10/13/16	10:20	11:20	1	Offline to blow out sample line and clean analyzer internals.	N/A
10/13/16	12:48	14:48	2		
10/14/16	08:10	10:10	2		
10/25/16	13:58	14:58	1	SO ₂ Cylinder Gas Audit.	N/A
11/16/16	07:14		25	Out of Control. SO ₂ Calibration drift > 4 times the allowable limit on 11/17/16.	See Data Assessment Report #2 SRU Incinerator 01. (Page 37)
11/17/16		08:14			
TOTAL			31		

¹In accordance with 40 CFR 60.108a(d)(6), changes made in operation of the emission control system during the period of data unavailability which could affect the ability of the system to meet the applicable emission limit have been compared with operation of the control system and affected facility before and following the period of data unavailability to ensure that any changes made in operation of the emission control system during the period of data unavailability did not affect the ability of the system to meet the applicable emission limit.

**GASEOUS AND OPACITY EXCESS EMISSIONS AND
MONITORING SYSTEMS PERFORMANCE**

(per 40 CFR 60.7(c) and 60.108a(d))

Pollutant: **SO₂**

Applicable NSPS Subpart: Ja

Reporting period dates: From 10/1/16 to 12/31/16

Date submitted: 1/30/17

Company: Valero Refining - Meraux LLC

Address: 2500 East St. Bernard Highway, Meraux, LA 70075

Emission Limitation: SO₂ corrected to 0% O₂ shall not exceed 250 ppm on a 12-hour rolling average.

Monitor Manufacturer and Model No.: Brimstone 991-CEM-X(SO₂)/ Rosemount Oxymitter 4000(O₂)

Date of Latest CMS Certification or Audit: CGA on 10/24/16 (SO₂), 10/24/16 (O₂)

Process Unit(s) Description: #3 SRU Incinerator (EPN 5-00, EQT 0079)

Total source operating time in reporting period: 1,595 hours

Ja EXCESS EMISSIONS						
Date	Start	End	Duration (hours)	Max 12-HRA (ppm)	Cause	Corrective Action
10/18/16	22:36		24	>500	SO ₂ at 0% O ₂ greater than 250 ppm, 12-HRA, with SO ₂ emissions less than 500 lbs/day above the allowable limit due to unit start up to hot standby with the Tail Gas Treater Bypass Open.	
10/19/16		22:36				
10/23/16	17:27		18	448	SO ₂ at 0% O ₂ greater than 250 ppm, 12-HRA, with SO ₂ emissions greater than 500 lbs/day above the allowable limit. For causes and corrective actions, see the root cause and corrective action analysis dated 10/23/16 attached at the end of this report.	
10/24/16		11:27				
11/20/16	18:23		12	301	SO ₂ at 0% O ₂ greater than 250 ppm, 12-HRA, with SO ₂ emissions less than 500 lbs/day above the allowable limit due to the unit being in hot stand by with no acid gas feed and the Tail Gas Treater Bypass open.	
11/21/16		06:23				
TOTAL			54			

Ja CMS PERFORMANCE¹					
Date	Start	End	Duration (hours)	Cause	Corrective Action
10/24/16	14:20	16:20	1	O ₂ Cylinder Gas Audit.	N/A
10/24/16	15:21	16:21	1	SO ₂ Cylinder Gas Audit.	N/A
10/29/16	04:00		31	Analyzer offline and in alarm due to SO ₂ lamp failure.	Valero replaced the lamp on 10/29/16, but the analyzer started reading negative and alarmed as the lamp "burned in". Valero re-calibrated the analyzer on 10/30/16 at 11:00.
10/30/16		11:00			
TOTAL			33		

¹In accordance with 40 CFR 60.108a(d)(6), changes made in operation of the emission control system during the period of data unavailability which could affect the ability of the system to meet the applicable emission limit have been compared with operation of the control system and affected facility before and following the period of data unavailability to ensure that any changes made in operation of the emission control system during the period of data unavailability did not affect the ability of the system to meet the applicable emission limit.

GASEOUS AND OPACITY EXCESS EMISSIONS AND MONITORING SYSTEMS PERFORMANCE

(per 40 CFR 60.7(c) and 60.108a(d))

Pollutant: **H₂S**

Applicable NSPS Subpart: Ja

Reporting period dates: From 10/1/16 to 12/31/16

Date submitted: 1/30/17

Company: Valero Refining - Meraux LLC

Address: 2500 East St. Bernard Highway, Meraux, LA 70075

Emission Limitation: Hydrogen Sulfide shall not exceed 162 ppm on a 3-hour rolling average and 60 ppm on a 365 day rolling average

Monitor Manufacturer and Model No.: Ametek 4661

Date of Latest CMS Certification or Audit: CGA on 10/25/16

Process Unit(s) Description: Area 2 Fuel Drum for Benzene Recovery Unit Reboiler (EPN 1-09, EQT 0127)

Total source operating time in reporting period: 2,209 hours

Ja EXCESS EMISSIONS						
Date	Start	End	Duration (hours)	Max 3-HRA (ppm)	Cause	Corrective Action
10/23/16	17:27	21:27	4	290	H ₂ S greater than 162 ppm, 3-HRA, with SO ₂ emissions less than 500 lbs/day above the allowable limit from the Benzene Recovery Unit Reboiler. For causes and corrective actions, see the root cause and corrective action analysis dated 10/23/16 attached at the end of this report.	
TOTAL			4			

Ja CMS PERFORMANCE¹					
Date	Start	End	Duration (hours)	Cause	Corrective Action
10/7/16	07:36	13:36	6	Analyzer malfunctioned due to a failed sample system pressure regulator.	Pressure regulator replaced. Analyzer calibrated and returned to service.
7/18/16	13:09	14:09	1	Cylinder Gas Audit.	N/A
11/14/16	21:13		12	Analyzer offline due to an internal leak that emptied the ammonia reagent reservoir.	Valero repaired the leak and refilled the ammonia reagent. Analyzer calibrated and returned to service.
11/15/16		09:13			
11/30/16	10:15	14:15	4	Analyzer offline for preventative maintenance.	N/A
TOTAL			23		

¹In accordance with 40 CFR 60.108a(d)(6), changes made in operation of the emission control system during the period of data unavailability which could affect the ability of the system to meet the applicable emission limit have been compared with operation of the control system and affected facility before and following the period of data unavailability to ensure that any changes made in operation of the emission control system during the period of data unavailability did not affect the ability of the system to meet the applicable emission limit.

**GASEOUS AND OPACITY EXCESS EMISSIONS AND
MONITORING SYSTEMS PERFORMANCE**

(per 40 CFR 60.7(c) and 60.108a(d))

Pollutant: **NO_x**

Applicable NSPS Subpart: Ja

Reporting period dates: From 10/1/16 to 12/31/16

Date submitted: 1/30/17

Company: Valero Refining - Meraux LLC

Address: 2500 East St. Bernard Highway, Meraux, LA 70075

Emission Limitation: Nitrogen Oxide corrected to 0% O₂ shall not exceed 40 ppm on a 30-day rolling average

Monitor Manufacturer and Model No.: Thermo Environmental 42i (NO_x)/(O₂)

Date of Latest CMS Certification or Audit: CGA on 10/22/16 (NO_x), 10/22/16 (O₂)

Process Unit(s) Description: Benzene Recovery Unit Reboiler (EPN 1-09, EQT 0127)

Total source operating time in reporting period: 2,209 hours

Ja EXCESS EMISSIONS						
Date	Start	End	Duration (hours)	Max 30-DRA (ppm)	Cause	Corrective Action
None						
TOTAL			0			

Ja CMS PERFORMANCE ¹					
Date	Start	End	Duration (hours)	Cause	Corrective Action
10/22/16	14:13	15:13	1	NOx and O ₂ Cylinder Gas Audit.	N/A
11/21/16	23:32		34	Analyzer offline due to a malfunction of the dilution probe that completely blocked sample flow to the analyzer.	Valero discovered that contamination was interfering with the dilution eductor and preventing sample flow from reaching the analyzer. Valero cleaned the dilution eductor and re-established sample flow. The analyzer was calibrated and returned to service
11/23/16		09:32			
11/23/16	09:32		31	Out of Control. NOx calibration drift > 4 times the allowable limit on 11/24/16 due to the dilution probe supplying inconsistent sample dilution.	See Data Assessment Report for the Benzene Recovery Unit Reboiler NOx/O ₂ (Page 47)
11/24/16		16:32			
12/9/16	04:45		35	Out of Control. NOx calibration drift > 4 times the allowable limit on 12/10/16 due to the dilution probe supplying inconsistent sample dilution.	See Data Assessment Report for the Benzene Recovery Unit Reboiler NOx/O ₂ (Page 47)
12/10/16		15:45			
TOTAL			101		

¹In accordance with 40 CFR 60.108a(d)(6), changes made in operation of the emission control system during the period of data unavailability which could affect the ability of the system to meet the applicable emission limit have been compared with operation of the control system and affected facility before and following the period of data unavailability to ensure that any changes made in operation of the emission control system during the period of data unavailability did not affect the ability of the system to meet the applicable emission limit.

**GASEOUS AND OPACITY EXCESS EMISSIONS AND
MONITORING SYSTEMS PERFORMANCE**

(per 40 CFR 60.7(c))

Pollutant: **NO_x**

Applicable NSPS Subpart: N/A (Required by Consent Decree: 3:10-cv-00563-bbc, Paragraph 36.a)

Reporting period dates: From 10/1/16 to 12/31/16

Date submitted: 1/30/17

Company: Valero Refining - Meraux LLC

Address: 2500 East St. Bernard Highway, Meraux, LA 70075

Emission Limitation: None

Monitor Manufacturer and Model No.: ABB Limas11(NOx), Magnos27 (O₂)

Date of Latest CMS Certification or Audit: CGA on 11/10/16 (NOx), 11/10/16 (O₂)

Process Unit(s) Description: No.1 Crude Heater (EPN 12-72A, EQT 0022)

Total source operating time in reporting period: 2,209 hours

EXCESS EMISSIONS						
Date	Start	End	Duration (hours)	Max 3-HRA (ppm)	Cause	Corrective Action
None						
TOTAL			0			

CMS PERFORMANCE					
Date	Start	End	Duration (hours)	Cause	Corrective Action
10/28/16	04:30		79	Out of Control due to a failed sample line heat trace relay.	See Data Assessment Report for the No. 1 Crude Heater NOx/O ₂ (Page 48)
10/31/16		11:30			
11/10/16	08:17	09:17	1	NOx and O ₂ Cylinder Gas Audit.	N/A
11/15/16	06:13		26	Out of Control. NOx Calibration drift > 4 times the allowable limit on 11/16/16.	See Data Assessment Report for the No. 1 Crude Heater NOx/O ₂ (Page 48)
11/16/16		08:13			
11/18/16	06:13		30	Out of Control. NOx Calibration drift > 4 times the allowable limit on 11/19/16.	See Data Assessment Report for the No. 1 Crude Heater NOx/O ₂ (Page 48)
11/19/16		12:13			
TOTAL			136		

GASEOUS AND OPACITY EXCESS EMISSIONS AND MONITORING SYSTEMS PERFORMANCE

(per 40 CFR 60.7(c) and 60.108a(d))

Pollutant: **H₂S**

Applicable NSPS Subpart: Ja

Reporting period dates: From 10/1/16 to 12/31/16

Date submitted: 1/30/17

Company: Valero Refining - Meraux LLC

Address: 2500 East St. Bernard Highway, Meraux, LA 70075

Emission Limitation: Hydrogen Sulfide shall not exceed 162 ppm on a 3-hour rolling average.

Monitor Manufacturer and Model No.: Ametek 5100

Date of Latest CMS Certification or Audit: CGA on 12/7/16

Process Unit(s) Description: North Flare Stack (EPN 20-72, EQT 0035), North Flare Header¹

Total source operating time in reporting period: 2,209 hours

Ja EXCESS EMISSIONS						
Date	Start	End	Duration (hours)	Max 3-HRA (ppm)	Cause	Corrective Action
12/4/16	11:59	14:59	3	300	H ₂ S >162 ppm, 3-HRA due to a trip of the Flare Gas Recovery (FGR) Compressor while changing out a PSV in the Hydrocracker Unit. The opening made by removing the PSV allowed a significant portion of the flare header flow to escape to atmosphere. The spill back valve maintaining FGR suction pressure could not respond fast enough to prevent the FGR Compressor from tripping on low suction pressure.	Valero restarted the FGR Compressor and stopped the flaring. Valero will evaluate the tuning of the FGR Spillback valve and the set point for the low suction pressure trip. Valero will also evaluate the PSV removal process to minimize the size of the opening when a PSV is removed.
TOTAL			3			

Ja CMS PERFORMANCE²					
Date	Start	End	Duration (hours)	Cause	Corrective Action
12/7/16	13:00	14:00	1	Cylinder Gas Audit	N/A
TOTAL			1		

¹Due to the physical arrangement of the headers supplying the North Flare Stack (EPN 20-72, EQT 0035), two analyzers are required to measure H₂S concentration of the gas combusted in the North Flare. Conservatively, excess emission on either of these analyzers will be considered excess emissions at the North Flare. However, the CEMS performance will be tracked separately.

²In accordance with 40 CFR 60.108a(d)(6), changes made in operation of the emission control system during the period of data unavailability which could affect the ability of the system to meet the applicable emission limit have been compared with operation of the control system and affected facility before and following the period of data unavailability to ensure that any changes made in operation of the emission control system during the period of data unavailability did not affect the ability of the system to meet the applicable emission limit.

GASEOUS AND OPACITY EXCESS EMISSIONS AND MONITORING SYSTEMS PERFORMANCE

(per 40 CFR 60.7(c) and 60.108a(d))

Pollutant: **H₂S**

Applicable NSPS Subpart: Ja

Reporting period dates: From 10/1/16 to 12/31/16

Date submitted: 1/30/17

Company: Valero Refining - Meraux LLC

Address: 2500 East St. Bernard Highway, Meraux, LA 70075

Emission Limitation: Hydrogen Sulfide shall not exceed 162 ppm on a 3-hour rolling average.

Monitor Manufacturer and Model No.: Ametek 5100

Date of Latest CMS Certification or Audit: CGA on 12/7/16

Process Unit(s) Description: North Flare Stack (EPN 20-72, EQT 0035), Hydrocracker Flare Header¹

Total source operating time in reporting period: 2,209 hours

Ja EXCESS EMISSIONS						
Date	Start	End	Duration (hours)	Max 3-HRA (ppm)	Cause	Corrective Action
12/4/16	12:12	15:12	3	291	H ₂ S >162 ppm, 3-HRA due to a trip of the Flare Gas Recovery (FGR) Compressor while changing out a PSV in the Hydrocracker Unit. The opening made by removing the PSV allowed a significant portion of the flare header flow to escape to atmosphere. The spill back valve maintaining FGR suction pressure could not respond fast enough to prevent the FGR Compressor from tripping on low suction pressure.	Valero restarted the FGR Compressor and stopped the flaring. Valero will evaluate the tuning of the FGR Spillback valve and the set point for the low suction pressure trip. Valero will also evaluate the PSV removal process to minimize the size of the opening when a PSV is removed.
TOTAL			3			

Ja CMS PERFORMANCE²						
Date	Start	End	Duration (hours)	Cause	Corrective Action	
12/7/16	10:31	11:31	1	Cylinder Gas Audit.	N/A	
TOTAL			1			

¹Due to the physical arrangement of the headers supplying the North Flare Stack (EPN 20-72, EQT 0035), two analyzers are required to measure H₂S concentration of the gas combusted in the North Flare. Conservatively, excess emission on either of these analyzers will be considered excess emissions at the North Flare. However, the CEMS performance will be tracked separately.

²In accordance with 40 CFR 60.108a(d)(6), changes made in operation of the emission control system during the period of data unavailability which could affect the ability of the system to meet the applicable emission limit have been compared with operation of the control system and affected facility before and following the period of data unavailability to ensure that any changes made in operation of the emission control system during the period of data unavailability did not affect the ability of the system to meet the applicable emission limit.

**GASEOUS AND OPACITY EXCESS EMISSIONS AND
MONITORING SYSTEMS PERFORMANCE**

(per 40 CFR 60.7(c) and 60.108a(d))

Pollutant: **H₂S**

Applicable NSPS Subpart: Ja

Reporting period dates: From 10/1/16 to 12/31/16

Date submitted: 1/30/17

Company: Valero Refining - Meraux LLC

Address: 2500 East St. Bernard Highway, Meraux, LA 70075

Emission Limitation: Hydrogen Sulfide shall not exceed 162 ppm on a 3-hour rolling average.

Monitor Manufacturer and Model No.: Ametek 5100

Date of Latest CMS Certification or Audit: CGA on 12/7/16

Process Unit(s) Description: South Flare Stack (EPN 3-77, EQT 0049)

Total source operating time in reporting period: 2,209 hours

Ja EXCESS EMISSIONS						
Date	Start	End	Duration (hours)	Max 3-HRA (ppm)	Cause	Corrective Action
None.						
TOTAL			0			

Ja CMS PERFORMANCE ¹					
Date	Start	End	Duration (hours)	Cause	Corrective Action
12/7/16	08:12	09:12	1	Cylinder Gas Audit.	N/A
TOTAL			1		

¹ In accordance with 40 CFR 60.108a(d)(6), changes made in operation of the emission control system during the period of data unavailability which could affect the ability of the system to meet the applicable emission limit have been compared with operation of the control system and affected facility before and following the period of data unavailability to ensure that any changes made in operation of the emission control system during the period of data unavailability did not affect the ability of the system to meet the applicable emission limit.

**GASEOUS AND OPACITY EXCESS EMISSIONS AND
MONITORING SYSTEMS PERFORMANCE**

(per 40 CFR 60.7(c) and 60.108a(d))

Pollutant: **Total Sulfur**

Applicable NSPS Subpart: Ja (Required by Consent Decree: 3:10-cv-00563-bbc, Paragraph 49.a.ii)

Reporting period dates: From 10/1/16 to 12/31/16

Date submitted: 1/30/17

Company: Valero Refining - Meraux LLC

Address: 2500 East St. Bernard Highway, Meraux, LA 70075

Emission Limitation: None

Monitor Manufacturer and Model No.: Thermo Scientific SOLA II

Date of Latest CMS Certification or Audit: CGA on 10/23/16

Process Unit(s) Description: North Flare Stack (EPN 20-72, EQT 0035), North Flare Header

Total source operating time in reporting period: 2,209 hours

Ja CMS PERFORMANCE¹					
Date	Start	End	Duration (hours)	Cause	Corrective Action
10/4/16	10:20	11:20	1	Analyzer shut down while performing electrical system upgrades, a new uninterruptable power supply was installed.	N/A
10/5/16	16:54	17:54	1		
10/7/16	11:47	15:47	4		
10/23/16	14:17	15:17	1	Cylinder Gas Audit.	N/A
11/18/16	10:40	11:40	1	Adjusted for calibration drift.	Calibrated and returned to service.
12/20/16	08:15	09:15	1	Analyzer shutdown to replace injection valve rotor (preventative maintenance).	Calibrated and returned to service.
12/21/16	08:20	09:20	1	Adjusted for calibration drift.	Calibrated and returned to service.
12/25/16	06:52	09:52	3	Analyzer shutdown due to loss of instrument air pressure. A leak had developed and emptied the cylinders supplying instrument air to this and other analyzers.	Valero replaced the air cylinders and closely monitored the air pressure while looking for the location on the leak. Valero located the leak and repaired it. Calibrated and returned to service.
12/25/16	12:00	13:00	1	Adjusted for calibration drift.	Calibrated and returned to service.
TOTAL			14		

¹In accordance with 40 CFR 60.108a(d)(6), changes made in operation of the emission control system during the period of data unavailability which could affect the ability of the system to meet the applicable emission limit have been compared with operation of the control system and affected facility before and following the period of data unavailability to ensure that any changes made in operation of the emission control system during the period of data unavailability did not affect the ability of the system to meet the applicable emission limit.

GASEOUS AND OPACITY EXCESS EMISSIONS AND MONITORING SYSTEMS PERFORMANCE

(per 40 CFR 60.7(c) and 60.108a(d))

Pollutant: **Total Sulfur**

Applicable NSPS Subpart: Ja (Also Required by Consent Decree: 3:10-cv-00563-bbc, Paragraph 49.a.ii)

Reporting period dates: From 10/1/16 to 12/31/16

Date submitted: 1/30/17

Company: Valero Refining - Meraux LLC

Address: 2500 East St. Bernard Highway, Meraux, LA 70075

Emission Limitation: None

Monitor Manufacturer and Model No.: Thermo Scientific SOLA II

Date of Latest CMS Certification or Audit: CGA on 10/23/16

Process Unit(s) Description: North Flare Stack (EPN 20-72, EQT 0035), Hydrocracker Flare Header

Total source operating time in reporting period: 2,209 hours

Ja CMS PERFORMANCE¹					
Date	Start	End	Duration (hours)	Cause	Corrective Action
10/4/16	10:20	11:20	1	Analyzer shut down while performing electrical system upgrades, a new uninterruptable power supply was installed.	N/A
10/5/16	16:54	17:54	1		
10/7/16	11:47	15:47	4		
10/23/16	14:17	15:17	1	Cylinder Gas Audit.	N/A
11/18/16	10:36	11:36	1	Adjusted for calibration drift.	Calibrated and returned to service.
12/20/16	08:15	10:15	2	Analyzer shut down to replace injection valve rotor. (Preventative maintenance.)	Calibrated and returned to service.
12/21/16	08:13	09:13	1	Adjusted for calibration drift.	Calibrated and returned to service.
12/22/16	11:16	14:16	3	Analyzer shutdown to troubleshoot range change functionality. Analyzer was having difficulty shifted from low to high range during the daily calibration checks.	Calibrated and returned to service.
12/25/16	07:20	11:00	7	Analyzer shutdown due to loss of instrument air pressure. A leak had developed and emptied the cylinders supplying instrument air to this and other analyzers.	Valero replaced the air cylinders and closely monitored the air pressure while looking for the location on the leak. Valero located the leak and repaired it. Calibrated and returned to service.
12/27/16	10:16	14:16	4	Analyzer shutdown to troubleshoot range change functionality.	Valero determined that the injection valve rotor replaced on 12/20/16 was not working properly and replaced it with a new rotor. Calibrated and returned to service.
TOTAL			25		

¹In accordance with 40 CFR 60.108a(d)(6), changes made in operation of the emission control system during the period of data unavailability which could affect the ability of the system to meet the applicable emission limit have been compared with operation of the control system and affected facility before and following the period of data unavailability to ensure that any changes made in operation of the emission control system during the period of data unavailability did not affect the ability of the system to meet the applicable emission limit.

GASEOUS AND OPACITY EXCESS EMISSIONS AND MONITORING SYSTEMS PERFORMANCE

(per 40 CFR 60.7(c) and 60.108a(d))

Pollutant: **Total Sulfur**

Applicable NSPS Subpart: Ja (Also Required by Consent Decree: 3:10-cv-00563-bbc, Paragraph 49.a.ii)

Reporting period dates: From 10/1/16 to 12/31/16

Date submitted: 1/30/17

Company: Valero Refining - Meraux LLC

Address: 2500 East St. Bernard Highway, Meraux, LA 70075

Emission Limitation: None

Monitor Manufacturer and Model No.: Thermo Scientific SOLA II

Date of Latest CMS Certification or Audit: CGA on 10/23/16

Process Unit(s) Description: South Flare Stack (EPN 3-77, EQT 0049)

Total source operating time in reporting period: 2,209 hours

Ja CMS PERFORMANCE¹					
Date	Start	End	Duration (hours)	Cause	Corrective Action
10/4/16	10:20	11:20	1	Analyzer shut down while performing electrical system upgrades, a new uninterruptable power supply was installed.	N/A
10/5/16	16:54	17:54	1		
10/7/16	11:47	15:47	4		
10/18/16	10:00	11:00	1	Adjusted for calibration drift.	Calibrated and returned to service.
10/23/16	14:17	15:17	1	Cylinder Gas Audit.	N/A
11/18/16	10:33	11:33	1	Adjusted for calibration drift.	Calibrated and returned to service.
12/20/16	08:15	09:15	1	Analyzer shut down to replace injection valve rotor. (Preventative maintenance.)	Calibrated and returned to service.
12/21/16	08:54	09:54	1	Adjusted for calibration drift.	Calibrated and returned to service.
12/25/16	07:00	13:00	6	Analyzer shutdown due to loss of instrument air pressure. A leak had developed and emptied the cylinders supplying instrument air to this and other analyzers.	Valero replaced the air cylinders and closely monitored the air pressure while looking for the location on the leak. Valero located the leak and repaired it. Calibrated and returned to service.
TOTAL			17		

¹In accordance with 40 CFR 60.108a(d)(6), changes made in operation of the emission control system during the period of data unavailability which could affect the ability of the system to meet the applicable emission limit have been compared with operation of the control system and affected facility before and following the period of data unavailability to ensure that any changes made in operation of the emission control system during the period of data unavailability did not affect the ability of the system to meet the applicable emission limit.

**GASEOUS AND OPACITY EXCESS EMISSIONS AND
MONITORING SYSTEMS PERFORMANCE**

(per 40 CFR 60.7(c) and 60.108a(d))

Pollutant: **Flow**

Applicable NSPS Subpart: Ja (Also Required by Consent Decree: 3:10-cv-00563-bbc, Paragraph 49.a.ii)

Reporting period dates: From 10/1/16 to 12/31/16

Date submitted: 1/30/17

Company: Valero Refining - Meraux LLC

Address: 2500 East St. Bernard Highway, Meraux, LA 70075

Emission Limitation: None

Monitor Manufacturer and Model No.: GE Panametrics GF 868

Date of Latest CMS Certification or Audit: N/A

Process Unit(s) Description: North Flare Stack (EPN 20-72, EQT 0035), North Flare Header

Total source operating time in reporting period: 2,209 hours

Ja CMS PERFORMANCE ¹					
Date	Start	End	Duration (hours)	Cause	Corrective Action
10/4/16	10:20	11:20	1	Analyzer shutdown to replace electrical system uninterruptible power supply.	Returned to service.
TOTAL			1		

¹In accordance with 40 CFR 60.108a(d)(6), changes made in operation of the emission control system during the period of data unavailability which could affect the ability of the system to meet the applicable emission limit have been compared with operation of the control system and affected facility before and following the period of data unavailability to ensure that any changes made in operation of the emission control system during the period of data unavailability did not affect the ability of the system to meet the applicable emission limit.

**GASEOUS AND OPACITY EXCESS EMISSIONS AND
MONITORING SYSTEMS PERFORMANCE**

(per 40 CFR 60.7(c) and 60.108a(d))

Pollutant: **Flow**

Applicable NSPS Subpart: Ja (Also Required by Consent Decree: 3:10-cv-00563-bbc, Paragraph 49.a.ii)

Reporting period dates: From 10/1/16 to 12/31/16

Date submitted: 1/30/17

Company: Valero Refining - Meraux LLC

Address: 2500 East St. Bernard Highway, Meraux, LA 70075

Emission Limitation: None

Monitor Manufacturer and Model No.: GE Panametrics GF 868

Date of Latest CMS Certification or Audit: N/A

Process Unit(s) Description: North Flare Stack (EPN 20-72, EQT 0035), Hydrocracker Flare Header

Total source operating time in reporting period: 2,209 hours

Ja CMS PERFORMANCE ¹					
Date	Start	End	Duration (hours)	Cause	Corrective Action
10/4/16	10:20	11:20	1	Analyzer shutdown to replace electrical system uninterruptible power supply.	Returned to service.
TOTAL			1		

¹In accordance with 40 CFR 60.108a(d)(6), changes made in operation of the emission control system during the period of data unavailability which could affect the ability of the system to meet the applicable emission limit have been compared with operation of the control system and affected facility before and following the period of data unavailability to ensure that any changes made in operation of the emission control system during the period of data unavailability did not affect the ability of the system to meet the applicable emission limit.

**GASEOUS AND OPACITY EXCESS EMISSIONS AND
MONITORING SYSTEMS PERFORMANCE**

(per 40 CFR 60.7(c) and 60.108a(d))

Pollutant: **Flow**

Applicable NSPS Subpart: Ja (Also Required by Consent Decree: 3:10-cv-00563-bbc, Paragraph 49.a.ii)

Reporting period dates: From 10/1/16 to 12/31/16

Date submitted: 1/30/17

Company: Valero Refining - Meraux LLC

Address: 2500 East St. Bernard Highway, Meraux, LA 70075

Emission Limitation: None

Monitor Manufacturer and Model No.: GE Panametrics GF 868

Date of Latest CMS Certification or Audit: N/A

Process Unit(s) Description: South Flare Stack (EPN 3-77, EQT 0049)

Total source operating time in reporting period: 2,209 hours

Ja CMS PERFORMANCE ¹					
Date	Start	End	Duration (hours)	Cause	Corrective Action
10/4/16	10:20	11:20	1	Analyzer shutdown to replace electrical system uninterruptible power supply.	Returned to service.
12/21/16	12:42	14:42	2	Offline for inspection by a manufacturer technician.	Returned to service.
TOTAL			3		

¹In accordance with 40 CFR 60.108a(d)(6), changes made in operation of the emission control system during the period of data unavailability which could affect the ability of the system to meet the applicable emission limit have been compared with operation of the control system and affected facility before and following the period of data unavailability to ensure that any changes made in operation of the emission control system during the period of data unavailability did not affect the ability of the system to meet the applicable emission limit.

DATA ASSESSMENT REPORT

(per 40 CFR 60, Appendix F, Section 7)

Pollutant: **SO₂**

Applicable NSPS Subpart: Ja

Reporting period dates: From 10/1/16 to 12/31/16

Date submitted: 1/30/17

Company: Valero Refining - Meraux LLC

Address: 2500 East St. Bernard Highway, Meraux, LA 70075

Emission Limitation: SO₂ corrected to 0% O₂ shall not exceed 250 ppm on a 12-hour rolling average.

Monitor Manufacturer and Model No.: Brimstone SGX-231(SO₂)/Rosemount Oxymitter 4000(O₂)

Source unit: #2 SRU Incinerator (EPN 1-93, EQT 0019)

CEM Sampling Location: #2 SRU Incinerator (#1-93)

CEM Span Value: Sulfur Dioxide 500 ppm; Oxygen 25%

I. ACCURACY ASSESSMENT RESULTS (CGA):

	SO ₂ #1 (low scale)	SO ₂ #2 (high scale)	O ₂ #1 (low scale)	O ₂ #2 (high scale)
Date of Audit	10/25/16	10/25/16	10/26/16	10/26/16
Audit Gas Cylinder No.	SG9150051BAL	CC125741	CC483689	SG9152263BAL
Date of Audit Gas Cert.	5/27/16	5/27/16	5/23/16	5/23/16
Type of Certification	EPA Protocol 1	EPA Protocol 1	EPA Protocol 1	EPA Protocol 1
Certified Audit Value	124.9 ppmv	274.5 ppmv	5.99 vol %	10.05 vol %
CEM Response Value	119.7 ppmv	276.3 ppmv	6.43 vol %	10.03 vol %
Accuracy	4.2%	0.7%	7.4%	0.2%
Standard	<15%	<15%	<15%	<15%

II. CALIBRATION DRIFT ASSESSMENT

A. Out-of Control Periods:

- Dates: 11/16/16, 07:14 – 11/17/16, 08:14 – 25 hours
- Number of Days 1.0 (25 hours)

- B. Corrective Actions: On 11/17/16, the SO₂ and O₂ spans and zeros were all >4x the Appendix B limits from the calibration gas due to sample line pluggage. Valero rodged out the probe and blew out the sample line to remove the pluggage.

DATA ASSESSMENT REPORT

(per 40 CFR 60, Appendix F, Section 7)

Pollutant: **SO₂**

Applicable NSPS Subpart: Ja

Reporting period dates: From 10/1/16 to 12/31/16

Date submitted: 1/30/17

Company: Valero Refining - Meraux LLC

Address: 2500 East St. Bernard Highway, Meraux, LA 70075

Emission Limitation: SO₂ corrected to 0% O₂ shall not exceed 250 ppm on a 12-hour rolling average.

Monitor Manufacturer and Model No.: Brimstone 991-CEM-X (SO₂), Rosemount Oxymitter 4000 (O₂)

Source unit: #3 SRU Incinerator (EPN 5-00, EQT 0079)

CEM Sampling Location: #3 SRU Incinerator (#5-00)

CEM Span Value: Sulfur Dioxide 500 ppm; Oxygen 25%

I. ACCURACY ASSESSMENT RESULTS (CGA):

	SO ₂ #1 (low scale)	SO ₂ #2 (high scale)	O ₂ #1 (low scale)	O ₂ #2 (high scale)
Date of Audit	10/24/16	10/24/16	10/24/16	10/24/16
Audit Gas Cylinder No.	XC022957B	CC94008	CC483694	EB0063979
Date of Audit Gas Cert.	5/27/16	5/27/16	5/23/16	5/23/16
Type of Certification	EPA Protocol 1	EPA Protocol 1	EPA Protocol 1	EPA Protocol 1
Certified Audit Value	125.3 ppmv	275.3 ppmv	5.99 vol %	10.00 vol %
CEM Response Value	142.7 ppmv	295.3 ppmv	5.87 vol %	10.60 vol %
Accuracy	13.9%	7.3%	1.9%	6.0%
Standard	<15%	<15%	<15%	<15%

II. CALIBRATION DRIFT ASSESSMENT

B. Out-of Control Periods:

3. Dates: N/A

4. Number of Days N/A

C. Corrective Actions: N/A

DATA ASSESSMENT REPORT

(per 40 CFR 60, Appendix F, Section 7)

Pollutant: **H₂S**

Applicable NSPS Subpart: J

Reporting period dates: From 10/1/16 to 12/31/16

Date submitted: 1/30/17

Company: Valero Refining - Meraux LLC

Address: 2500 East St. Bernard Highway, Meraux, LA 70075

Emission Limitation: Hydrogen Sulfide shall not exceed 162 ppm on a 3-hour rolling average.

Monitor Manufacturer and Model No.: Ametek 4661

Source Unit: Area 1 Fuel Drum for Boiler TB-01 (EPN 1-06, EQT 0010)

CEM Sampling Location: Area 1 Fuel Drum

CEM Span Value: Hydrogen Sulfide, 300 ppm

I. ACCURACY ASSESSMENT RESULTS (CGA):

	H ₂ S #1 <u>(low scale)</u>	H ₂ S #2 <u>(high scale)</u>
Date of Audit	10/27/16	10/27/16
Audit Gas Cylinder No.	CC421903	CC111958
Date of Audit Gas Cert.	5/23/16	5/27/16
Type of Certification	EPA Protocol 1	EPA Protocol 1
Certified Audit Value (ppmv)	78.1	171.5
CEM Response Value (ppmv)	75.3	167.3
Accuracy	3.6%	2.4%
Standard	<15%	<15%

II. CALIBRATION DRIFT ASSESSMENT

A. Out-of Control Periods:

1. Dates: N/A

2. Number of Days N/A

B. Corrective Actions: N/A

DATA ASSESSMENT REPORT

(per 40 CFR 60, Appendix F, Section 7)

Pollutant: **H₂S**

Applicable NSPS Subpart: J and Ja (Benzene Recovery Unit Reboiler Subject to Ja)

Reporting period dates: From 10/1/16 to 12/31/16

Date submitted: 1/30/17

Company: Valero Refining - Meraux LLC

Address: 2500 East St. Bernard Highway, Meraux, LA 70075

Emission Limitation: Hydrogen Sulfide shall not exceed 162 ppm on a 3-hour rolling average(J and Ja) and 60 ppm on a 365 day rolling average (Ja only)

Monitor Manufacturer and Model No.: Ametek 4661

Source Unit: Area 2 Fuel Drum for: MDH Product and Fractionator Heaters (EPN 2-92, EQT 0033); No.1 Crude Heater (EPN 12-72A, EQT 022); ROSE Heater (EPN 1-80, EQT 0014); Vacuum Heater (EPN 1-76, EQT 0013); Platformer Charge Heater (EPN 17-72 a,b,c , EQT 0028); Platformer Debut Reboiler (EPN 19-72, EQT 0029); NHT Charge Heater (EPN 14-72, EQT 0023); NHT Debut Reboiler (EPA 15-72, EQT 0024); NHT Depent Reboiler (EPA 16-72, EQT 0027); DHT Charge Heater (EPN 5-73, EQT 0058); Benzene Recovery Unit Reboiler (EPN 1-09, EQT 0127)

CEM Sampling Location: Area 2 Fuel Drum

CEM Span Value: Hydrogen Sulfide, 300 ppm

I. ACCURACY ASSESSMENT RESULTS (CGA):

	H ₂ S #1 (low scale)	H ₂ S #2 (high scale)
Date of Audit	10/25/16	10/25/16
Audit Gas Cylinder No.	EB0062585	CC102915
Date of Audit Gas Cert.	5/23/16	5/31/16
Type of Certification	EPA Protocol 1	EPA Protocol 1
Certified Audit Value (ppmv)	76.7	176.4
CEM Response Value (ppmv)	73.7	172.0
Accuracy	3.9%	2.5%
Standard	<15%	<15%

II. CALIBRATION DRIFT ASSESSMENT

A. Out-of Control Periods:

1. Dates: N/A

2. Number of Days N/A

B. Corrective Actions: N/A

DATA ASSESSMENT REPORT

(per 40 CFR 60, Appendix F, Section 7)

Pollutant: **H₂S**

Applicable NSPS Subpart: J

Reporting period dates: From 10/1/16 to 12/31/16

Date submitted: 1/30/17

Company: Valero Refining - Meraux LLC

Address: 2500 East St. Bernard Highway, Meraux, LA 70075

Emission Limitation: Hydrogen Sulfide shall not exceed 162 ppm on a 3-hour rolling average.

Monitor Manufacturer and Model No.: Ametek 4661

Process Unit(s) Description: Area 4 Fuel Drum for Merox Disulfide Separator to Platformer Charge Heater

CEM Sampling Location: Area 4 Fuel Drum

CEM Span Value: Hydrogen Sulfide, 300 ppm

I. ACCURACY ASSESSMENT RESULTS (CGA):

	H ₂ S #1 <u>(low scale)</u>	H ₂ S #2 <u>(high scale)</u>
Date of Audit	10/26/16	10/26/16
Audit Gas Cylinder No.	CC421903	CC111958
Date of Audit Gas Cert.	5/23/16	5/27/16
Type of Certification	EPA Protocol 1	EPA Protocol 1
Certified Audit Value (ppmv)	78.1	171.5
CEM Response Value (ppmv)	73.7	163.7
Accuracy	5.7%	4.5%
Standard	<15%	<15%

II. CALIBRATION DRIFT ASSESSMENT

A. Out-of Control Periods:

1. Dates: N/A

2. Number of Days N/A

B. Corrective Actions: N/A

DATA ASSESSMENT REPORT

(per 40 CFR 60, Appendix F, Section 7)

Pollutant: **H₂S**

Applicable NSPS Subpart: J

Reporting period dates: From 10/1/16 to 12/31/16

Date submitted: 1/30/17

Company: Valero Refining - Meraux LLC

Address: 2500 East St. Bernard Highway, Meraux, LA 70075

Emission Limitation: Hydrogen Sulfide shall not exceed 162 ppm on a 3-hour rolling average.

Monitor Manufacturer and Model No.: Ametek 4661

Process Unit(s) Description: Area 6 Fuel Drum for Hydrocracker & Hydrotreater Charge Heaters (EPN 1-00, EQT 0009)

CEM Sampling Location: Area 6 Fuel Drum

CEM Span Value: Hydrogen Sulfide, 300 ppm

I. ACCURACY ASSESSMENT RESULTS (CGA):

	H ₂ S #1 <u>(low scale)</u>	H ₂ S #2 <u>(high scale)</u>
Date of Audit	10/26/16	10/26/16
Audit Gas Cylinder No.	CC421903	CC111958
Date of Audit Gas Cert.	5/23/16	5/27/16
Type of Certification	EPA Protocol 1	EPA Protocol 1
Certified Audit Value (ppmv)	78.1	171.5
CEM Response Value (ppmv)	75.0	166.3
Accuracy	4.0%	3.0%
Standard	<15%	<15%

II. CALIBRATION DRIFT ASSESSMENT

A. Out-of Control Periods:

1. Dates: N/A

2. Number of Days N/A

B. Corrective Actions: N/A

DATA ASSESSMENT REPORT

(per 40 CFR 60, Appendix F, Section 7)

Pollutant: **H₂S**

Applicable NSPS Subpart: J

Reporting period dates: From 10/1/16 to 12/31/16

Date submitted: 1/30/17

Company: Valero Refining - Meraux LLC

Address: 2500 East St. Bernard Highway, Meraux, LA 70075

Emission Limitation: Hydrogen Sulfide shall not exceed 162 ppm on a 3-hour rolling average.

Monitor Manufacturer and Model No.: Ametek 4661

Process Unit(s) Description: Area 6 Fuel Drum for Boilers B-5 (EPN 2-00, EQT 0030) and B-6 (EPN 3-00, EQT 0048)

CEM Sampling Location: Area 6 Fuel Drum

CEM Span Value: Hydrogen Sulfide, 300 ppm

I. ACCURACY ASSESSMENT RESULTS (CGA):

	H ₂ S #1 <u>(low scale)</u>	H ₂ S #2 <u>(high scale)</u>
Date of Audit	11/28/16	11/28/16
Audit Gas Cylinder No.	CC421903	CC111958
Date of Audit Gas Cert.	5/23/16	5/27/16
Type of Certification	EPA Protocol 1	EPA Protocol 1
Certified Audit Value (ppmv)	78.1	171.5
CEM Response Value (ppmv)	79.0	168.3
Accuracy	1.1%	1.9%
Standard	<15%	<15%

II. CALIBRATION DRIFT ASSESSMENT

A. Out-of Control Periods:

1. Dates: N/A

2. Number of Days N/A

B. Corrective Actions: N/A

DATA ASSESSMENT REPORT

(per 40 CFR 60, Appendix F, Section 7)

Pollutant: **NO_x**

Applicable NSPS Subpart: Db

Reporting period dates: From 10/1/16 to 12/31/16

Date submitted: 1/30/17

Company: Valero Refining - Meraux LLC

Address: 2500 East St. Bernard Highway, Meraux, LA 70075

Emission Limitation: Nitrogen Oxide shall not exceed 0.1 pound/MMBtu on a 30-day rolling average.

Monitor Manufacturer and Model No.: ABB Limas11(NOx), Magnos27 (O₂)

Process Unit(s) Description: Boiler B-5 (EPN 2-00, EQT 0030)

CEM Sampling Location: Boiler B-5

CEM Span Value: Nitrogen Oxide 100 ppm, Oxygen 25 %

I. ACCURACY ASSESSMENT RESULTS (CGA):

	NO _x #1 (low scale)	NO _x #2 (high scale)	O ₂ #1 (low scale)	O ₂ #2 (high scale)
Date of Audit	10/25/16	10/25/16	10/19/16	10/19/16
Audit Gas Cylinder No.	LL165998	LL64747	LL53418	LL167062
Date of Audit Gas Cert.	2/4/15	5/3/16	1/28/14	1/28/14
Type of Certification	EPA Protocol 1	EPA Protocol 1	EPA Protocol 1	EPA Protocol 1
Certified Audit Value	24.7 ppmv	54.5 ppmv	6.01 vol %	10.01 vol %
CEM Response Value	24.2 ppmv	52.5 ppmv	6.02 vol %	10.03 vol %
Accuracy	2.0%	3.6%	0.2%	0.2%
Standard	<15%	<15%	<15%	<15%

II. CALIBRATION DRIFT ASSESSMENT

A. Out-of Control Periods:

1. Dates: N/A

2. Number of Days N/A

B. Corrective Actions: N/A

DATA ASSESSMENT REPORT

(per 40 CFR 60, Appendix F, Section 7)

Pollutant: **NO_x**

Applicable NSPS Subpart: Db

Reporting period dates: From 10/1/16 to 12/31/16

Date submitted: 1/30/17

Company: Valero Refining - Meraux LLC

Address: 2500 East St. Bernard Highway, Meraux, LA 70075

Emission Limitation: Nitrogen Oxide shall not exceed 0.1 pound/MMBtu on a 30-day rolling average.

Monitor Manufacturer and Model No.: ABB Limas11(NOx), Magnos27 (O₂)

Process Unit(s) Description: Boiler B-6 (EPN 3-00, EQT 0048)

CEM Sampling Location: Boiler B-6

CEM Span Value: Nitrogen Oxide 100 ppm, Oxygen 25 %

I. ACCURACY ASSESSMENT RESULTS (CGA):

	NOx #1 (low scale)	NOx #2 (high scale)	O ₂ #1 (low scale)	O ₂ #2 (high scale)
Date of Audit	10/25/16	10/25/16	10/19/16	10/19/16
Audit Gas Cylinder No.	LL165998	LL64747	LL53418	LL167062
Date of Audit Gas Cert.	2/4/15	5/3/16	1/28/14	1/28/14
Type of Certification	EPA Protocol 1	EPA Protocol 1	EPA Protocol 1	EPA Protocol 1
Certified Audit Value	24.7 ppmv	54.5 ppmv	6.01 vol %	10.01 vol %
CEM Response Value	28.3 ppmv	56.5 ppmv	6.05 vol %	10.09 vol %
Accuracy	14.6%	3.7%	0.7%	0.8%
Standard	<15%	<15%	<15%	<15%

II. CALIBRATION DRIFT ASSESSMENT

A. Out-of Control Periods:

1. Dates: N/A

2. Number of Days N/A

B. Corrective Actions: N/A

DATA ASSESSMENT REPORT

(per 40 CFR 60, Appendix F, Section 7)

Pollutant: **NO_x**

Applicable NSPS Subpart: Db

Reporting period dates: From 10/1/16 to 12/31/16

Date submitted: 1/30/17

Company: Valero Refining - Meraux LLC

Address: 2500 East St. Bernard Highway, Meraux, LA 70075

Emission Limitation: Nitrogen Oxide shall not exceed 0.1 pound/MMBtu on a 30-day rolling average.

Monitor Manufacturer and Model No.: Thermo Environmental Model 42i (NO_x)/(O₂)

Process Unit(s) Description: Boiler TB-01 (EPN 1-06, EQT 0010)

CEM Sampling Location: Boiler TB-01

CEM Span Value: Nitrogen Oxide 500 ppm, Oxygen 25 %

I. ACCURACY ASSESSMENT RESULTS (CGA):

	NO _x #1 (low scale)	NO _x #2 (high scale)	O ₂ #1 (low scale)	O ₂ #2 (high scale)
Date of Audit	10/28/16	10/28/16	10/19/16	10/19/16
Audit Gas Cylinder No.	SG9167966	CC89303	LL269	LL168197
Date of Audit Gas Cert.	5/31/16	2/11/14	4/26/16	4/25/16
Type of Certification	EPA Protocol 1	EPA Protocol 1	EPA Protocol 1	EPA Protocol 1
Certified Audit Value	126.9 ppmv	270.5 ppmv	6.00 vol %	10.10 vol %
CEM Response Value	126.2 ppmv	264.0 ppmv	5.50 vol %	9.17 vol %
Accuracy	0.6%	2.4%	8.3%	9.2%
Standard	<15%	<15%	<15%	<15%

II. CALIBRATION DRIFT ASSESSMENT

A. Out-of Control Periods:

1. Dates: 11/4/16, 10:40 – 11/8/16, 13:40 – 99 hours
2. Number of Days 4.1 (99 hours)

- B. Corrective Actions: On 11/5/16, the O₂ span was >4x the Appendix B limit due to a failed O₂ cell. Valero replaced the O₂ cell from the spare parts inventory, but this new O₂ cell was bad and was unable to pass calibration drift checks on 11/6, 11/7, and 11/8. Valero rush ordered a replacement O₂ cell and installed it on 11/8/16.

DATA ASSESSMENT REPORT

(per 40 CFR 60, Appendix F, Section 7)

Pollutant: **NO_x**

Applicable NSPS Subpart: Ja

Reporting period dates: From 10/1/16 to 12/31/16

Date submitted: 1/30/17

Company: Valero Refining - Meraux LLC

Address: 2500 East St. Bernard Highway, Meraux, LA 70075

Emission Limitation: Nitrogen Oxide corrected to 0% O₂ shall not exceed 40 ppm on a 30-day rolling average

Monitor Manufacturer and Model No.: Thermo Environmental Model 42i (NO_x)/(O₂)

Process Unit(s) Description: Benzene Recovery Unit Reboiler (EPN 1-09, EQT 0127)

CEM Sampling Location: Benzene Recovery Unit Reboiler

CEM Span Value: Nitrogen Oxide 100 ppm, Oxygen 25 %

I. ACCURACY ASSESSMENT RESULTS (CGA):

<u>CGA</u>	<u>NO_x #1</u> <u>(low scale)</u>	<u>NO_x #2</u> <u>(high scale)</u>	<u>O₂ #1</u> <u>(low scale)</u>	<u>O₂ #2</u> <u>(high scale)</u>
Date of Audit	10/22/16	10/22/16	10/22/16	10/22/16
Audit Gas Cylinder No.	CC430476	CC307733	CC483658	CC87078
Date of Audit Gas Cert.	6/2/16	6/2/16	5/23/16	5/23/16
Type of Certification	EPA Protocol 1	EPA Protocol 1	EPA Protocol 1	EPA Protocol 1
Certified Audit Value	25.0 ppmv	55.8 ppmv	5.96 vol %	9.94 vol %
CEM Response Value	26.3 ppmv	58.4 ppmv	5.73 vol %	9.60 vol %
Accuracy	5.3%	4.7%	3.9%	3.4%
Standard	<15%	<15%	<15%	<15%

II. CALIBRATION DRIFT ASSESSMENT

A. Out-of Control Periods:

- Dates: 11/23/16, 09:32 – 11/24/16, 16:32 – 31 hours
12/9/16, 04:45 – 12/10/16, 15:45 – 35 hours

- Number of Days 2.3 (66 hours)

- B. Corrective Actions: On 11/24/16, the NO_x span value was greater than 4x the Appendix B limit above the reference gas value due to contamination of the dilution eductor that affected the dilution ratio. This was a repeat problem that took the analyzer completely offline on 11/21/16 to 11/23/16. Valero again blew out the dilution eductor and calibrated the analyzer.

On 12/10/16, the NO_x span value was again greater than 4x the Appendix B limit above the reference gas value due to contamination of the dilution eductor. Valero replaced the entire dilution eductor body and critical orifice that controls the dilution ratio and then calibrated the analyzer.

DATA ASSESSMENT REPORT

(per 40 CFR 60, Appendix F, Section 7)

Pollutant: **NO_x**

Applicable NSPS Subpart: N/A (Required by Consent Decree: 3:10-cv-00563-bbc, Paragraph 36.a)

Reporting period dates: From 10/1/16 to 12/31/16

Date submitted: 1/30/17

Company: Valero Refining - Meraux LLC

Address: 2500 East St. Bernard Highway, Meraux, LA 70075

Emission Limitation: Nitrogen Oxide corrected to 0% O₂ shall not exceed 40 ppm on a 30-day rolling average

Monitor Manufacturer and Model No.: Thermo Environmental Model 42i (NO_x)/(O₂)

Process Unit(s) Description: No.1 Crude Heater (EPN 12-72A, EQT 0022)

CEM Sampling Location: No.1 Crude Heater

CEM Span Value: Nitrogen Oxide 100 ppm, Oxygen 25 %

I. ACCURACY ASSESSMENT RESULTS (CGA):

<u>CGA</u>	<u>NO_x #1</u> <u>(low scale)</u>	<u>NO_x #2</u> <u>(high scale)</u>	<u>O₂ #1</u> <u>(low scale)</u>	<u>O₂ #2</u> <u>(high scale)</u>
Date of Audit	11/10/16	11/10/16	11/10/16	11/10/16
Audit Gas Cylinder No.	LL178685	CC319153	CC483658	CC222165
Date of Audit Gas Cert.	5/2/16	6/2/16	5/23/16	5/23/16
Type of Certification	EPA Protocol 1	EPA Protocol 1	EPA Protocol 1	EPA Protocol 1
Certified Audit Value	24.7 ppmv	55.4 ppmv	5.99 vol %	9.96 vol %
CEM Response Value	24.6 ppmv	56.6 ppmv	6.04 vol %	10.03 vol %
Accuracy	0.1%	2.2%	0.7%	0.7%
Standard	<15%	<15%	<15%	<15%

II. CALIBRATION DRIFT ASSESSMENT

A. Out-of Control Periods:

3. Dates: 10/28/16, 07:14 – 10/31/16, 08:14 – 79 hours
11/15/16, 06:13 – 11/16/16, 08:13 – 26 hours
11/20/16, 06:13 – 11/21/16, 12:13 – 30 hours

4. Number of Days 5.6 (135 hours)

B. Corrective Actions: On 10/19/16, Valero discovered that the sample line heat trace temperature relay had failed and the analyzer could not meet the daily calibration check requirements of Appendix B. Valero did not have a replacement relay in the spare parts inventory maintained on site. Valero rush ordered the replacement relay, and installed it on 10/31/16. On 11/16/16, both the NO_x and O₂ zero and span values were greater than 4x the Appendix B limits due to liquids in the sample system. Valero blew out the liquids and adjusted the sample system flow rates and pressures. On 11/18/16, the O₂ span value was greater than 4x the Appendix B limit below the reference gas due to low sample flow. Valero rebuilt the sample pump, which was likely damaged by the liquids in the 11/16/16 event.

DATA ASSESSMENT REPORT

(per 40 CFR 60, Appendix F, Section 7)

Pollutant: **H₂S**

Applicable NSPS Subpart: Ja

Reporting period dates: From 10/1/16 to 12/31/16

Date submitted: 1/30/17

Company: Valero Refining - Meraux LLC

Address: 2500 East St. Bernard Highway, Meraux, LA 70075

Emission Limitation: Hydrogen Sulfide shall not exceed 162 ppm on a 3-hour rolling average.

Monitor Manufacturer and Model No.: Ametek 5100

Process Unit(s) Description: North Flare Stack (EPN 20-72, EQT 0035), North Flare Header

CEM Sampling Location: North Flare Stack, North Flare Header (Y-AT-801)

CEM Span Value: H₂S, 0-300 ppm

I. ACCURACY ASSESSMENT RESULTS (CGA):

	H₂S #1	H₂S #2
	<u>(low scale)</u>	<u>(high scale)</u>
Date of Audit	12/7/16	12/7/16
Audit Gas Cylinder No.	CC441826	CC288207
Date of Audit Gas Cert.	10/3/16	10/4/16
Type of Certification	EPA Protocol 1	EPA Protocol 1
Certified Audit Value	79.1 ppmv	177.3 ppmv
CEM Response Value	79.0 ppmv	176.3 ppmv
Accuracy	0.1%	0.6%
Standard	<15%	<15%

II. CALIBRATION DRIFT ASSESSMENT

A. Out-of Control Periods:

1. Dates: N/A

2. Number of Days N/A

B. Corrective Actions: N/A

DATA ASSESSMENT REPORT

(per 40 CFR 60, Appendix F, Section 7)

Pollutant: **H₂S**

Applicable NSPS Subpart: Ja

Reporting period dates: From 10/1/16 to 12/31/16

Date submitted: 1/30/17

Company: Valero Refining - Meraux LLC

Address: 2500 East St. Bernard Highway, Meraux, LA 70075

Emission Limitation: Hydrogen Sulfide shall not exceed 162 ppm on a 3-hour rolling average.

Monitor Manufacturer and Model No.: Ametek 5100

Process Unit(s) Description: North Flare Stack (EPN 20-72, EQT 0035), Hydrocracker Flare Header

CEM Sampling Location: North Flare Stack, Hydrocracker Flare Header (Y-AT-800)

CEM Span Value: H₂S, 0-300 ppm

I. ACCURACY ASSESSMENT RESULTS (CGA):

	H ₂ S #1 (low scale)	H ₂ S #2 (high scale)
Date of Audit	12/7/16	12/7/16
Audit Gas Cylinder No.	CC441826	CC288207
Date of Audit Gas Cert.	10/3/16	10/4/16
Type of Certification	EPA Protocol 1	EPA Protocol 1
Certified Audit Value (ppmv)	79.1 ppmv	177.3 ppmv
CEM Response Value (ppmv)	71.3 ppmv	170.3 ppmv
Accuracy	9.9%	3.9%
Standard	<15%	<15%

II. CALIBRATION DRIFT ASSESSMENT

A. Out-of Control Periods:

1. Dates: N/A

2. Number of Days N/A

B. Corrective Actions: N/A

DATA ASSESSMENT REPORT

(per 40 CFR 60, Appendix F, Section 7)

Pollutant: **H₂S**

Applicable NSPS Subpart: Ja

Reporting period dates: From 10/1/16 to 12/31/16

Date submitted: 1/30/17

Company: Valero Refining - Meraux LLC

Address: 2500 East St. Bernard Highway, Meraux, LA 70075

Emission Limitation: Hydrogen Sulfide shall not exceed 162 ppm on a 3-hour rolling average.

Monitor Manufacturer and Model No.: Ametek 5100

Process Unit(s) Description: South Flare Stack (EPN 3-77, EQT 0049)

CEM Sampling Location: South Flare Stack (Y-AT-802)

CEM Span Value: H₂S, 0-300 ppm

I. ACCURACY ASSESSMENT RESULTS (CGA):

	H ₂ S #1 (low scale)	H ₂ S #2 (high scale)
Date of Audit	12/7/16	12/7/16
Audit Gas Cylinder No.	CC441826	CC288207
Date of Audit Gas Cert.	10/3/16	10/4/16
Type of Certification	EPA Protocol 1	EPA Protocol 1
Certified Audit Value	79.1 ppmv	177.3 ppmv
CEM Response Value	85.0 ppmv	185.3 ppmv
Accuracy	7.5%	4.5%
Standard	<15%	<15%

II. CALIBRATION DRIFT ASSESSMENT

A. Out-of Control Periods:

1. Dates: N/A

2. Number of Days N/A

B. Corrective Actions: N/A

DATA ASSESSMENT REPORT

(per 40 CFR 60, Appendix F, Section 7)

Pollutant: **Total Sulfur**

Applicable NSPS Subpart: Ja (Required by Consent Decree: 3:10-cv-00563-bbc, Paragraph 49.a.ii)

Reporting period dates: From 10/1/16 to 12/31/16

Date submitted: 1/30/17

Company: Valero Refining - Meraux LLC

Address: 2500 East St. Bernard Highway, Meraux, LA 70075

Emission Limitation: None

Monitor Manufacturer and Model No.: Thermo Scientific SOLA II

Process Unit(s) Description: North Flare Stack (EPN 20-72, EQT 0035), North Flare Header

CEM Sampling Location: North Flare Stack, North Flare Header (Y-AT-303)

CEM Span Value: Total Sulfur, Dual Range: 0-10,000 ppm, 10,000-1,000,000 ppm

I. ACCURACY ASSESSMENT RESULTS (CGA):

	H ₂ S #1 (low scale)	H ₂ S #2 (high scale)
Date of Audit	10/23/16	10/23/16
Audit Gas Cylinder No.	CC305316	CC282538
Date of Audit Gas Cert.	5/27/16	7/25/16
Type of Certification	EPA Protocol 1	Certified Gas
Certified Audit Value	1013.0 ppmv	10010.0 ppmv
CEM Response Value	1049.7 ppmv	10403.7 ppmv
Accuracy	3.6%	3.9%
Standard	<15%	<15%

¹ Valero unable to obtain EPA Protocol 1 certified gases greater than 1000 ppm.

II. CALIBRATION DRIFT ASSESSMENT

A. Out-of Control Periods:

1. Dates: N/A

2. Number of Days N/A

B. Corrective Actions: N/A

DATA ASSESSMENT REPORT

(per 40 CFR 60, Appendix F, Section 7)

Pollutant: **Total Sulfur**

Applicable NSPS Subpart: Ja (Required by Consent Decree: 3:10-cv-00563-bbc, Paragraph 49.a.ii)

Reporting period dates: From 10/1/16 to 12/31/16

Date submitted: 1/30/17

Company: Valero Refining - Meraux LLC

Address: 2500 East St. Bernard Highway, Meraux, LA 70075

Emission Limitation: None

Monitor Manufacturer and Model No.: Thermo Scientific SOLA II

Process Unit(s) Description: North Flare Stack (EPN 20-72, EQT 0035), Hydrocracker Flare Header

CEM Sampling Location: North Flare Stack, Hydrocracker Flare Header (Y-AT-302)

CEM Span Value: Total Sulfur, Dual Range: 0-10,000 ppm, 10,000-1,000,000 ppm

I. ACCURACY ASSESSMENT RESULTS (CGA):

	H ₂ S #1 (low scale)	H ₂ S #2 (high scale)
Date of Audit	10/23/16	10/23/16
Audit Gas Cylinder No.	CC305316	CC282538
Date of Audit Gas Cert.	5/27/16	7/25/16
Type of Certification	EPA Protocol 1	Certified Gas
Certified Audit Value	1013.0 ppmv	10010.0 ppmv
CEM Response Value	997.0 ppmv	9943.0 ppmv
Accuracy	1.6%	0.7%
Standard	<15%	<15%

¹ Valero unable to obtain EPA Protocol 1 certified gases greater than 1000 ppm.

II. CALIBRATION DRIFT ASSESSMENT

A. Out-of Control Periods:

1. Dates: N/A

2. Number of Days N/A

B. Corrective Actions: N/A

DATA ASSESSMENT REPORT

(per 40 CFR 60, Appendix F, Section 7)

Pollutant: **Total Sulfur**

Applicable NSPS Subpart: Ja (Required by Consent Decree: 3:10-cv-00563-bbc, Paragraph 49.a.ii)

Reporting period dates: From 10/1/16 to 12/31/16

Date submitted: 1/30/17

Company: Valero Refining - Meraux LLC

Address: 2500 East St. Bernard Highway, Meraux, LA 70075

Emission Limitation: None

Monitor Manufacturer and Model No.: Thermo Scientific SOLA II

Process Unit(s) Description: South Flare Stack (EPN 3-77, EQT 0049)

CEM Sampling Location: South Flare Stack (Y-AT-304)

CEM Span Value: Total Sulfur, Dual Range: 0-10,000 ppm, 10,000-1,000,000 ppm

I. ACCURACY ASSESSMENT RESULTS (CGA):

	H ₂ S #1 (low scale)	H ₂ S #2 (high scale)
Date of Audit	10/23/16	10/23/16
Audit Gas Cylinder No.	CC305316	CC282538
Date of Audit Gas Cert.	5/27/16	7/25/16
Type of Certification	EPA Protocol 1	Certified Gas
Certified Audit Value	1013.0 ppmv	10010.0 ppmv
CEM Response Value	1001.0 ppmv	10116.0 ppmv
Accuracy	1.2%	1.1%
Standard	<15%	<15%

¹ Valero unable to obtain EPA Protocol 1 certified gases greater than 1000 ppm.

II. CALIBRATION DRIFT ASSESSMENT

A. Out-of Control Periods:

1. Dates: N/A

2. Number of Days N/A

B. Corrective Actions: N/A

Appendix A

Ja Root Cause and Corrective Action Analysis

Subpart Ja Root Cause / Corrective Action AnalysisImpact Incident Number: **168734**

The information contained below satisfies the requirements of the NSPS Subpart Ja 60.108a(c)(6).

Report:	<u>Final</u>	
Refinery:	<u>Valero (Meraux)</u>	
Incident Type:	<u>SO₂</u>	Date of Event: <u>5/25/16</u>
Emissions Source(s):	<u>#3 SRU Incinerator (EPN 5-00, EQT 0079)</u>	Date Analysis Completed: <u>7/7/16</u>

(1.) (60.108a(c)(6)(i))

A description of the Discharge:

On 5/25/17 at 15:48 the #3 Tail Gas Treater experienced a loss of amine circulation due to an external leak on heat exchanger TB-E-004A and a plugged inlet screen on TB-E-004B. The loss of amine circulation caused excess emissions at the #3 SRU Incinerator.

(2.) (60.108a(c)(6)(ii)) and (60.108a(c)(6)(ix))

Date and Time the discharge was first identified	<u>5/25/16 2:25</u>
Date/Time the discharge had ceased	<u>5/25/16 8:50</u>
Duration of Discharge (Calculated)	<u>6.4</u> hrs

(3.) (60.108a(c)(6)(viii))

The steps taken to limit the emissions during the discharge:

Valero reduced unit charge rates to limit emissions from the #3 SRU Incinerator, cleaned the lean amine inlet screen on TB-E-004A, and restored the #3 TGT to normal operation.

(4.) (60.108a(c)(6)(ix))

Root Cause Analysis: Describe in detail the Root Cause(s) of the Incident, to the extent determinable:

Did this discharge result from root causes identified in a previous analysis? No (Yes/No)

Iron Sulfide deposits in the lean amine inlet screen for TB-E-004B due to asymmetrical piping.

Contributing Factors:

- 1) Inlet screens were not cleaned or inspected on a routine basis.*
- 2) Spare exchanger was not ready for service.*

(5.) (60.108a(c)(6)(ix))

Corrective Action Analysis: Include a description of the recommended corrective action(s) or an explanation of why corrective action is

Is corrective action required? Yes (Yes/No)

- 1) Evaluate options for maintaining the lean and rich amine inlet screens on TB-E-004A/B, such as adding dP indicators or implementing a PM to clean the screens at a set interval.*
- 2) Use TB-E-004B as the preferred exchanger so that potential fouling of the lean amine inlet is not masked.*
- 3) Evaluate asymmetrical inlet piping for TB-E-004.*
- 4) Review incident with all 4 Shift Teams and the importance of communicating abnormal conditions.*

(6.)

(60.108a(c)(6)(x))

Corrective Action Schedule: Include corrective actions already completed within the first 45 days following the discharge. For those not completed, provide a schedule for implementation, including proposed commencement and completion dates.

1) *Evaluate options for maintaining the lean and rich amine inlet screens on TB-E-004A/B, such as adding dP indicators or implementing a PM to clean the screens at a set interval.*

Commencement Date: 7/7/16

Completed Date: 11/29/16

2) *Use TB-E-004B as the preferred exchanger so that potential fouling of the lean amine inlet is not masked.*

Commencement Date: 7/7/16

Completed Date: 9/20/16

3) *Evaluate asymmetrical inlet piping for TB-E-004.*

Commencement Date: 7/7/16

Completed Date: 9/26/16

4) *Review incident with all 4 Shift Teams and the importance of communicating abnormal conditions.*

Commencement Date: 7/7/16

Completed Date: 8/29/16

(7.)

The measured or calculated cumulative quantity of gas discharged over the discharge duration.

(60.108a(c)(6)(iii))		(60.108a(c)(6)(vi))	(60.108a(c)(6)(vii))	(60.108a(c)(6)(vii))	
First hour of 24-hr Period	Last hour of 24-hr Period	24-hr cumulative volume	SO ₂ ppm	24-hr cumulative SO ₂ ²	24-hr cumulative reduced sulfur
			(24-hr average, flow-weighted) ¹		
		SCF	ppmv	lbs	lbs as H2S
5/24/2016 2:00	5/25/2016 1:00	30,201,045	49	223.1	1.2
5/24/2016 3:00	5/25/2016 2:00	30,162,456	73	326.2	1.8
5/24/2016 4:00	5/25/2016 3:00	30,121,835	118	519.2	2.8
5/24/2016 5:00	5/25/2016 4:00	30,053,227	163	711.3	3.8
5/24/2016 6:00	5/25/2016 5:00	29,945,684	207	901.0	4.8
5/24/2016 7:00	5/25/2016 6:00	29,805,611	252	1084.5	5.8
5/24/2016 8:00	5/25/2016 7:00	30,757,603	296	1284.5	6.9
5/24/2016 9:00	5/25/2016 8:00	30,601,499	308	1328.6	7.1
5/24/2016 10:00	5/25/2016 9:00	30,401,758	308	1328.7	7.1
5/24/2016 11:00	5/25/2016 10:00	30,213,523	311	1337.2	7.2
5/24/2016 12:00	5/25/2016 11:00	30,034,901	310	1333.9	7.2
5/24/2016 13:00	5/25/2016 12:00	29,858,370	309	1329.8	7.1
5/24/2016 14:00	5/25/2016 13:00	29,700,414	309	1325.6	7.1
5/24/2016 15:00	5/25/2016 14:00	29,577,409	308	1321.3	7.1
5/24/2016 16:00	5/25/2016 15:00	29,483,368	307	1317.4	7.1
5/24/2016 17:00	5/25/2016 16:00	29,412,701	306	1313.0	7.1
5/24/2016 18:00	5/25/2016 17:00	29,386,281	305	1309.4	7.0
5/24/2016 19:00	5/25/2016 18:00	29,355,924	304	1305.2	7.0
5/24/2016 20:00	5/25/2016 19:00	29,334,153	304	1301.1	7.0
5/24/2016 21:00	5/25/2016 20:00	29,349,041	303	1297.7	7.0
5/24/2016 22:00	5/25/2016 21:00	29,356,984	302	1294.3	7.0
5/24/2016 23:00	5/25/2016 22:00	29,390,722	301	1290.9	6.9
5/25/2016 0:00	5/25/2016 23:00	29,428,201	300	1287.7	6.9
5/25/2016 1:00	5/26/2016 0:00	29,484,013	300	1284.5	6.9
5/25/2016 2:00	5/26/2016 1:00	29,547,761	299	1281.6	6.9
5/25/2016 3:00	5/26/2016 2:00	29,642,934	274	1176.9	6.3
5/25/2016 4:00	5/26/2016 3:00	29,783,240	229	982.6	5.3
5/25/2016 5:00	5/26/2016 4:00	29,861,595	184	787.2	4.2
5/25/2016 6:00	5/26/2016 5:00	29,901,444	138	592.8	3.2
5/25/2016 7:00	5/26/2016 6:00	29,954,499	92	405.0	2.2

¹ SRU SO₂ CEMS are spanned to 500 ppm. For emissions calculations, Valero assumes 2 times the span, 1000 ppm, for CEMS readings >= 500 ppm.

² Tail Gas Treater bypass emissions are calculated using a mass balance method, not using the flow and concentration values listed here.

Subpart Ja Root Cause / Corrective Action AnalysisImpact Incident Number: **172271 / 172270**

The information contained below satisfies the requirements of the NSPS Subpart Ja 60.108a(c)(6).

Report:	<u>Update</u>	
Refinery:	<u>Valero (Meraux)</u>	
Incident Type:	<u>Flaring (Flow and SO2), #3 SRU (SO2)</u>	Date of Event: <u>8/27/16</u>
Emissions Source(s):	<u>North Flare (EPN 20-72, EQT 0035)</u>	Date Analysis Completed: <u>9/22/16</u>
	<u>#3 SRU Incinerator (EPN 5-00, EQT 0079)</u>	

(1.) (60.108a(c)(6)(i))

A description of the Discharge:

At approximately 15:00 on 8/27/16, the Distributed Control System (DCS) for the #3 SRU complex lost power and caused an automatic shutdown of the #3 SRU. Excess emissions occurred at the #2 SRU, the #3 SRU, the North Flare, and multiple heaters and boilers. The #2 SRU lost the #2 TGT from the resulting process swing, but emissions from the #2 SRU were less than 500 lbs/24 hours above the allowable limit. The #3 SRU had SO2 emissions >500 lbs/24 hours while restarting the unit which was delayed due to fouled inlet screen on a plate and frame heat exchanger in the #2 Amine Unit. The heaters and boilers were combusting fuel gas with elevated levels of H2S due to the loss of the #3 SRU complex, but no Ja heater had SO2 emissions >500 lbs/24 hours. Additionally, the Rich Amine Flash Drum on the Hydrocracker Unit over-pressured and lifted the PSV to the North Flare. This resulted in SO2 emissions from flaring to exceed 500 lbs in a 24 hour period and flow greater than 500,000 scf above baseline in a 24 hour period.

Valero personnel were working in the rear of the DCS power cabinet and taking measurements on the #3 SRU DCS at the time as part of the installation of a new DCS system.

(2.) (60.108a(c)(6)(ii)) and (60.108a(c)(6)(ix))

	North Flare	#3 SRU
Date and Time the discharge was first identified	<u>8/27/16 15:06</u>	<u>8/27/16 18:11</u>
Date/Time the discharge had ceased	<u>8/28/16 12:10</u>	<u>8/28/16 8:15</u>
Duration of Discharge (Calculated)	<u>21.1</u>	<u>14.1</u> hrs

(3.) (60.108a(c)(6)(viii))

The steps taken to limit the emissions during the discharge:

Valero initiated its refinery sulfur shedding procedure and followed its Flare Minimization Plan and Operations Procedures to minimize the volume of this discharge. Once Valero identified the Rich Amine Flash Drum as the source of the flare SO2 emissions, the Drum was manually isolated.

(4.) (60.108a(c)(6)(xi))

Necessity of RC/CAA: Determine and state whether a RC/CAA is necessary:

Note: If the discharge was a result of a planned startup or shutdown, a RC/CAA analysis is not required if the flare management plan was followed.

Did the discharge result from a planned startup or shutdown?	<u>No</u>	(Yes/No)
Was the flare management plan followed?	<u>Yes</u>	(Yes/No/N/A)
Is the event exempt from a RC/CCA based on the answers above?	<u>No</u>	(Yes/No)

- If yes, skip section 5-7.

(5.) (60.108a(c)(6)(ix))

Root Cause Analysis: Describe in detail the Root Cause(s) of the Incident, to the extent determinable:

Did this discharge result from root causes identified in a previous analysis? No (Yes/No)

1) Improper installation of the original DCS system. A loose wire termination caused the loss of power when personnel were working in the rear of the DCS power cabinet. (The equipment involved in this incident will be replaced with the new DCS system.)

Contributing Factors

1) The level control valve between the Recycle Gas Scrubber and the Rich Amine Flash Drum did not seal completely and allowed rich amine to leak out of the Recycle Gas Scrubber and overpressure the Rich Amine Flash Drum.

2) The recovery of the #3 SRU was delayed due to a fouled inlet screen on a plate and frame heat exchanger in the #2 Amine Unit.

(6.)
(60.108a(c)(6)(ix))

Corrective Action Analysis: Include a description of the recommended corrective action(s) or an explanation of why corrective action is not

Is corrective action required? Yes (Yes/No)

1) Verify that the redundant power supply has been properly installed on the remaining original DCS equipment.

2) Develop a Hydrocracker Unit Loss of Amine procedure to include manually isolating the Rich Amine Flash Drum from Recycle Gas Scrubber.

3) Evaluate installing differential pressure monitoring to indicate fouling of the inlet screen to the plate exchanger.

(7.)
(60.108a(c)(6)(x))

Corrective Action Schedule: Include corrective actions already completed within the first 45 days following the discharge. For those not completed, provide a schedule for implementation, including proposed commencement and completion dates.

1) Verify that the redundant power supply has been properly installed on the remaining original DCS equipment.
Commencement Date: 9/22/16
Completed: 10/24/16

2) Develop a Hydrocracker Unit Loss of Amine procedure to include manually isolating the Rich Amine Flash Drum from Recycle Gas Scrubber.
Commencement Date: 9/22/16
Completed: 11/1/16

3) Evaluate installing differential pressure monitoring to indicate fouling of the inlet screen to the plate exchanger.
Commencement Date: 9/22/16
Estimated Completion Date: 3/31/17

(8.) North Flare

The measured or calculated cumulative quantity of gas discharged over the discharge duration.

Note: Measured sulfur concentrations are shown as flow-weighted averages if multiple measurement devices were used.

		(60.108a(c)(6)(iii))	(60.108a(c)(6)(iv))	(60.108a(c)(6)(vii))	(60.108a(c)(6)(vii))
First hour of 24-hr Period	Last hour of 24-hr Period	24-hr cumulative volume of flared gas above Baseline	TRS or H2S ppm (24-hr average, flow-weighted)	24-hr cumulative SO2	24-hr cumulative reduced sulfur
		SCF	ppmv	lbs	lbs as H2S
8/26/2016 15:00	8/27/2016 14:00	0	0	0	0
8/26/2016 16:00	8/27/2016 15:00	828,035	639	2090.4	11.2
8/26/2016 17:00	8/27/2016 16:00	1,758,230	1559	5473.0	29.4
8/26/2016 18:00	8/27/2016 17:00	2,778,600	2389	8820.4	47.4
8/26/2016 19:00	8/27/2016 18:00	3,751,297	3180	11864.7	63.8
8/26/2016 20:00	8/27/2016 19:00	4,680,576	3971	14768.6	79.4
8/26/2016 21:00	8/27/2016 20:00	4,910,444	5043	15742.3	84.6
8/26/2016 22:00	8/27/2016 21:00	4,910,444	5043	15742.3	84.6
8/26/2016 23:00	8/27/2016 22:00	4,946,570	5466	15802.8	84.9
8/27/2016 0:00	8/27/2016 23:00	5,001,886	7557	16260.0	87.4
8/27/2016 1:00	8/28/2016 0:00	5,001,886	7557	16260.0	87.4
8/27/2016 2:00	8/28/2016 1:00	5,001,886	7557	16260.0	87.4
8/27/2016 3:00	8/28/2016 2:00	5,001,886	7557	16260.0	87.4
8/27/2016 4:00	8/28/2016 3:00	5,001,886	7557	16260.0	87.4
8/27/2016 5:00	8/28/2016 4:00	5,001,886	7557	16260.0	87.4
8/27/2016 6:00	8/28/2016 5:00	5,001,886	7557	16260.0	87.4
8/27/2016 7:00	8/28/2016 6:00	5,001,886	7557	16260.0	87.4
8/27/2016 8:00	8/28/2016 7:00	5,001,886	7557	16260.0	87.4
8/27/2016 9:00	8/28/2016 8:00	5,001,886	7557	16260.0	87.4
8/27/2016 10:00	8/28/2016 9:00	5,001,886	7557	16260.0	87.4
8/27/2016 11:00	8/28/2016 10:00	5,001,886	7557	16260.0	87.4
8/27/2016 12:00	8/28/2016 11:00	5,001,886	7557	16260.0	87.4
8/27/2016 13:00	8/28/2016 12:00	5,001,886	7557	16260.0	87.4
8/27/2016 14:00	8/28/2016 13:00	5,001,886	7557	16260.0	87.4
8/27/2016 15:00	8/28/2016 14:00	5,001,886	7557	16260.0	87.4

(8.) North Flare

The measured or calculated cumulative quantity of gas discharged over the discharge duration.

Note: Measured sulfur concentrations are shown as flow-weighted averages if multiple measurement devices were used.

		(60.108a(c)(6)(iii))	(60.108a(c)(6)(iv))	(60.108a(c)(6)(vii))	(60.108a(c)(6)(vii))
First hour of 24-hr Period	Last hour of 24-hr Period	24-hr cumulative volume of flared gas above Baseline	TRS or H2S ppm (24-hr average, flow-weighted)	24-hr cumulative SO ₂	24-hr cumulative reduced sulfur
		SCF	ppmv	lbs	lbs as H ₂ S
8/27/2016 16:00	8/28/2016 15:00	4,173,851	6918	14169.6	76.1
8/27/2016 17:00	8/28/2016 16:00	3,243,656	5998	10787.0	58.0
8/27/2016 18:00	8/28/2016 17:00	2,223,286	5168	7439.6	40.0
8/27/2016 19:00	8/28/2016 18:00	1,250,589	4377	4395.3	23.6
8/27/2016 20:00	8/28/2016 19:00	321,311	3586	1491.3	8.0
8/27/2016 21:00	8/28/2016 20:00	91,442	2514	517.6	2.8
8/27/2016 22:00	8/28/2016 21:00	91,442	2514	517.6	2.8
8/27/2016 23:00	8/28/2016 22:00	55,316	2091	457.1	2.5
8/28/2016 0:00	8/28/2016 23:00	0	0	0.0	0.0

(9.) #3 SRU

The measured or calculated cumulative quantity of gas discharged over the discharge duration.

Note: Measured sulfur concentrations are shown as flow-weighted averages if multiple measurement devices were used.

		(60.108a(c)(6)(iii))	(60.108a(c)(6)(vi))	(60.108a(c)(6)(vii))	(60.108a(c)(6)(vii))
First hour of 24-hr Period	Last hour of 24-hr Period	24-hr cumulative volume	SO ₂ ppm (24-hr average, flow-weighted) ¹	24-hr cumulative SO ₂ ²	24-hr cumulative reduced sulfur
		SCF	ppmv	lbs	lbs as H ₂ S
8/26/2016 18:00	8/27/2016 17:00	27,255,334	29	113.4	0.6
8/26/2016 19:00	8/27/2016 18:00	27,260,948	58	235.1	1.3
8/26/2016 20:00	8/27/2016 19:00	26,468,252	104	290.9	1.6
8/26/2016 21:00	8/27/2016 20:00	25,576,964	149	320.7	1.7
8/26/2016 22:00	8/27/2016 21:00	24,682,472	195	348.1	1.9
8/26/2016 23:00	8/27/2016 22:00	23,889,098	218	365.6	2.0
8/27/2016 0:00	8/27/2016 23:00	23,146,658	223	368.3	2.0
8/27/2016 1:00	8/28/2016 0:00	22,321,852	227	368.5	2.0
8/27/2016 2:00	8/28/2016 1:00	21,497,238	231	368.1	2.0
8/27/2016 3:00	8/28/2016 2:00	20,635,496	234	366.4	2.0
8/27/2016 4:00	8/28/2016 3:00	19,874,234	238	366.6	2.0
8/27/2016 5:00	8/28/2016 4:00	19,145,942	241	367.6	2.0
8/27/2016 6:00	8/28/2016 5:00	18,874,473	277	461.5	2.5
8/27/2016 7:00	8/28/2016 6:00	18,945,257	315	621.5	3.3
8/27/2016 8:00	8/28/2016 7:00	18,792,136	345	729.1	3.9
8/27/2016 9:00	8/28/2016 8:00	18,463,081	352	747.4	4.0
8/27/2016 10:00	8/28/2016 9:00	18,096,094	355	753.3	4.0
8/27/2016 11:00	8/28/2016 10:00	17,775,016	358	759.7	4.1
8/27/2016 12:00	8/28/2016 11:00	17,518,615	359	760.5	4.1
8/27/2016 13:00	8/28/2016 12:00	17,345,541	360	762.1	4.1
8/27/2016 14:00	8/28/2016 13:00	17,247,716	361	765.1	4.1
8/27/2016 15:00	8/28/2016 14:00	17,210,286	362	769.1	4.1
8/27/2016 16:00	8/28/2016 15:00	17,014,029	364	778.2	4.2
8/27/2016 17:00	8/28/2016 16:00	16,457,597	366	787.1	4.2
8/27/2016 18:00	8/28/2016 17:00	15,702,164	369	795.5	4.3
8/27/2016 19:00	8/28/2016 18:00	15,646,501	340	676.3	3.6

¹ SRU SO₂ CEMS are spanned to 500 ppm. For emissions calculations, Valero assumes 2 times the span, 1000 ppm, for CEMS readings >= 500 ppm.

² Tail Gas Treater bypass emissions are calculated using a mass balance method, not using the flow and concentration values listed here.

Subpart Ja Root Cause / Corrective Action Analysis		Impact Incident Number: <u>N/A</u>
<i>The information contained below satisfies the requirements of the NSPS Subpart Ja 60.108a(c)(6).</i>		
Report:	<u>Final</u>	
Refinery:	<u>Valero (Meraux)</u>	
Incident Type:	<u>Flaring (Flow)</u>	Date of Event: <u>10/20/16</u>
Emissions Source(s):	<u>North Flare (EPN 20-72, EQT 0035)</u>	Date Analysis Completed: <u>N/A</u>
(1.) (60.108a(c)(6)(i))		
A description of the Discharge: <i>The Hydrocracker Unit was pulse purged with Nitrogen and Hydrogen as part of a normal unit startup.</i>		
(2.) (60.108a(c)(6)(ii)) and (60.108a(c)(6)(ix))		
Date and Time the discharge was first identified <u>10/20/16 11:07</u> Date/Time the discharge had ceased <u>10/21/16 17:07</u> Duration of Discharge (Calculated) <u>30.0</u> hrs		
(3.) (60.108a(c)(6)(viii))		
The steps taken to limit the emissions during the discharge: <i>Valero followed its Flare Minimization Plan and Operations Procedures to minimize the volume of this discharge.</i>		
(4.) (60.108a(c)(6)(xi))		
Necessity of RC/CAA: Determine and state whether a RC/CAA is necessary: <i>Note: If the discharge was a result of a planned startup or shutdown, a RC/CAA analysis is not required if the flare management plan was followed.</i>		
Did the discharge result from a planned startup or shutdown? <u>Yes</u> (Yes/No) Was the flare management plan followed? <u>Yes</u> (Yes/No/N/A) Is the event exempt from a RC/CCA based on the answers above? <u>Yes</u> (Yes/No) - If yes, skip section 5-7.		
(5.) (60.108a(c)(6)(ix))		
Root Cause Analysis: Describe in detail the Root Cause(s) of the Incident, to the extent determinable: Did this discharge result from root causes identified in a previous analysis? <u>No</u> (Yes/No) <i>N/A</i>		
(6.) (60.108a(c)(6)(ix))		
Corrective Action Analysis: Include a description of the recommended corrective action(s) or an explanation of why corrective action is Is corrective action required? <u>No</u> (Yes/No) <i>N/A</i>		
(7.) (60.108a(c)(6)(x))		
Corrective Action Schedule: Include corrective actions already completed within the first 45 days following the discharge. For those not completed, provide a schedule for implementation, including proposed commencement and completion dates. <i>N/A</i>		

(8.)

The measured or calculated cumulative quantity of gas discharged over the discharge duration.

Note: Measured sulfur concentrations are shown as flow-weighted averages if multiple measurement devices were used.

		(60.108a(c)(6)(iii))	(60.108a(c)(6)(iv))	(60.108a(c)(6)(vii))	(60.108a(c)(6)(vii))
First hour of 24-hr Period	Last hour of 24-hr Period	24-hr cumulative volume of flared gas above Baseline	TRS or H2S ppm (24-hr average, flow-weighted)	24-hr cumulative SO2	24-hr cumulative reduced sulfur
		SCF	ppmv	lbs	lbs as H2S
10/19/2016 11:00	10/20/2016 10:00	21,646	1	0.0	0.0
10/19/2016 13:00	10/20/2016 12:00	481,615	1	0.1	0.0
10/19/2016 14:00	10/20/2016 13:00	487,215	1	0.1	0.0
10/19/2016 15:00	10/20/2016 14:00	488,608	2	0.1	0.0
10/19/2016 16:00	10/20/2016 15:00	488,882	2	0.2	0.0
10/19/2016 17:00	10/20/2016 16:00	499,780	2	0.3	0.0
10/19/2016 18:00	10/20/2016 17:00	731,998	2	0.5	0.0
10/19/2016 19:00	10/20/2016 18:00	999,806	2	0.5	0.0
10/19/2016 20:00	10/20/2016 19:00	1,152,359	2	0.5	0.0
10/19/2016 21:00	10/20/2016 20:00	1,165,818	2	0.5	0.0
10/19/2016 22:00	10/20/2016 21:00	1,189,386	3	0.5	0.0
10/19/2016 23:00	10/20/2016 22:00	1,245,197	3	0.5	0.0
10/20/2016 0:00	10/20/2016 23:00	1,312,622	3	0.5	0.0
10/20/2016 1:00	10/21/2016 0:00	1,362,147	3	0.5	0.0
10/20/2016 2:00	10/21/2016 1:00	1,382,576	3	0.5	0.0
10/20/2016 3:00	10/21/2016 2:00	1,404,889	3	0.5	0.0
10/20/2016 4:00	10/21/2016 3:00	1,420,446	3	0.5	0.0
10/20/2016 5:00	10/21/2016 4:00	1,453,058	3	0.5	0.0
10/20/2016 6:00	10/21/2016 5:00	1,455,456	3	0.5	0.0
10/20/2016 7:00	10/21/2016 6:00	1,476,166	3	0.5	0.0
10/20/2016 8:00	10/21/2016 7:00	1,522,653	3	0.5	0.0
10/20/2016 9:00	10/21/2016 8:00	1,578,854	2	0.5	0.0
10/20/2016 10:00	10/21/2016 9:00	1,635,481	3	0.6	0.0
10/20/2016 11:00	10/21/2016 10:00	1,667,054	2	0.5	0.0
10/20/2016 12:00	10/21/2016 11:00	1,512,679	3	0.5	0.0
10/20/2016 13:00	10/21/2016 12:00	1,292,537	3	0.6	0.0
10/20/2016 14:00	10/21/2016 13:00	1,348,221	3	1.7	0.0
10/20/2016 15:00	10/21/2016 14:00	1,386,796	2	2.3	0.0
10/20/2016 16:00	10/21/2016 15:00	1,442,605	7	2.2	0.0
10/20/2016 17:00	10/21/2016 16:00	1,573,621	8	2.1	0.0
10/20/2016 18:00	10/21/2016 17:00	1,361,574	8	2.0	0.0
10/20/2016 19:00	10/21/2016 18:00	1,104,979	8	2.0	0.0
10/20/2016 20:00	10/21/2016 19:00	952,426	8	2.0	0.0
10/20/2016 21:00	10/21/2016 20:00	938,967	8	2.0	0.0
10/20/2016 22:00	10/21/2016 21:00	915,399	8	2.0	0.0
10/20/2016 23:00	10/21/2016 22:00	859,588	8	2.0	0.0
10/21/2016 0:00	10/21/2016 23:00	792,163	8	2.0	0.0
10/21/2016 1:00	10/22/2016 0:00	742,638	8	2.0	0.0
10/21/2016 2:00	10/22/2016 1:00	722,209	8	2.0	0.0
10/21/2016 3:00	10/22/2016 2:00	699,896	8	2.0	0.0
10/21/2016 4:00	10/22/2016 3:00	684,339	8	2.0	0.0
10/21/2016 5:00	10/22/2016 4:00	651,727	8	2.0	0.0
10/21/2016 6:00	10/22/2016 5:00	635,846	8	1.9	0.0
10/21/2016 7:00	10/22/2016 6:00	615,135	8	1.9	0.0
10/21/2016 8:00	10/22/2016 7:00	568,482	8	1.9	0.0
10/21/2016 9:00	10/22/2016 8:00	510,478	8	1.9	0.0
10/21/2016 10:00	10/22/2016 9:00	453,605	7	1.8	0.0

Subpart Ja Root Cause / Corrective Action AnalysisImpact Incident Number: **174622 / 174623**

The information contained below satisfies the requirements of the NSPS Subpart Ja 60.108a(c)(6).

Report:	<u>Initial</u>	
Refinery:	<u>Valero (Meraux)</u>	
Incident Type:	<u>Flaring (Flow and SO2), #3 SRU (SO2)</u>	Date of Event: <u>10/23/16</u>
Emissions Source(s):	<u>North Flare (EPN 20-72, EQT 0035)</u>	Date Analysis Completed: <u>11/16/16</u>
	<u>#3 SRU Incinerator (EPN 5-00, EQT 0079)</u>	

(1.) (60.108a(c)(6)(i))

A description of the Discharge:

At approximately 04:20 on 10/23/16, the Flare Gas Recovery (FGR) compressor tripped on high oil injection temperature which resulted in flaring for approximately 24 minutes. Later that day, at approximately 13:27, Valero was attempting to start up the Hydrocracker (HC) Recycle Gas Scrubber when a shutdown of the Lean Amine Pumps resulted in the rapid loss of level in the Hydrocracker Recycle Gas Scrubber. This allowed high pressure gases from the HC Recycle Gas Scrubber to enter the Rich Amine Flash Drum causing the PSV to lift to the flare, exceeding 500,000 SCF/24 hours and 500 lbs SO2/24 hours at the North Flare. Still later that day at approximately 14:20, while Valero was making the 2nd attempt at starting up the HC Recycle Gas Scrubber, the #3 Sulfur Recovery Unit (SRU) tripped on low air flow, which resulted in SO2 emissions greater than 500 lbs/24 hours above the allowable emissions from the #3 SRU Incinerator.

(2.) (60.108a(c)(6)(ii)) and (60.108a(c)(6)(ix))

	North Flare	#3 SRU
Date and Time the discharge was first identified	<u>10/23/16 4:22</u>	<u>10/23/16 14:23</u>
Date/Time the discharge had ceased	<u>10/23/16 14:44</u>	<u>10/24/16 9:36</u>
Duration of Discharge (Calculated)	<u>10.4</u>	<u>19.2</u> hrs

(3.) (60.108a(c)(6)(viii))

The steps taken to limit the emissions during the discharge:

Valero initiated its refinery sulfur shedding procedure and followed its Flare Minimization Plan and Operations Procedures to minimize the volume of this discharge. Once Valero identified the Rich Amine Flash Drum as the source of the flare SO2 emissions, the Drum was manually isolated.

(4.) (60.108a(c)(6)(xi))

Necessity of RC/CAA: Determine and state whether a RC/CAA is necessary:

Note: If the discharge was a result of a planned startup or shutdown, a RC/CAA analysis is not required if the flare management plan was followed.

Did the discharge result from a planned startup or shutdown?	<u>No</u>	(Yes/No)
Was the flare management plan followed?	<u>Yes</u>	(Yes/No/N/A)
Is the event exempt from a RC/CAA based on the answers above?	<u>No</u>	(Yes/No)

- If yes, skip section 5-7.

(5.) (60.108a(c)(6)(ix))

Root Cause Analysis: Describe in detail the Root Cause(s) of the Incident, to the extent determinable:

Did this discharge result from root causes identified in a previous analysis? No (Yes/No)

- 1) FGR Compressor Trip - The Alarm Properties window for the FGR Compressor Outlet LO Temperature Alarm recommended that the Injection Oil Cooler fan be stopped. This recommended action was incorrect and resulted in the FGR Compressor tripping on HI Injection Oil temperature.
- 2) Hydrocracker Rich Amine Flash Drum PSV - The primary level control valve for the HC Recycle Gas Scrubber (HC-LV018A) was being operated in tandem with a manual block valve because it was known that HC-LV018A did not fully close. The manual block valve was not closed quickly enough to prevent emptying the HC Recycle Gas Scrubber. The other level control valve, HC-LV018B, was available and should have been used.
- 3) #3 SRU Trip - The DCS console operator inputted an incorrect setpoint value for the #3 SRU Main Burner air flow.

Contributing Factors:

- 1) Level indication on the #2 Amine Rich Amine Flash Drum failed to indicate that the level had fallen below 40%.

(6.)

(60.108a(c)(6)(ix))

Corrective Action Analysis: Include a description of the recommended corrective action(s) or an explanation of why corrective action is not
Is corrective action required? Yes (Yes/No)

- 1) *Correct the recommended action for an FGR Compressor Outlet Temperature LO Alarm.*
- 2) *Repair the level indication on the #2 Amine Rich Amine Flash Drum.*
- 3) *Repair HC-LV018A so that it fully closes.*
- 4) *Incorporate specific guidelines for HC Recycle Gas Scrubber system start-up into existing HC Start-Up procedure. Include positive verification of HC-LV018A or B line up in procedure.*
- 5) *Implement setpoint limits or rate of changes limits for the #3 SRU Main Bruner Air Flow.*

(7.)

(60.108a(c)(6)(x))

Corrective Action Schedule: Include corrective actions already completed within the first 45 days following the discharge. For those not completed, provide a schedule for implementation, including proposed commencement and completion dates.

- 1) *Correct the recommended action for an FGR Compressor Outlet Temperature LO Alarm.*
Commencement Date: 11/16/16
Completed: 12/15/16
- 2) *Repair the level indication on the #2 Amine Rich Amine Flash Drum.*
Commencement Date: 11/16/16
Completed: 11/16/16
- 3) *Repair HC-LV018A so that it fully closes.*
Commencement Date: 11/16/16
Completed: 12/20/16
- 4) *Incorporate specific guidelines for HC Recycle Gas Scrubber system start-up into existing HC Start-Up procedure. Include positive verification of HC-LV018A or B line up in procedure.*
Commencement Date: 11/16/16
Estimated Completion Date: 6/30/17
- 5) *Implement setpoint limits or rate of changes limits for the #3 SRU Main Burner Air Flow.*
Commencement Date: 11/16/16
Estimated Completion Date: 3/31/17

(8.) North Flare

The measured or calculated cumulative quantity of gas discharged over the discharge duration.

Note: Measured sulfur concentrations are shown as flow-weighted averages if multiple measurement devices were used.

		(60.108a(c)(6)(iii))	(60.108a(c)(6)(iv))	(60.108a(c)(6)(vii))	(60.108a(c)(6)(vii))
First hour of 24-hr Period	Last hour of 24-hr Period	24-hr cumulative volume of flared gas above Baseline	TRS or H2S ppm (24-hr average, flow-weighted)	24-hr cumulative SO2	24-hr cumulative reduced sulfur
		SCF	ppmv	lbs	lbs as H2S
10/22/2016 4:00	10/23/2016 3:00	198	2	0	0
10/22/2016 5:00	10/23/2016 4:00	63,994	1502	378.3	2.0
10/22/2016 6:00	10/23/2016 5:00	72,058	1503	378.3	2.0
10/22/2016 7:00	10/23/2016 6:00	92,004	1503	378.4	2.0
10/22/2016 8:00	10/23/2016 7:00	128,978	1512	379.6	2.0
10/22/2016 9:00	10/23/2016 8:00	156,193	1518	380.3	2.0
10/22/2016 10:00	10/23/2016 9:00	183,897	1518	380.3	2.0
10/22/2016 11:00	10/23/2016 10:00	213,479	1518	380.3	2.0
10/22/2016 12:00	10/23/2016 11:00	244,978	1518	380.3	2.0
10/22/2016 13:00	10/23/2016 12:00	247,030	1522	380.4	2.0
10/22/2016 14:00	10/23/2016 13:00	366,559	2011	611.4	3.3
10/22/2016 15:00	10/23/2016 14:00	414,066	2238	654.2	3.5
10/22/2016 16:00	10/23/2016 15:00	439,664	2238	654.2	3.5
10/22/2016 17:00	10/23/2016 16:00	461,597	2239	654.2	3.5
10/22/2016 18:00	10/23/2016 17:00	461,608	2239	654.2	3.5
10/22/2016 19:00	10/23/2016 18:00	461,608	2239	654.2	3.5
10/22/2016 20:00	10/23/2016 19:00	461,608	2239	654.2	3.5
10/22/2016 21:00	10/23/2016 20:00	461,608	2239	654.2	3.5
10/22/2016 22:00	10/23/2016 21:00	461,608	2239	654.2	3.5
10/22/2016 23:00	10/23/2016 22:00	461,608	2239	654.2	3.5
10/23/2016 0:00	10/23/2016 23:00	461,608	2239	654.2	3.5
10/23/2016 1:00	10/24/2016 0:00	462,286	2283	654.3	3.5
10/23/2016 2:00	10/24/2016 1:00	462,286	2283	654.3	3.5
10/23/2016 3:00	10/24/2016 2:00	462,286	2283	654.3	3.5
10/23/2016 4:00	10/24/2016 3:00	595,167	2300	664.2	3.6
10/23/2016 5:00	10/24/2016 4:00	561,475	812	287.4	1.5
10/23/2016 6:00	10/24/2016 5:00	553,411	811	287.4	1.5
10/23/2016 7:00	10/24/2016 6:00	533,465	811	287.4	1.5
10/23/2016 8:00	10/24/2016 7:00	496,491	802	286.1	1.5

(9.) #3 SRU

The measured or calculated cumulative quantity of gas discharged over the discharge duration.

Note: Measured sulfur concentrations are shown as flow-weighted averages if multiple measurement devices were used.

(60.108a(c)(6)(iii))		(60.108a(c)(6)(vi))		(60.108a(c)(6)(vii))	
First hour of 24-hr Period	Last hour of 24-hr Period	24-hr cumulative volume	SO ₂ ppm	24-hr cumulative SO ₂ ²	24-hr cumulative reduced sulfur
			(24-hr average, flow-weighted) ¹		
		SCF	ppmv	lbs	lbs as H2S
10/22/2016 14:00	10/23/2016 13:00	13,905,058	74	189.0	1.0
10/22/2016 15:00	10/23/2016 14:00	14,318,017	107	288.4	1.6
10/22/2016 16:00	10/23/2016 15:00	13,866,363	150	299.3	1.6
10/22/2016 17:00	10/23/2016 16:00	13,299,990	196	298.8	1.6
10/22/2016 18:00	10/23/2016 17:00	12,774,555	242	298.4	1.6
10/22/2016 19:00	10/23/2016 18:00	12,374,545	246	306.7	1.6
10/22/2016 20:00	10/23/2016 19:00	12,352,716	251	316.0	1.7
10/22/2016 21:00	10/23/2016 20:00	12,217,019	254	319.3	1.7
10/22/2016 22:00	10/23/2016 21:00	12,052,873	255	320.5	1.7
10/22/2016 23:00	10/23/2016 22:00	11,937,688	252	314.9	1.7
10/23/2016 0:00	10/23/2016 23:00	11,984,126	247	302.3	1.6
10/23/2016 1:00	10/24/2016 0:00	12,286,388	274	404.3	2.2
10/23/2016 2:00	10/24/2016 1:00	12,758,113	279	426.7	2.3
10/23/2016 3:00	10/24/2016 2:00	13,307,302	284	449.0	2.4
10/23/2016 4:00	10/24/2016 3:00	14,009,686	287	467.5	2.5
10/23/2016 5:00	10/24/2016 4:00	14,612,868	289	475.0	2.6
10/23/2016 6:00	10/24/2016 5:00	15,231,764	290	481.4	2.6
10/23/2016 7:00	10/24/2016 6:00	15,777,042	294	499.2	2.7
10/23/2016 8:00	10/24/2016 7:00	16,432,201	339	713.7	3.8
10/23/2016 9:00	10/24/2016 8:00	17,016,939	354	776.0	4.2
10/23/2016 10:00	10/24/2016 9:00	17,693,776	360	806.7	4.3
10/23/2016 11:00	10/24/2016 10:00	18,263,072	361	815.5	4.4
10/23/2016 12:00	10/24/2016 11:00	18,856,758	363	823.2	4.4
10/23/2016 13:00	10/24/2016 12:00	19,458,013	364	830.6	4.5
10/23/2016 14:00	10/24/2016 13:00	20,115,328	365	837.9	4.5
10/23/2016 15:00	10/24/2016 14:00	20,495,780	333	747.3	4.0
10/23/2016 16:00	10/24/2016 15:00	21,571,757	291	746.0	4.0
10/23/2016 17:00	10/24/2016 16:00	22,649,507	246	752.6	4.0
10/23/2016 18:00	10/24/2016 17:00	23,684,057	201	758.9	4.1
10/23/2016 19:00	10/24/2016 18:00	24,606,305	199	756.8	4.1
10/23/2016 20:00	10/24/2016 19:00	25,155,622	195	753.6	4.1
10/23/2016 21:00	10/24/2016 20:00	25,756,251	193	755.4	4.1
10/23/2016 22:00	10/24/2016 21:00	26,396,826	193	760.1	4.1
10/23/2016 23:00	10/24/2016 22:00	26,898,548	193	763.1	4.1
10/24/2016 0:00	10/24/2016 23:00	26,986,866	160	664.9	3.6
10/24/2016 1:00	10/25/2016 0:00	26,953,052	131	561.2	3.0
10/24/2016 2:00	10/25/2016 1:00	26,818,877	126	540.3	2.9

¹ SRU SO₂ CEMS are spanned to 500 ppm. For emissions calculations, Valero assumes 2 times the span, 1000 ppm, for CEMS readings >= 500 ppm.

² Tail Gas Treater bypass emissions are calculated using a mass balance method, not using the flow and concentration values listed here.

Subpart Ja Root Cause / Corrective Action Analysis		Impact Incident Number: <u>N/A</u>
<i>The information contained below satisfies the requirements of the NSPS Subpart Ja 60.108a(c)(6).</i>		
Report:	<u>Final</u>	
Refinery:	<u>Valero (Meraux)</u>	
Incident Type:	<u>Flaring (Flow)</u>	Date of Event: <u>10/26/16</u>
Emissions Source(s):	<u>South Flare (EPN 3-77, EQT 0049)</u>	Date Analysis Completed: <u>N/A</u>
(1.) (60.108a(c)(6)(i))		
A description of the Discharge: <i>The Middle Distillate Hydrotreater Unit was pulse purged with Nitrogen as part of a planned shutdown.</i>		
(2.) (60.108a(c)(6)(ii)) and (60.108a(c)(6)(ix))		
Date and Time the discharge was first identified <u>10/26/16 3:50</u> Date/Time the discharge had ceased <u>10/29/16 20:23</u> Duration of Discharge (Calculated) <u>88.6</u> hrs		
(3.) (60.108a(c)(6)(viii))		
The steps taken to limit the emissions during the discharge: <i>Valero followed its Flare Minimization Plan and Operations Procedures to minimize the volume of this discharge.</i>		
(4.) (60.108a(c)(6)(xi))		
Necessity of RC/CAA: Determine and state whether a RC/CAA is necessary: <i>Note: If the discharge was a result of a planned startup or shutdown, a RC/CAA analysis is not required if the flare management plan was followed.</i>		
Did the discharge result from a planned startup or shutdown? <u>Yes</u> (Yes/No) Was the flare management plan followed? <u>Yes</u> (Yes/No/N/A) Is the event exempt from a RC/CCA based on the answers above? <u>Yes</u> (Yes/No) - If yes, skip section 5-7.		
(5.) (60.108a(c)(6)(ix))		
Root Cause Analysis: Describe in detail the Root Cause(s) of the Incident, to the extent determinable: Did this discharge result from root causes identified in a previous analysis? <u>No</u> (Yes/No) <i>N/A</i>		
(6.) (60.108a(c)(6)(ix))		
Corrective Action Analysis: Include a description of the recommended corrective action(s) or an explanation of why corrective action is Is corrective action required? <u>No</u> (Yes/No) <i>N/A</i>		
(7.) (60.108a(c)(6)(x))		
Corrective Action Schedule: Include corrective actions already completed within the first 45 days following the discharge. For those not completed, provide a schedule for implementation, including proposed commencement and completion dates. <i>N/A</i>		

(8.)

The measured or calculated cumulative quantity of gas discharged over the discharge duration.

Note: Measured sulfur concentrations are shown as flow-weighted averages if multiple measurement devices were used.

		(60.108a(c)(6)(iii))	(60.108a(c)(6)(iv))	(60.108a(c)(6)(vii))	(60.108a(c)(6)(vii))
First hour of 24-hr Period	Last hour of 24-hr Period	24-hr cumulative volume of flared gas above Baseline	TRS or H2S ppm (24-hr average, flow-weighted)	24-hr cumulative SO2	24-hr cumulative reduced sulfur
		SCF	ppmv	lbs	lbs as H2S
10/25/2016 3:00	10/26/2016 2:00	2,003	2514	1.9	0.0
10/25/2016 4:00	10/26/2016 3:00	3,775	2653	2.8	0.0
10/25/2016 5:00	10/26/2016 4:00	56,435	2783	29.9	0.2
10/25/2016 6:00	10/26/2016 5:00	101,674	2838	39.7	0.2
10/25/2016 7:00	10/26/2016 6:00	105,406	2885	40.4	0.2
10/25/2016 8:00	10/26/2016 7:00	105,406	2885	40.4	0.2
10/25/2016 9:00	10/26/2016 8:00	107,275	2972	41.1	0.2
10/25/2016 10:00	10/26/2016 9:00	108,985	2996	41.2	0.2
10/25/2016 11:00	10/26/2016 10:00	110,932	3021	41.4	0.2
10/25/2016 12:00	10/26/2016 11:00	111,706	3036	41.5	0.2
10/25/2016 13:00	10/26/2016 12:00	112,166	3046	41.5	0.2
10/25/2016 14:00	10/26/2016 13:00	145,927	3070	44.7	0.2
10/25/2016 15:00	10/26/2016 14:00	212,329	3102	53.1	0.3
10/25/2016 16:00	10/26/2016 15:00	306,659	3118	59.0	0.3
10/25/2016 17:00	10/26/2016 16:00	373,229	871	62.5	0.3
10/25/2016 18:00	10/26/2016 17:00	460,505	882	66.6	0.4
10/25/2016 19:00	10/26/2016 18:00	546,838	893	70.2	0.4
10/25/2016 20:00	10/26/2016 19:00	688,411	897	72.3	0.4
10/25/2016 21:00	10/26/2016 20:00	843,434	900	74.3	0.4
10/25/2016 22:00	10/26/2016 21:00	982,637	903	75.9	0.4
10/25/2016 23:00	10/26/2016 22:00	1,147,332	905	77.5	0.4
10/26/2016 0:00	10/26/2016 23:00	1,325,443	908	79.2	0.4
10/26/2016 1:00	10/27/2016 0:00	1,504,523	910	80.9	0.4
10/26/2016 2:00	10/27/2016 1:00	1,681,851	670	80.8	0.4
10/26/2016 3:00	10/27/2016 2:00	1,842,664	661	82.3	0.4
10/26/2016 4:00	10/27/2016 3:00	2,014,563	525	83.0	0.4
10/26/2016 5:00	10/27/2016 4:00	2,140,999	397	57.6	0.3
10/26/2016 6:00	10/27/2016 5:00	2,257,517	345	49.2	0.3
10/26/2016 7:00	10/27/2016 6:00	2,419,308	299	49.9	0.3
10/26/2016 8:00	10/27/2016 7:00	2,593,792	301	51.3	0.3
10/26/2016 9:00	10/27/2016 8:00	2,758,389	250	74.0	0.4
10/26/2016 10:00	10/27/2016 9:00	2,929,560	228	75.5	0.4
10/26/2016 11:00	10/27/2016 10:00	3,115,071	206	77.2	0.4
10/26/2016 12:00	10/27/2016 11:00	3,310,381	202	85.8	0.5
10/26/2016 13:00	10/27/2016 12:00	3,565,857	229	122.7	0.7
10/26/2016 14:00	10/27/2016 13:00	3,783,685	226	140.1	0.8
10/26/2016 15:00	10/27/2016 14:00	4,000,149	197	135.2	0.7
10/26/2016 16:00	10/27/2016 15:00	4,190,534	184	132.6	0.7
10/26/2016 17:00	10/27/2016 16:00	4,388,146	173	132.1	0.7
10/26/2016 18:00	10/27/2016 17:00	4,590,643	165	131.8	0.7
10/26/2016 19:00	10/27/2016 18:00	4,745,376	158	131.5	0.7
10/26/2016 20:00	10/27/2016 19:00	4,822,603	157	132.4	0.7
10/26/2016 21:00	10/27/2016 20:00	4,874,865	158	133.1	0.7
10/26/2016 22:00	10/27/2016 21:00	4,958,018	158	134.3	0.7
10/26/2016 23:00	10/27/2016 22:00	4,993,339	158	135.2	0.7
10/27/2016 0:00	10/27/2016 23:00	5,011,802	159	135.8	0.7
10/27/2016 1:00	10/28/2016 0:00	5,050,154	163	139.3	0.7
10/27/2016 2:00	10/28/2016 1:00	5,095,353	170	145.8	0.8
10/27/2016 3:00	10/28/2016 2:00	5,171,581	171	148.0	0.8
10/27/2016 4:00	10/28/2016 3:00	5,246,823	172	149.6	0.8
10/27/2016 5:00	10/28/2016 4:00	5,296,633	173	150.8	0.8

(8.)

The measured or calculated cumulative quantity of gas discharged over the discharge duration.

Note: Measured sulfur concentrations are shown as flow-weighted averages if multiple measurement devices were used.

		(60.108a(c)(6)(iii))	(60.108a(c)(6)(iv))	(60.108a(c)(6)(vii))	(60.108a(c)(6)(vii))
First hour of 24-hr Period	Last hour of 24-hr Period	24-hr cumulative volume of flared gas above Baseline	TRS or H2S ppm (24-hr average, flow-weighted)	24-hr cumulative SO2	24-hr cumulative reduced sulfur
		SCF	ppmv	lbs	lbs as H2S
10/27/2016 6:00	10/28/2016 5:00	5,358,450	174	152.1	0.8
10/27/2016 7:00	10/28/2016 6:00	5,411,128	175	153.3	0.8
10/27/2016 8:00	10/28/2016 7:00	5,434,501	175	154.1	0.8
10/27/2016 9:00	10/28/2016 8:00	5,473,831	140	130.7	0.7
10/27/2016 10:00	10/28/2016 9:00	5,491,018	137	129.1	0.7
10/27/2016 11:00	10/28/2016 10:00	5,485,876	135	127.2	0.7
10/27/2016 12:00	10/28/2016 11:00	5,481,528	124	118.5	0.6
10/27/2016 13:00	10/28/2016 12:00	5,445,165	87	81.6	0.4
10/27/2016 14:00	10/28/2016 13:00	5,456,414	66	60.9	0.3
10/27/2016 15:00	10/28/2016 14:00	5,447,162	63	57.4	0.3
10/27/2016 16:00	10/28/2016 15:00	5,467,128	60	54.2	0.3
10/27/2016 17:00	10/28/2016 16:00	5,415,437	58	51.2	0.3
10/27/2016 18:00	10/28/2016 17:00	5,275,754	54	47.4	0.3
10/27/2016 19:00	10/28/2016 18:00	5,164,558	51	44.1	0.2
10/27/2016 20:00	10/28/2016 19:00	5,031,062	47	41.0	0.2
10/27/2016 21:00	10/28/2016 20:00	4,893,984	44	38.3	0.2
10/27/2016 22:00	10/28/2016 21:00	4,705,052	41	35.5	0.2
10/27/2016 23:00	10/28/2016 22:00	4,514,693	38	33.1	0.2
10/28/2016 0:00	10/28/2016 23:00	4,328,360	35	30.7	0.2
10/28/2016 1:00	10/29/2016 0:00	4,132,767	29	25.5	0.1
10/28/2016 2:00	10/29/2016 1:00	3,954,740	19	17.2	0.1
10/28/2016 3:00	10/29/2016 2:00	3,788,458	15	13.6	0.1
10/28/2016 4:00	10/29/2016 3:00	3,636,417	12	10.3	0.1
10/28/2016 5:00	10/29/2016 4:00	3,503,079	9	7.5	0.0
10/28/2016 6:00	10/29/2016 5:00	3,374,020	6	4.8	0.0
10/28/2016 7:00	10/29/2016 6:00	3,226,221	3	2.2	0.0
10/28/2016 8:00	10/29/2016 7:00	3,100,318	0	0.0	0.0
10/28/2016 9:00	10/29/2016 8:00	2,950,293	0	0.0	0.0
10/28/2016 10:00	10/29/2016 9:00	2,816,678	0	0.0	0.0
10/28/2016 11:00	10/29/2016 10:00	2,705,086	0	0.0	0.0
10/28/2016 12:00	10/29/2016 11:00	2,610,606	0	0.0	0.0
10/28/2016 13:00	10/29/2016 12:00	2,478,684	0	0.0	0.0
10/28/2016 14:00	10/29/2016 13:00	2,297,672	0	0.0	0.0
10/28/2016 15:00	10/29/2016 14:00	2,086,278	0	0.0	0.0
10/28/2016 16:00	10/29/2016 15:00	1,847,436	0	0.0	0.0
10/28/2016 17:00	10/29/2016 16:00	1,695,595	0	0.0	0.0
10/28/2016 18:00	10/29/2016 17:00	1,622,316	0	0.0	0.0
10/28/2016 19:00	10/29/2016 18:00	1,561,042	0	0.0	0.0
10/28/2016 20:00	10/29/2016 19:00	1,512,128	0	0.0	0.0
10/28/2016 21:00	10/29/2016 20:00	1,452,745	0	0.0	0.0
10/28/2016 22:00	10/29/2016 21:00	1,419,321	0	0.0	0.0
10/28/2016 23:00	10/29/2016 22:00	1,409,665	0	0.0	0.0
10/29/2016 0:00	10/29/2016 23:00	1,399,423	0	0.0	0.0
10/29/2016 1:00	10/30/2016 0:00	1,377,585	0	0.0	0.0
10/29/2016 2:00	10/30/2016 1:00	1,331,148	0	0.0	0.0
10/29/2016 3:00	10/30/2016 2:00	1,260,325	0	0.0	0.0
10/29/2016 4:00	10/30/2016 3:00	1,163,453	0	0.0	0.0
10/29/2016 5:00	10/30/2016 4:00	1,067,884	0	0.0	0.0
10/29/2016 6:00	10/30/2016 5:00	973,369	0	0.0	0.0
10/29/2016 7:00	10/30/2016 6:00	902,967	0	0.0	0.0
10/29/2016 8:00	10/30/2016 7:00	831,013	0	0.0	0.0

(8.)

The measured or calculated cumulative quantity of gas discharged over the discharge duration.

Note: Measured sulfur concentrations are shown as flow-weighted averages if multiple measurement devices were used.

		(60.108a(c)(6)(iii))	(60.108a(c)(6)(iv))	(60.108a(c)(6)(vii))	(60.108a(c)(6)(vii))
First hour of 24-hr Period	Last hour of 24-hr Period	24-hr cumulative volume of flared gas above Baseline	TRS or H2S ppm (24-hr average, flow-weighted)	24-hr cumulative SO2	24-hr cumulative reduced sulfur
		SCF	ppmv	lbs	lbs as H2S
10/29/2016 9:00	10/30/2016 8:00	775,242	0	0.0	0.0
10/29/2016 10:00	10/30/2016 9:00	718,790	0	0.0	0.0
10/29/2016 11:00	10/30/2016 10:00	648,065	0	0.0	0.0
10/29/2016 12:00	10/30/2016 11:00	550,809	0	0.0	0.0
10/29/2016 13:00	10/30/2016 12:00	463,158	0	0.0	0.0

Subpart Ja Root Cause / Corrective Action AnalysisImpact Incident Number: **175687***The information contained below satisfies the requirements of the NSPS Subpart Ja 60.108a(c)(6).*

Report:	<u>Initial</u>	
Refinery:	<u>Valero (Meraux)</u>	
Incident Type:	<u>Flaring (Flow and SO₂)</u>	Date of Event: <u>11/17/17</u>
Emissions Source(s):	<u>North Flare (EPN 20-72, EQT 0035)</u>	Date Analysis Completed: <u>12/14/16</u>

(1.) (60.108a(c)(6)(i))

A description of the Discharge:

On 11/17/16, at approximately 02:36, the Hydrocracker (HC) Recycle Gas Compressor tripped offline on high seal gas pressure. This initiated an emergency shutdown of the HC and a high rate depressurization to the North Flare, which exceeded the 500,000 SCF/24 hrs and 500 lbs SO₂/24 hrs.

(2.) (60.108a(c)(6)(ii)) and (60.108a(c)(6)(ix))

and Time the discharge was first identified	<u>11/17/16 2:50</u>
Date/Time the discharge had ceased	<u>11/17/16 4:17</u>
Duration of Discharge (Calculated)	<u>1.5</u> hrs

(3.) (60.108a(c)(6)(viii))

The steps taken to limit the emissions during the discharge:

Valero followed its Flare Minimization Plan and Operations Procedures to minimize the volume of this discharge.

(4.) (60.108a(c)(6)(xi))

Necessity of RC/CAA: Determine and state whether a RC/CAA is necessary:

Note: If the discharge was a result of a planned startup or shutdown, a RC/CAA analysis is not required if the flare management plan was followed.

Did the discharge result from a planned startup or shutdown?	<u>No</u>	(Yes/No)
Was the flare management plan followed?	<u>Yes</u>	(Yes/No/N/A)
Is the event exempt from a RC/CCA based on the answers above?	<u>No</u>	(Yes/No)

- If yes, skip section 5-7.

(5.) (60.108a(c)(6)(ix))

Root Cause Analysis: Describe in detail the Root Cause(s) of the Incident, to the extent determinable:

Did this discharge result from root causes identified in a previous analysis? Yes (Yes/No)

Liquids (oil) in the dry gas seal system caused the high pressure that tripped the Recycle Gas Compressor. The 3rd stage of the Make Up Gas Compressors supply H₂ to the Recycle Gas Compressor seal gas system. Oil is entrained in this gas and is normally removed by a series of 3 sets of filters with drains before it reaches the Recycle Gas Compressor. Prior to this incident, Valero normally operated with the drains open on all 3 sets of filters. For this incident, the drains on the filters were not open. A newly installed configuration on the last set of filters was supposed to detect oil level and alarm on high oil levels, but did not function properly.

(6.)	(60.108a(c)(6)(ix))
Corrective Action Analysis: Include a description of the recommended corrective action(s) or an explanation of why corrective action is Is corrective action required? <u>Yes</u> (Yes/No)	
1) Add to the shift operator rounds to verify that the drains are open on all three sets of filters that supply gas to the Recycle Gas Compressor dry seal. 2) Update Recycle Gas Compressor start-up procedure to include opening the drain valves on these filters. 3) Evaluate supplying dry gas from the discharge of the Recycle Gas Compressor rather than the Make Up Gas Compressor. 4) Install low point drain on the Make Up Gas Compressors 3rd stage discharge bottles to allow them to be drained routinely. 5) Evaluate installing cyclone filter ahead of the 1st set of filters.	
(7.)	(60.108a(c)(6)(x))
Corrective Action Schedule: Include corrective actions already completed within the first 45 days following the discharge. For those not completed, provide a schedule for implementation, including proposed commencement and completion dates.	
1) Add to the shift operator rounds to verify that the drains are open on all three sets of filters that supply gas to the Recycle Gas Compressor dry seal. Commencement Date: 12/14/16 Completed: 12/16/16	
2) Update Recycle Gas Compressor start-up procedure to include opening the drain valves on these filters. Commencement Date: 12/14/16 Completed: 12/19/16	
3) Evaluate supplying dry gas from the discharge of the Recycle Gas Compressor rather than the Make Up Gas Compressor. Commencement Date: 12/14/16 Estimated Completion Date: 9/30/17	
4) Install low point drain on the Make Up Gas Compressors 3rd stage discharge bottles to allow them to be drained routinely. Commencement Date: 12/14/16 Estimated Completion Date: 12/31/18	
5) Evaluate installing cyclone filter ahead of the 1st set of filters. Commencement Date: 12/14/16 Estimated Completion Date: 9/30/17	

(8.)

The measured or calculated cumulative quantity of gas discharged over the discharge duration.

Note: Measured sulfur concentrations are shown as flow-weighted averages if multiple measurement devices were used.

		(60.108a(c)(6)(iii))	(60.108a(c)(6)(iv))	(60.108a(c)(6)(vii))	(60.108a(c)(6)(vii))
First hour of 24-hr Period	Last hour of 24-hr Period	24-hr cumulative volume of flared gas above Baseline	TRS or H2S ppm (24-hr average, flow-weighted)	24-hr cumulative SO2	24-hr cumulative reduced sulfur
		SCF	ppmv	lbs	lbs as H2S
11/16/2016 2:00	11/17/2016 1:00	0	0	0.0	0.0
11/16/2016 3:00	11/17/2016 2:00	182,185	215	155.2	0.8
11/16/2016 4:00	11/17/2016 3:00	1,633,661	565	2159.3	11.6
11/16/2016 5:00	11/17/2016 4:00	1,705,235	653	2184.1	11.7
11/16/2016 6:00	11/17/2016 5:00	1,741,310	677	2187.6	11.8
11/16/2016 7:00	11/17/2016 6:00	1,776,367	698	2190.5	11.8
11/16/2016 8:00	11/17/2016 7:00	1,795,718	728	2192.8	11.8
11/16/2016 9:00	11/17/2016 8:00	1,816,746	765	2195.9	11.8
11/16/2016 10:00	11/17/2016 9:00	1,914,534	886	2242.6	12.1
11/16/2016 11:00	11/17/2016 10:00	2,008,282	908	2250.9	12.1
11/16/2016 12:00	11/17/2016 11:00	2,105,191	918	2254.4	12.1
11/16/2016 13:00	11/17/2016 12:00	2,160,052	919	2254.7	12.1
11/16/2016 14:00	11/17/2016 13:00	2,211,098	920	2254.9	12.1
11/16/2016 15:00	11/17/2016 14:00	2,250,238	921	2255.0	12.1
11/16/2016 16:00	11/17/2016 15:00	2,280,939	921	2255.1	12.1
11/16/2016 17:00	11/17/2016 16:00	2,290,276	922	2255.1	12.1
11/16/2016 18:00	11/17/2016 17:00	2,290,276	922	2255.1	12.1
11/16/2016 19:00	11/17/2016 18:00	2,290,276	922	2255.1	12.1
11/16/2016 20:00	11/17/2016 19:00	2,290,276	922	2255.1	12.1
11/16/2016 21:00	11/17/2016 20:00	2,290,276	922	2255.1	12.1
11/16/2016 22:00	11/17/2016 21:00	2,290,276	922	2255.1	12.1
11/16/2016 23:00	11/17/2016 22:00	2,290,276	922	2255.1	12.1
11/17/2016 0:00	11/17/2016 23:00	2,292,291	932	2255.2	12.1
11/17/2016 1:00	11/18/2016 0:00	2,292,291	932	2255.2	12.1
11/17/2016 2:00	11/18/2016 1:00	2,292,291	932	2255.2	12.1
11/17/2016 3:00	11/18/2016 2:00	2,110,106	717	2100.0	11.3
11/17/2016 4:00	11/18/2016 3:00	658,629	367	95.9	0.5
11/17/2016 5:00	11/18/2016 4:00	587,056	279	71.0	0.4
11/17/2016 6:00	11/18/2016 5:00	550,981	255	67.6	0.4
11/17/2016 7:00	11/18/2016 6:00	532,810	240	65.1	0.3
11/17/2016 8:00	11/18/2016 7:00	604,203	218	65.5	0.4
11/17/2016 9:00	11/18/2016 8:00	676,414	185	64.0	0.3
11/17/2016 10:00	11/18/2016 9:00	609,687	68	17.8	0.1
11/17/2016 11:00	11/18/2016 10:00	563,519	48	9.9	0.1
11/17/2016 12:00	11/18/2016 11:00	515,450	40	6.8	0.0
11/17/2016 13:00	11/18/2016 12:00	462,444	41	6.5	0.0

Subpart Ja Root Cause / Corrective Action AnalysisImpact Incident Number: **176002***The information contained below satisfies the requirements of the NSPS Subpart Ja 60.108a(c)(6).*

Report:	<u>Initial</u>	
Refinery:	<u>Valero (Meraux)</u>	
Incident Type:	<u>Flaring (Flow and SO2)</u>	Date of Event: <u>11/29/16</u>
Emissions Source(s):	<u>North Flare (EPN 20-72, EQT 0035)</u>	Date Analysis Completed: <u>1/5/17</u>

(1.) (60.108a(c)(6)(i))

A description of the Discharge:

On 11/29/16 at approximately 14:00, a leak developed in the Hydrocracker Unit (HC) on the Stripper Feed Exchanger (HC-E-003). This leak caused the high pressure of the intermediate separator vapor circuit to dump into the lower pressure stripper system. The resulting high pressure in the stripper system caused all PSVs in this circuit (Stripper, Stripper Off-gas Scrubber and Rich Amine Flash Drum) to relieve to the flare. This flaring exceeded 500,000 SCF/24 hours and 500 lbs of SO2/24 hours. Valero quickly initiated a HC shutdown and additional flaring continued until 12/1/16 at 17:00.

(2.) (60.108a(c)(6)(ii)) and (60.108a(c)(6)(ix))

and Time the discharge was first identified	<u>11/29/16 14:07</u>
Date/Time the discharge had ceased	<u>12/1/16 17:00</u>
Duration of Discharge (Calculated)	<u>50.9</u> hrs

(3.) (60.108a(c)(6)(viii))

The steps taken to limit the emissions during the discharge:

Valero followed its Flare Minimization Plan and Operations Procedures to minimize the volume of this discharge.

(4.) (60.108a(c)(6)(xi))

Necessity of RC/CAA: Determine and state whether a RC/CAA is necessary:

Note: If the discharge was a result of a planned startup or shutdown, a RC/CAA analysis is not required if the flare management plan was followed.

Did the discharge result from a planned startup or shutdown?	<u>No</u>	(Yes/No)
Was the flare management plan followed?	<u>Yes</u>	(Yes/No/N/A)
Is the event exempt from a RC/CCA based on the answers above?	<u>No</u>	(Yes/No)

- If yes, skip section 5-7.

(5.) (60.108a(c)(6)(ix))

Root Cause Analysis: Describe in detail the Root Cause(s) of the Incident, to the extent determinable:**Did this discharge result from root causes identified in a previous analysis?** Yes (Yes/No)

Inspection of the heat exchanger revealed rapid Chloride corrosion on the outside diameter of the tubes, concentrated between the last two baffles. This was the result of the presence of Ammonium chloride and water in the shell side (stripper feed) of the exchanger. Though some chlorides are expected in this stream, water is not. Water carryover into this exchanger is likely the result of poor oil/water separation in the Cold Flash Drum due to the following possibilities:

- 1) An undersized water boot.
- 2) Increased wash water rate post HC revamp (wash water rate increased approximately 50%).
- 3) Fouled mesh blanket.

(6.)	(60.108a(c)(6)(ix))
Corrective Action Analysis: Include a description of the recommended corrective action(s) or an explanation of why corrective action is Is corrective action required? <u> No </u> (Yes/No) <i>1) Determine a maximum Ammonium Bisulfide concentration to set the minimum wash water injection rate upstream of HC-E-004 to reduce likelihood of water carryover in stripper feed stream, and determine adjusted corrosion rates.</i> <i>2) Review design of the Cold Flash Drum and generate MOCs and EWRs as needed to correct any deficiencies.</i> <i>3) Generate MOC or EWR to replace or upgrade mesh blanket in Cold Flash Drum.</i> <i>4) Order new HC-E-003 bundle for 2018. Evaluate possible metallurgy upgrade.</i> <i>5) Find an alternate location for the Flash Gas Scrubber KO Drum (HC-V-065) liquid and generate an EWR to reroute it.</i>	
(7.)	(60.108a(c)(6)(x))
Corrective Action Schedule: Include corrective actions already completed within the first 45 days following the discharge. For those not completed, provide a schedule for implementation, including proposed commencement and completion dates. <i>1) Determine a maximum Ammonium Bisulfide concentration to set the minimum wash water injection rate upstream of HC-E-004 to reduce likelihood of water carryover in stripper feed stream, and determine adjusted corrosion rates.</i> <i>Commencement Date: 1/5/17</i> <i>Estimated Completion Date: 3/31/17</i> <i>2) Review design of the Cold Flash Drum and generate MOCs and EWRs as needed to correct any deficiencies.</i> <i>Commencement Date: 1/5/17</i> <i>Estimated Completion Date: 1/1/18</i> <i>3) Generate MOC or EWR to replace or upgrade mesh blanket in Cold Flash Drum.</i> <i>Commencement Date: 1/5/17</i> <i>Estimated Completion Date: 1/1/18</i> <i>4) Order new HC-E-003 bundle for 2018. Evaluate possible metallurgy upgrade.</i> <i>Commencement Date: 1/5/17</i> <i>Estimated Completion Date: 1/1/18</i> <i>5) Find an alternate location for the Flash Gas Scrubber KO Drum (HC-V-065) liquid and generate an EWR to reroute it.</i> <i>Commencement Date: 1/5/17</i> <i>Estimated Completion Date: 5/18/18</i>	

(8.)

The measured or calculated cumulative quantity of gas discharged over the discharge duration.

Note: Measured sulfur concentrations are shown as flow-weighted averages if multiple measurement devices were used.

		(60.108a(c)(6)(iii))	(60.108a(c)(6)(iv))	(60.108a(c)(6)(vii))	(60.108a(c)(6)(vii))
First hour of 24-hr Period	Last hour of 24-hr Period	24-hr cumulative volume of flared gas above Baseline	TRS or H2S ppm (24-hr average, flow-weighted)	24-hr cumulative SO2	24-hr cumulative reduced sulfur
		SCF	ppmv	lbs	lbs as H2S
11/28/2016 14:00	11/29/2016 13:00	442,131	37895	53.9	0.3
11/28/2016 15:00	11/29/2016 14:00	1,747,430	38574	3555.9	19.1
11/28/2016 16:00	11/29/2016 15:00	3,384,372	39341	8518.0	45.8
11/28/2016 17:00	11/29/2016 16:00	4,864,786	39651	10331.7	55.5
11/28/2016 18:00	11/29/2016 17:00	6,137,194	39757	10868.4	58.4
11/28/2016 19:00	11/29/2016 18:00	6,621,544	39846	11038.1	59.3
11/28/2016 20:00	11/29/2016 19:00	6,637,905	39920	11042.9	59.3
11/28/2016 21:00	11/29/2016 20:00	6,665,046	39934	11044.4	59.3
11/28/2016 22:00	11/29/2016 21:00	6,687,899	39941	11045.1	59.4
11/28/2016 23:00	11/29/2016 22:00	6,721,724	39952	11046.5	59.4
11/29/2016 0:00	11/29/2016 23:00	6,866,231	39961	11051.3	59.4
11/29/2016 1:00	11/30/2016 0:00	6,964,842	39962	11052.0	59.4
11/29/2016 2:00	11/30/2016 1:00	7,042,602	39973	11055.3	59.4
11/29/2016 3:00	11/30/2016 2:00	7,137,068	39977	11056.7	59.4
11/29/2016 4:00	11/30/2016 3:00	7,223,966	39979	11057.3	59.4
11/29/2016 5:00	11/30/2016 4:00	7,246,471	39795	11030.9	59.3
11/29/2016 6:00	11/30/2016 5:00	7,219,344	39781	11027.1	59.3
11/29/2016 7:00	11/30/2016 6:00	7,249,132	39770	11025.9	59.2
11/29/2016 8:00	11/30/2016 7:00	7,594,364	39758	11025.0	59.2
11/29/2016 9:00	11/30/2016 8:00	7,906,155	39853	11182.7	60.1
11/29/2016 10:00	11/30/2016 9:00	8,111,141	40001	11373.4	61.1
11/29/2016 11:00	11/30/2016 10:00	8,402,137	39654	11477.9	61.7
11/29/2016 12:00	11/30/2016 11:00	8,767,134	2739	11598.5	62.3
11/29/2016 13:00	11/30/2016 12:00	9,129,514	2713	11674.3	62.7
11/29/2016 14:00	11/30/2016 13:00	9,443,967	2641	11711.4	62.9
11/29/2016 15:00	11/30/2016 14:00	8,453,648	1973	8222.9	44.2
11/29/2016 16:00	11/30/2016 15:00	7,244,608	1211	3269.3	17.6
11/29/2016 17:00	11/30/2016 16:00	6,028,272	904	1458.6	7.8
11/29/2016 18:00	11/30/2016 17:00	4,778,453	802	922.3	5.0
11/29/2016 19:00	11/30/2016 18:00	4,403,343	743	765.2	4.1
11/29/2016 20:00	11/30/2016 19:00	4,638,495	728	819.7	4.4
11/29/2016 21:00	11/30/2016 20:00	4,684,620	760	831.6	4.5
11/29/2016 22:00	11/30/2016 21:00	4,700,482	800	838.1	4.5
11/29/2016 23:00	11/30/2016 22:00	4,694,191	819	839.9	4.5
11/30/2016 0:00	11/30/2016 23:00	4,572,301	835	837.3	4.5
11/30/2016 1:00	12/1/2016 0:00	4,490,705	840	837.0	4.5
11/30/2016 2:00	12/1/2016 1:00	4,451,088	839	835.3	4.5
11/30/2016 3:00	12/1/2016 2:00	4,400,707	847	836.0	4.5
11/30/2016 4:00	12/1/2016 3:00	4,371,611	856	837.8	4.5
11/30/2016 5:00	12/1/2016 4:00	4,332,023	873	838.9	4.5
11/30/2016 6:00	12/1/2016 5:00	4,308,423	884	839.3	4.5
11/30/2016 7:00	12/1/2016 6:00	4,257,383	900	839.9	4.5
11/30/2016 8:00	12/1/2016 7:00	3,801,902	903	830.2	4.5
11/30/2016 9:00	12/1/2016 8:00	3,592,594	785	674.1	3.6
11/30/2016 10:00	12/1/2016 9:00	3,359,769	631	480.1	2.6
11/30/2016 11:00	12/1/2016 10:00	3,096,404	551	376.7	2.0
11/30/2016 12:00	12/1/2016 11:00	2,765,661	483	258.1	1.4
11/30/2016 13:00	12/1/2016 12:00	2,436,801	442	183.9	1.0
11/30/2016 14:00	12/1/2016 13:00	2,154,612	421	147.8	0.8
11/30/2016 15:00	12/1/2016 14:00	1,871,867	428	136.5	0.7
11/30/2016 16:00	12/1/2016 15:00	1,473,125	429	128.5	0.7

(8.)

The measured or calculated cumulative quantity of gas discharged over the discharge duration.

Note: Measured sulfur concentrations are shown as flow-weighted averages if multiple measurement devices were used.

		(60.108a(c)(6)(iii))	(60.108a(c)(6)(iv))	(60.108a(c)(6)(vii))	(60.108a(c)(6)(vii))
First hour of 24-hr Period	Last hour of 24-hr Period	24-hr cumulative volume of flared gas above Baseline	TRS or H2S ppm (24-hr average, flow-weighted)	24-hr cumulative SO2	24-hr cumulative reduced sulfur
		SCF	ppmv	lbs	lbs as H2S
11/30/2016 17:00	12/1/2016 16:00	1,238,898	474	131.4	0.7
11/30/2016 18:00	12/1/2016 17:00	1,216,310	469	130.9	0.7
11/30/2016 19:00	12/1/2016 18:00	1,107,070	440	118.3	0.6
11/30/2016 20:00	12/1/2016 19:00	855,557	380	58.9	0.3
11/30/2016 21:00	12/1/2016 20:00	782,290	334	45.6	0.2
11/30/2016 22:00	12/1/2016 21:00	743,575	287	38.4	0.2
11/30/2016 23:00	12/1/2016 22:00	716,041	257	35.2	0.2
12/1/2016 0:00	12/1/2016 23:00	693,425	233	33.0	0.2
12/1/2016 1:00	12/2/2016 0:00	676,409	227	32.6	0.2
12/1/2016 2:00	12/2/2016 1:00	638,266	216	31.0	0.2
12/1/2016 3:00	12/2/2016 2:00	594,181	205	29.0	0.2
12/1/2016 4:00	12/2/2016 3:00	536,379	194	26.5	0.1
12/1/2016 5:00	12/2/2016 4:00	517,036	176	25.1	0.1
12/1/2016 6:00	12/2/2016 5:00	502,803	164	24.4	0.1
12/1/2016 7:00	12/2/2016 6:00	478,861	143	22.4	0.1

Appendix B

Subpart Db, 40 CFR 60.49b(g)
and 60.49b(i)

60.49b(g)

Except as provided under paragraph (p) of this section, the owner or operator of an affected facility subject to the NOX standards under §60.44b shall maintain records of the following information for each steam generating unit operating day:

60.49b(g)(1)

Calendar date;

Provided in the attached tables.

60.49b(g)(2)

The average hourly NOx emission rates (expressed as NO₂) (ng/J or lb/MMBtu heat input) measured or predicted;

Provided in the attached tables.

60.49b(g)(3)

The 30-day average NOx 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;

Provided in the attached tables.

60.49b(g)(4)

Identification of the steam generating unit operating days when the calculated 30-day average NOx emission rates are in excess of the NOx emissions standards under §60.44b, with the reasons for such excess emissions as well as a description of corrective actions taken;

Provided in the attached tables.

60.49b(g)(5)

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;

Provided in the attached tables.

60.49b(g)(6)

Identification of the times when emission data have been excluded from the calculation of average emission rates and the reasons for excluding data;

Provided in the attached tables.

60.49b(g)(7)

Identification of “F” factor used for calculations, method of determination, and type of fuel combusted;

“F” factor used provided in attached tables. “F” factor is determined using Method 19 calculations on Refinery Fuel Gas, Gas Chromatograph analysis.

60.49b(g)(8)

Identification of the times when the pollutant concentration exceeded full span of the CEMS;

Provided in the attached tables if it ever were to occur.

60.49b(g)(9)

Description of any modifications to the CEMS that could affect the ability of the CEMS to comply with Performance Specification 2 or 3; and

The NOx/O₂ CEMS on Boiler B-5 (EPN 2-00, EQT 0030) and Boiler B-6 (EPN 3-00, EQT 0048) were not modified in any way during this reporting period.

60.49b(g)(10)

Results of daily CEMS drift tests and quarterly accuracy assessments as required under appendix F, Procedure 1 of this part.

Results of CEMS drift tests provided in the attached tables. Results of quarterly accuracy assessments are provided on the Data Assessment Report Pages of this report as follows:

Boiler B-5 (EPN 2-00, EQT 0030)	Page 44
Boiler B-6 (EPN 3-00, EQT 0048)	Page 45
Boiler TB-01 (EPN 1-06, EQT 0010)	Page 46

60.49b(i)

The owner or operator of any affected facility subject to the continuous monitoring requirements for NO_x under §60.48(b) shall submit reports containing the information recorded under paragraph (g) of this section.

60.49b(g)(10)	BOILER TB-01 NOx							BOILER TB-01 O2						
Date	Zero Calibration			Span Calibration				Zero Calibration			Span Calibration			
	Drift Readings			Calibration Gas		Drift Readings		Drift Readings			Calibration Gas		Drift Readings	
	Std.	Actual	Delta	Cylinder #	Std.	Actual	Delta	Std.	Actual	Delta	Cylinder #	Std.	Actual	Delta
	(ppm)	(ppm)	25.0		(ppm)	(ppm)	25.0	(%)	(%)	1		(%)	(%)	1
10/1/16	0	0	0	CC37363	414.7	406	-8.7	0	0.1	0.1	AGA-C132127	19.0	19.3	0.3
10/2/16	0	0	0	CC37363	414.7	408	-7.1	0	0.1	0.1	AGA-C132127	19.0	19.5	0.5
10/3/16	0	0	0	CC37363	414.7	404	-10.9	0	0.1	0.1	AGA-C132127	19.0	19.4	0.4
10/4/16	0	0	0	CC37363	414.7	407	-7.3	0	0.1	0.1	AGA-C132127	19.0	19.4	0.4
10/5/16	0	0	0	CC37363	414.7	406	-8.6	0	0.1	0.1	AGA-C132127	19.0	19.4	0.4
10/6/16	0	0	0	CC37363	414.7	405	-9.4	0	0.2	0.2	AGA-C132127	19.0	19.4	0.4
10/7/16	0	0	0	CC37363	414.7	404	-10.8	0	0.1	0.1	AGA-C132127	19.0	19.2	0.2
10/8/16	0	0	0	CC37363	414.7	403	-11.4	0	0.1	0.1	AGA-C132127	19.0	19.2	0.2
10/9/16	0	0	0	CC37363	414.7	406	-9.0	0	0.1	0.1	AGA-C132127	19.0	19.0	0.0
10/10/16	0	0	0	CC37363	414.7	406	-8.3	0	0.1	0.1	AGA-C132127	19.0	19.0	0.0
10/11/16	0	0	0	CC37363	414.7	407	-7.5	0	0.1	0.1	AGA-C132127	19.0	19.2	0.2
10/12/16	0	0	0	CC37363	414.7	408	-6.3	0	0.1	0.1	AGA-C132127	19.0	18.9	-0.1
10/13/16	0	0	0	CC37363	414.7	409	-5.7	0	0.1	0.1	AGA-C132127	19.0	18.7	-0.3
10/14/16	0	0	0	CC37363	414.7	409	-5.5	0	0.1	0.1	AGA-C132127	19.0	18.2	-0.8
10/15/16	0	0	0	CC37363	414.7	409	-6.1	0	0.1	0.1	AGA-C132127	19.0	18.7	-0.3
10/16/16	0	0	0	CC37363	414.7	398	-16.6	0	0.1	0.1	AGA-C132127	19.0	18.7	-0.3
10/17/16	0	0	0	CC37363	414.7	398	-17.0	0	0.1	0.1	AGA-C132127	19.0	18.0	-1.0
10/18/16	0	0	0	CC37363	414.7	398	-16.6	0	0.2	0.2	AGA-C132127	19.0	18.2	-0.8
10/19/16	0	0	0	CC37363	414.7	399	-16.1	0	0.1	0.1	AGA-C132127	19.0	18.4	-0.6
10/20/16	0	0	0	CC37363	414.7	400	-14.7	0	0.1	0.1	AGA-C132127	19.0	18.5	-0.5
10/21/16	0	0	0	CC37363	414.7	401	-13.2	0	0.2	0.2	AGA-C132127	19.0	18.4	-0.6
10/22/16	0	0	0	CC37363	414.7	406	-9.1	0	0.2	0.2	AGA-C132127	19.0	18.2	-0.8
10/23/16	0	0	0	CC37363	414.7	411	-4.1	0	0.2	0.2	AGA-C132127	19.0	18.2	-0.8
10/24/16	0	0	0	CC37363	414.7	411	-3.7	0	0.2	0.2	AGA-C132127	19.0	18.3	-0.7
10/25/16	0	0	0	CC37363	414.7	404	-10.3	0	0.1	0.1	AGA-C132127	19.0	18.7	-0.3
10/26/16	0	0	0	CC37363	414.7	410	-4.7	0	0.2	0.2	AGA-C132127	19.0	18.5	-0.5
10/27/16	0	0	0	CC37363	414.7	410	-4.3	0	0.2	0.2	AGA-C132127	19.0	18.5	-0.5
10/28/16	0	0	0	CC37363	414.7	410	-5.1	0	0.2	0.2	AGA-C132127	19.0	18.5	-0.5
10/29/16	0	0	0	CC37363	414.7	410	-4.8	0	0.2	0.2	AGA-C132127	19.0	18.7	-0.3
10/30/16	0	0	0	CC37363	414.7	409	-6.2	0	0.2	0.2	AGA-C132127	19.0	18.6	-0.4
10/31/16	0	0	0	CC37363	414.7	405	-9.3	0	0.2	0.2	AGA-C132127	19.0	18.2	-0.8
11/1/16	0	0	0	CC37363	414.7	408	-6.2	0	0.2	0.2	AGA-C132127	19.0	17.3	-1.7
				Not required				0	0.1	0.1	AGA-C132127	19.0	19.0	0.0
11/2/16	0	0	0	CC37363	414.7	416	1.5	0	0.0	0.0	AGA-C132127	19.0	18.4	-0.6
11/3/16	0	0	0	CC37363	414.7	416	0.8	0	0.0	0.0	AGA-C132127	19.0	17.4	-1.6
				Not required				0	0.0	0.0	AGA-C132127	19.0	19.2	0.2
11/4/16	0	0	0	CC37363	414.7	413	-1.4	0	0.1	0.1	AGA-C132127	19.0	17.9	-1.1
				Not required				0	0.3	0.3	AGA-C132127	19.0	18.9	-0.1
11/5/16	0	0	0	CC37363	414.7	412	-2.7	0	-0.2	-0.2	AGA-C132127	19.0	16.4	-2.6
				Not required				0	0.0	0.0	AGA-C132127	19.0	18.9	-0.1
11/6/16	0	0	0	CC37363	414.7	414	-0.7	0	-0.1	-0.1	AGA-C132127	19.0	15.4	-3.6
11/7/16	0	0	0	CC37363	414.7	411	-4.0	0	0.0	0.0	AGA-C132127	19.0	12.7	-6.3
11/8/16	0	0	0	CC37363	414.7	410	-4.2	0	0.5	0.5	AGA-C132127	19.0	19.2	0.2
11/9/16	0	0	0	CC37363	414.7	408	-6.5	0	0.7	0.7	AGA-C132127	19.0	19.3	0.3
11/10/16	0	0	0	CC37363	414.7	409	-6.2	0	0.0	0.0	AGA-C132127	19.0	19.2	0.2
11/11/16	0	0	0	CC37363	414.7	407	-7.9	0	0.0	0.0	AGA-C132127	19.0	18.9	-0.1
11/12/16	0	0	0	CC37363	414.7	402	-12.2	0	0.0	0.0	AGA-C132127	19.0	19.1	0.1
11/13/16	0	0	0	CC37363	414.7	403	-12.1	0	0.0	0.0	AGA-C132127	19.0	19.1	0.1
11/14/16	0	0	0	CC37363	414.7	407	-7.9	0	-0.1	-0.1	AGA-C132127	19.0	19.4	0.4
11/15/16	0	0	0	CC37363	414.7	404	-10.6	0	-0.1	-0.1	AGA-C132127	19.0	19.3	0.3
11/16/16	0	0	0	CC37363	414.7	405	-9.3	0	-0.1	-0.1	AGA-C132127	19.0	19.3	0.3
11/17/16	0	0	0	CC37363	414.7	410	-4.4	0	-0.1	-0.1	AGA-C132127	19.0	19.5	0.5

60.49b(g)(10)	BOILER TB-01 NOx							BOILER TB-01 O2						
Date	Zero Calibration			Span Calibration				Zero Calibration			Span Calibration			
	Drift Readings			Calibration Gas		Drift Readings		Drift Readings			Calibration Gas		Drift Readings	
	Std.	Actual	Delta	Cylinder #	Std.	Actual	Delta	Std.	Actual	Delta	Cylinder #	Std.	Actual	Delta
	(ppm)	(ppm)	25.0		(ppm)	(ppm)	25.0	(%)	(%)	1		(%)	(%)	1
11/18/16	0	0	0	CC37363	414.7	407	-7.3	0	-0.1	-0.1	AGA-C132127	19.0	19.5	0.5
11/19/16	0	0	0	CC37363	414.7	404	-10.3	0	0.2	0.2	AGA-C132127	19.0	19.7	0.7
11/20/16	0	0	0	CC37363	414.7	404	-10.6	0	0.4	0.4	AGA-C132127	19.0	19.0	0.0
11/21/16	0	0	0	CC37363	414.7	407	-8.0	0	0.0	0.0	AGA-C132127	19.0	19.3	0.3
11/22/16	0	0	0	CC37363	414.7	408	-7.0	0	0.0	0.0	AGA-C132127	19.0	19.4	0.4
11/23/16	0	0	0	CC37363	414.7	410	-4.9	0	-0.1	-0.1	AGA-C132127	19.0	19.5	0.5
11/24/16	0	0	0	CC37363	414.7	407	-7.2	0	0.0	0.0	AGA-C132127	19.0	19.5	0.5
11/25/16	0	0	0	CC37363	414.7	406	-8.2	0	0.0	0.0	AGA-C132127	19.0	19.3	0.3
11/26/16	0	0	0	CC37363	414.7	405	-9.5	0	0.1	0.1	AGA-C132127	19.0	19.4	0.4
11/27/16	0	0	0	CC37363	414.7	406	-8.9	0	0.1	0.1	AGA-C132127	19.0	19.3	0.3
11/28/16	0	0	0	CC37363	414.7	405	-9.3	0	-0.1	-0.1	AGA-C132127	19.0	19.4	0.4
11/29/16	0	0	0	CC37363	414.7	402	-13.0	0	0.0	0.0	AGA-C132127	19.0	19.4	0.4
11/30/16	0	0	0	CC37363	414.7	404	-11.2	0	-0.1	-0.1	AGA-C132127	19.0	19.4	0.4
12/1/16	0	0	0	CC37363	414.7	401	-13.4	0	0.1	0.1	AGA-C132127	19.0	19.1	0.1
12/2/16	0	0	0	CC37363	414.7	406	-8.9	0	-0.1	-0.1	AGA-C132127	19.0	19.4	0.4
12/3/16	0	0	0	CC37363	414.7	406	-9.1	0	0.0	0.0	AGA-C132127	19.0	19.3	0.3
12/4/16	0	0	0	CC37363	414.7	406	-8.7	0	-0.1	-0.1	AGA-C132127	19.0	19.5	0.5
12/5/16	0	0	0	CC37363	414.7	402	-12.6	0	0.0	0.0	AGA-C132127	19.0	19.2	0.2
12/6/16	0	0	0	CC37363	414.7	414	-0.4	0	0.1	0.1	AGA-C132127	19.0	19.1	0.1
12/7/16	0	0	0	CC37363	414.7	420	5.7	0	0.0	0.0	AGA-C132127	19.0	19.2	0.2
12/8/16	0	0	0	CC37363	414.7	420	5.4	0	0.1	0.1	AGA-C132127	19.0	19.2	0.2
12/9/16	0	0	0	CC37363	414.7	420	5.3	0	0.7	0.7	AGA-C132127	19.0	18.9	-0.1
12/10/16	0	0	0	CC37363	414.7	422	7.0	0	1.0	1.0	AGA-C132127	19.0	19.0	0.0
12/11/16	0	0	0	CC37363	414.7	422	6.8	0	0.1	0.1	AGA-C132127	19.0	19.3	0.3
12/12/16	0	0	0	CC37363	414.7	423	8.4	0	0.0	0.0	AGA-C132127	19.0	19.5	0.5
12/13/16	0	0	0	CC37363	414.7	420	4.9	0	0.1	0.1	AGA-C132127	19.0	19.3	0.3
12/14/16	0	0	0	CC37363	414.7	419	4.0	0	0.1	0.1	AGA-C132127	19.0	19.4	0.4
12/15/16	0	0	0	CC37363	414.7	416	1.7	0	0.8	0.8	AGA-C132127	19.0	19.2	0.2
12/16/16	0	0	0	CC37363	414.7	418	3.5	0	0.2	0.2	AGA-C132127	19.0	19.2	0.2
12/17/16	0	0	0	CC37363	414.7	420	5.4	0	0.0	0.0	AGA-C132127	19.0	19.4	0.4
12/18/16	0	0	0	CC37363	414.7	422	6.8	0	0.0	0.0	AGA-C132127	19.0	19.4	0.4
12/19/16	0	0	0	CC37363	414.7	418	3.4	0	0.2	0.2	AGA-C132127	19.0	19.0	0.0
12/20/16	0	0	0	CC37363	414.7	420	5.0	0	-0.1	-0.1	AGA-C132127	19.0	17.8	-1.2
	0	0	0	CC37363	414.7	418	3.4	0	0.1	0.1	AGA-C132127	19.0	19.2	0.2
12/21/16	0	0	0	CC37363	414.7	422	7.7	0	-1.2	-1.2	AGA-C132127	19.0	19.7	0.7
	0	1	1	CC37363	414.7	423	7.8	0	0.1	0.1	AGA-C132127	19.0	19.3	0.3
12/22/16	0	0	0	CC37363	414.7	423	8.0	0	0.1	0.1	AGA-C132127	19.0	19.7	0.7
12/23/16	0	0	0	CC37363	414.7	422	6.8	0	0.1	0.1	AGA-C132127	19.0	19.6	0.6
12/24/16	0	0	0	CC37363	414.7	422	7.0	0	0.1	0.1	AGA-C132127	19.0	19.7	0.7
12/25/16	0	0	0	CC37363	414.7	421	6.3	0	0.1	0.1	AGA-C132127	19.0	19.7	0.7
12/26/16	0	0	0	CC37363	414.7	426	11.1	0	0.1	0.1	AGA-C132127	19.0	19.8	0.8
12/27/16	0	0	0	CC37363	414.7	426	11.4	0	0.1	0.1	AGA-C132127	19.0	19.8	0.8
12/28/16	0	0	0	CC37363	414.7	422	7.3	0	0.1	0.1	AGA-C132127	19.0	19.8	0.8
12/29/16	0	0	0	CC37363	414.7	419	4.5	0	0.1	0.1	AGA-C132127	19.0	19.7	0.7
12/30/16	0	0	0	CC37363	414.7	417	2.5	0	0.1	0.1	AGA-C132127	19.0	19.3	0.3
12/31/16	0	0	0	CC37363	414.7	417	2.0	0	0.1	0.1	AGA-C132127	19.0	19.6	0.6

	Boiler TB-01 - NOx							
	NO _x (ppmd)	O ₂ (% vol)	C _d (lb/scf)	F _d (scf/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	Comments
60.49b(g)(1)				60.49b(g)(7)	60.49b(g)(2)	60.49b(g)(3)	60.49b(g)(3)	60.49b(g)(4), 60.49b(g)(5), 60.49b(g)(6), 60.49b(g)(8), 60.49b(g)(9)
DATE/TIME	CEM	CEM	Method 19 Table 19-1	Method 19	Method 19 Eq. 19-1	Daily Average	30-DRA Limit = 0.1	
	A1806.PV	A1808.PV						
10/1/16 00:00	17.41	8.95	0.00000208	8516	0.0310			
10/1/16 01:00	17.30	8.98	0.00000207	8516	0.0308			
10/1/16 02:00	17.04	9.03	0.00000203	8516	0.0305			
10/1/16 03:00	17.03	9.02	0.00000203	8516	0.0305			
10/1/16 04:00	17.04	9.01	0.00000203	8516	0.0305			
10/1/16 05:00	17.20	9.03	0.00000205	8516	0.0308			
10/1/16 06:00	17.46	8.90	0.00000208	8516	0.0309			
10/1/16 07:00	17.46	8.94	0.00000208	8516	0.0310			
10/1/16 08:00	16.91	9.07	0.00000202	8516	0.0304			
10/1/16 09:00	17.12	9.08	0.00000204	8516	0.0308			
10/1/16 10:00	17.88	9.12	0.00000213	8516	0.0323			
10/1/16 11:00	17.96	9.12	0.00000214	8516	0.0324			
10/1/16 12:00	17.94	9.10	0.00000214	8516	0.0323			
10/1/16 13:00	18.04	8.99	0.00000215	8516	0.0322			
10/1/16 14:00	18.17	8.94	0.00000217	8516	0.0323			
10/1/16 15:00	18.06	8.87	0.00000216	8516	0.0319			
10/1/16 16:00	18.04	8.99	0.00000215	8516	0.0322			
10/1/16 17:00	18.12	8.87	0.00000216	8516	0.0320			
10/1/16 18:00	17.84	8.87	0.00000213	8516	0.0315			
10/1/16 19:00	17.69	8.97	0.00000211	8516	0.0315			
10/1/16 20:00	17.13	8.99	0.00000204	8516	0.0306			
10/1/16 21:00	16.79	9.08	0.00000201	8516	0.0302			
10/1/16 22:00	16.80	9.03	0.00000201	8516	0.0301			
10/1/16 23:00	16.85	9.00	0.00000201	8516	0.0301	0.0312	0.0277	
10/2/16 00:00	17.43	9.00	0.00000208	8516	0.0311			
10/2/16 01:00	17.11	8.95	0.00000204	8516	0.0304			
10/2/16 02:00	16.78	9.01	0.00000200	8516	0.0300			
10/2/16 03:00	16.90	9.07	0.00000202	8516	0.0304			
10/2/16 04:00	16.89	9.07	0.00000202	8516	0.0303			
10/2/16 05:00	16.91	9.10	0.00000202	8516	0.0305			
10/2/16 06:00	16.89	8.96	0.00000202	8516	0.0301			
10/2/16 07:00	17.50	8.97	0.00000209	8516	0.0312			
10/2/16 08:00	16.84	9.45	0.00000201	8516	0.0312			
10/2/16 09:00	17.36	9.18	0.00000207	8516	0.0315			
10/2/16 10:00	17.56	9.12	0.00000210	8516	0.0317			
10/2/16 11:00	17.51	9.09	0.00000209	8516	0.0315			
10/2/16 12:00	17.42	9.11	0.00000208	8516	0.0314			
10/2/16 13:00	17.39	9.09	0.00000208	8516	0.0313			
10/2/16 14:00	17.67	9.09	0.00000211	8516	0.0318			
10/2/16 15:00	17.65	9.07	0.00000211	8516	0.0317			
10/2/16 16:00	17.47	9.13	0.00000209	8516	0.0316			
10/2/16 17:00	17.38	9.12	0.00000208	8516	0.0314			
10/2/16 18:00	17.24	9.06	0.00000206	8516	0.0309			
10/2/16 19:00	17.32	8.97	0.00000207	8516	0.0309			
10/2/16 20:00	17.04	8.96	0.00000203	8516	0.0303			
10/2/16 21:00	16.99	9.06	0.00000203	8516	0.0305			
10/2/16 22:00	16.86	9.07	0.00000201	8516	0.0303			
10/2/16 23:00	16.56	9.07	0.00000198	8516	0.0298	0.0309	0.0279	
10/3/16 00:00	16.46	9.07	0.00000197	8516	0.0296			
10/3/16 01:00	16.65	9.07	0.00000199	8516	0.0299			
10/3/16 02:00	16.32	9.08	0.00000195	8516	0.0293			
10/3/16 03:00	16.21	9.37	0.00000194	8516	0.0299			
10/3/16 04:00	16.12	9.48	0.00000192	8516	0.0300			
10/3/16 05:00	16.17	9.26	0.00000193	8516	0.0295			
10/3/16 06:00	16.49	9.03	0.00000197	8516	0.0295			
10/3/16 07:00	16.98	8.90	0.00000203	8516	0.0301			
10/3/16 08:00	16.76	9.01	0.00000200	8516	0.0300			
10/3/16 09:00	17.13	8.98	0.00000205	8516	0.0305			
10/3/16 10:00	17.42	9.03	0.00000208	8516	0.0312			
10/3/16 11:00	17.81	9.01	0.00000213	8516	0.0319			
10/3/16 12:00	17.75	9.00	0.00000212	8516	0.0317			
10/3/16 13:00	17.80	9.02	0.00000212	8516	0.0318			
10/3/16 14:00	17.71	9.04	0.00000211	8516	0.0317			
10/3/16 15:00	17.56	9.01	0.00000210	8516	0.0314			
10/3/16 16:00	17.56	8.93	0.00000210	8516	0.0312			
10/3/16 17:00	17.50	8.89	0.00000209	8516	0.0310			
10/3/16 18:00	16.87	8.86	0.00000201	8516	0.0298			
10/3/16 19:00	16.47	8.98	0.00000197	8516	0.0294			
10/3/16 20:00	16.19	8.95	0.00000193	8516	0.0288			
10/3/16 21:00	16.09	9.01	0.00000192	8516	0.0288			
10/3/16 22:00	16.49	8.95	0.00000197	8516	0.0293			
10/3/16 23:00	16.37	8.98	0.00000195	8516	0.0292	0.0302	0.0280	
10/4/16 00:00	16.53	8.97	0.00000197	8516	0.0295			
10/4/16 01:00	16.49	8.98	0.00000197	8516	0.0294			
10/4/16 02:00	16.20	9.06	0.00000193	8516	0.0291			
10/4/16 03:00	16.01	9.07	0.00000191	8516	0.0288			
10/4/16 04:00	15.76	9.07	0.00000188	8516	0.0283			
10/4/16 05:00	15.72	9.03	0.00000188	8516	0.0281			
10/4/16 06:00	15.97	8.94	0.00000191	8516	0.0284			
10/4/16 07:00	16.42	8.95	0.00000196	8516	0.0292			
10/4/16 08:00	15.89	9.03	0.00000190	8516	0.0284			
10/4/16 09:00	15.79	9.03	0.00000189	8516	0.0283			
10/4/16 10:00	15.65	9.17	0.00000187	8516	0.0283			
10/4/16 11:00	15.44	9.15	0.00000184	8516	0.0279			
10/4/16 12:00	15.45	9.10	0.00000185	8516	0.0278			

	Boiler TB-01 - NOx							
	NO _x (ppmd)	O ₂ (% vol)	C _d (lb/scf)	F _d (scf/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	Comments
60.49b(g)(1)				60.49b(g)(7)	60.49b(g)(2)	60.49b(g)(3)	60.49b(g)(3)	60.49b(g)(4), 60.49b(g)(5), 60.49b(g)(6), 60.49b(g)(8), 60.49b(g)(9)
DATE/TIME	CEM	CEM	Method 19 Table 19-1	Method 19	Method 19 Eq. 19-1	Daily Average	30-DRA Limit = 0.1	
10/4/16 13:00	15.31	9.14	0.00000183	8516	0.0277			
10/4/16 14:00	15.07	9.13	0.00000180	8516	0.0272			
10/4/16 15:00	15.05	9.15	0.00000180	8516	0.0272			
10/4/16 16:00	14.90	9.17	0.00000178	8516	0.0270			
10/4/16 17:00	15.23	9.13	0.00000182	8516	0.0275			
10/4/16 18:00	15.16	8.84	0.00000181	8516	0.0267			
10/4/16 19:00	15.25	8.71	0.00000182	8516	0.0266			
10/4/16 20:00	15.04	8.64	0.00000180	8516	0.0261			
10/4/16 21:00	15.06	8.72	0.00000180	8516	0.0263			
10/4/16 22:00	15.08	8.79	0.00000180	8516	0.0265			
10/4/16 23:00	15.21	8.73	0.00000182	8516	0.0266	0.0278	0.0280	
10/5/16 00:00	15.18	8.82	0.00000181	8516	0.0267			
10/5/16 01:00	14.99	8.82	0.00000179	8516	0.0264			
10/5/16 02:00	14.84	8.82	0.00000177	8516	0.0261			
10/5/16 03:00	14.89	8.98	0.00000178	8516	0.0265			
10/5/16 04:00	14.84	8.94	0.00000177	8516	0.0264			
10/5/16 05:00	14.78	8.89	0.00000176	8516	0.0262			
10/5/16 06:00	14.93	8.82	0.00000178	8516	0.0263			
10/5/16 07:00	15.15	8.65	0.00000181	8516	0.0263			
10/5/16 08:00	15.13	8.82	0.00000181	8516	0.0266			
10/5/16 09:00	14.99	8.86	0.00000179	8516	0.0267			
10/5/16 10:00	15.02	9.04	0.00000179	8516	0.0269			
10/5/16 11:00	15.04	9.05	0.00000180	8516	0.0270			
10/5/16 12:00	15.07	9.02	0.00000180	8516	0.0270			
10/5/16 13:00	15.04	9.02	0.00000180	8516	0.0269			
10/5/16 14:00	15.19	9.06	0.00000181	8516	0.0273			
10/5/16 15:00	15.47	8.98	0.00000185	8516	0.0276			
10/5/16 16:00	16.13	8.98	0.00000193	8516	0.0288			
10/5/16 17:00	16.25	8.84	0.00000194	8516	0.0286			
10/5/16 18:00	16.12	8.76	0.00000193	8516	0.0282			
10/5/16 19:00	16.20	8.71	0.00000193	8516	0.0282			
10/5/16 20:00	16.04	8.57	0.00000192	8516	0.0277			
10/5/16 21:00	15.85	8.71	0.00000189	8516	0.0276			
10/5/16 22:00	15.76	8.70	0.00000188	8516	0.0275			
10/5/16 23:00	15.77	8.64	0.00000188	8516	0.0273	0.0271	0.0280	
10/6/16 00:00	15.49	8.71	0.00000185	8516	0.0270			
10/6/16 01:00	15.53	8.73	0.00000185	8516	0.0271			
10/6/16 02:00	15.79	8.68	0.00000188	8516	0.0274			
10/6/16 03:00	15.78	8.79	0.00000188	8516	0.0277			
10/6/16 04:00	15.90	8.80	0.00000190	8519	0.0279			
10/6/16 05:00	16.11	8.75	0.00000192	8519	0.0282			
10/6/16 06:00	16.21	8.59	0.00000194	8519	0.0280			
10/6/16 07:00	16.29	8.55	0.00000195	8519	0.0281			
10/6/16 08:00	15.99	8.66	0.00000191	8519	0.0278			
10/6/16 09:00	15.74	8.77	0.00000188	8519	0.0276			
10/6/16 10:00	15.63	8.80	0.00000187	8519	0.0275			
10/6/16 11:00	15.42	8.83	0.00000184	8519	0.0272			
10/6/16 12:00	15.35	8.79	0.00000183	8519	0.0269			
10/6/16 13:00	15.07	8.86	0.00000180	8519	0.0266			
10/6/16 14:00	14.85	8.92	0.00000177	8519	0.0264			
10/6/16 15:00	14.96	8.87	0.00000179	8519	0.0264			
10/6/16 16:00	15.21	8.83	0.00000182	8519	0.0268			
10/6/16 17:00	15.30	8.88	0.00000183	8519	0.0271			
10/6/16 18:00	15.17	8.85	0.00000181	8519	0.0268			
10/6/16 19:00	15.25	8.77	0.00000182	8519	0.0267			
10/6/16 20:00	15.18	8.69	0.00000181	8519	0.0264			
10/6/16 21:00	15.14	8.80	0.00000181	8519	0.0266			
10/6/16 22:00	15.13	8.73	0.00000181	8519	0.0264			
10/6/16 23:00	15.15	8.72	0.00000181	8519	0.0264	0.0271	0.0280	
10/7/16 00:00	14.97	8.77	0.00000179	8519	0.0262			
10/7/16 01:00	14.95	8.72	0.00000179	8519	0.0261			
10/7/16 02:00	14.84	8.80	0.00000177	8519	0.0261			
10/7/16 03:00	14.79	8.91	0.00000177	8519	0.0262			
10/7/16 04:00	14.94	9.09	0.00000178	8519	0.0269			
10/7/16 05:00	15.13	8.96	0.00000181	8519	0.0269			
10/7/16 06:00	15.67	8.65	0.00000187	8519	0.0272			
10/7/16 07:00	16.06	8.69	0.00000192	8519	0.0280			
10/7/16 08:00	15.86	8.83	0.00000189	8519	0.0280			
10/7/16 09:00	16.00	8.79	0.00000191	8519	0.0281			
10/7/16 10:00	16.31	8.74	0.00000195	8519	0.0285			
10/7/16 11:00	16.40	8.82	0.00000196	8519	0.0288			
10/7/16 12:00	16.51	8.90	0.00000197	8519	0.0292			
10/7/16 13:00	16.27	8.92	0.00000194	8519	0.0289			
10/7/16 14:00	16.17	8.91	0.00000193	8519	0.0287			
10/7/16 15:00	16.40	8.93	0.00000196	8519	0.0291			
10/7/16 16:00	16.49	8.91	0.00000197	8519	0.0293			
10/7/16 17:00	16.72	8.89	0.00000200	8519	0.0296			
10/7/16 18:00	16.86	8.84	0.00000201	8519	0.0297			
10/7/16 19:00	16.99	8.77	0.00000203	8519	0.0298			
10/7/16 20:00	17.12	8.53	0.00000204	8519	0.0294			
10/7/16 21:00	17.07	8.65	0.00000204	8519	0.0296			
10/7/16 22:00	17.01	8.65	0.00000203	8519	0.0295			
10/7/16 23:00	16.99	8.59	0.00000203	8519	0.0293	0.0283	0.0280	
10/8/16 00:00	16.85	8.59	0.00000201	8519	0.0291			
10/8/16 01:00	17.08	8.66	0.00000204	8519	0.0297			
10/8/16 02:00	16.98	8.67	0.00000203	8519	0.0295			

	Boiler TB-01 - NOx							
	NO _x (ppmd)	O ₂ (% vol)	C _d (lb/scf)	F _d (scf/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	Comments
60.49b(g)(1)				60.49b(g)(7)	60.49b(g)(2)	60.49b(g)(3)	60.49b(g)(3)	60.49b(g)(4), 60.49b(g)(5), 60.49b(g)(6), 60.49b(g)(8), 60.49b(g)(9)
DATE/TIME	CEM	CEM	Method 19 Table 19-1	Method 19	Method 19 Eq. 19-1	Daily Average	30-DRA Limit = 0.1	
10/8/16 03:00	17.15	8.71	0.00000205	8519	0.0299			
10/8/16 04:00	17.17	8.71	0.00000205	8519	0.0300			
10/8/16 05:00	17.00	8.73	0.00000203	8519	0.0297			
10/8/16 06:00	17.24	8.63	0.00000206	8519	0.0299			
10/8/16 07:00	17.45	8.60	0.00000208	8519	0.0302			
10/8/16 08:00	17.20	8.72	0.00000205	8519	0.0300			
10/8/16 09:00	17.05	8.75	0.00000204	8519	0.0298			
10/8/16 10:00	17.14	8.71	0.00000205	8519	0.0299			
10/8/16 11:00	17.09	8.61	0.00000204	8519	0.0295			
10/8/16 12:00	16.90	8.60	0.00000202	8519	0.0292			
10/8/16 13:00	16.81	8.61	0.00000201	8519	0.0291			
10/8/16 14:00	16.79	8.60	0.00000200	8519	0.0290			
10/8/16 15:00	17.13	8.60	0.00000205	8519	0.0296			
10/8/16 16:00	17.20	8.57	0.00000205	8519	0.0297			
10/8/16 17:00	17.23	8.48	0.00000206	8519	0.0295			
10/8/16 18:00	17.33	8.60	0.00000207	8519	0.0299			
10/8/16 19:00	17.54	8.66	0.00000209	8519	0.0305			
10/8/16 20:00	17.65	8.60	0.00000211	8519	0.0305			
10/8/16 21:00	17.64	8.75	0.00000211	8519	0.0309			
10/8/16 22:00	17.80	8.81	0.00000212	8519	0.0313			
10/8/16 23:00	18.35	8.84	0.00000219	8519	0.0323	0.0299	0.0281	
10/9/16 00:00	18.61	8.81	0.00000222	8519	0.0327			
10/9/16 01:00	18.90	8.81	0.00000226	8519	0.0332			
10/9/16 02:00	18.89	8.79	0.00000226	8519	0.0332			
10/9/16 03:00	19.13	8.75	0.00000228	8519	0.0335			
10/9/16 04:00	19.13	8.73	0.00000228	8519	0.0334			
10/9/16 05:00	19.08	8.73	0.00000228	8519	0.0333			
10/9/16 06:00	19.40	8.58	0.00000232	8519	0.0335			
10/9/16 07:00	19.67	8.58	0.00000235	8519	0.0339			
10/9/16 08:00	19.35	8.73	0.00000231	8519	0.0338			
10/9/16 09:00	19.26	8.72	0.00000230	8519	0.0336			
10/9/16 10:00	19.12	8.73	0.00000228	8519	0.0334			
10/9/16 11:00	19.12	8.73	0.00000228	8519	0.0334			
10/9/16 12:00	18.93	8.79	0.00000226	8519	0.0332			
10/9/16 13:00	18.84	8.71	0.00000225	8519	0.0329			
10/9/16 14:00	18.90	8.73	0.00000226	8519	0.0330			
10/9/16 15:00	18.76	8.78	0.00000224	8519	0.0329			
10/9/16 16:00	18.60	8.78	0.00000222	8519	0.0326			
10/9/16 17:00	18.52	8.63	0.00000221	8519	0.0321			
10/9/16 18:00	18.32	8.64	0.00000219	8519	0.0318			
10/9/16 19:00	17.90	8.67	0.00000214	8519	0.0311			
10/9/16 20:00	17.96	8.49	0.00000214	8519	0.0308			
10/9/16 21:00	17.60	8.63	0.00000210	8519	0.0305			
10/9/16 22:00	17.79	8.63	0.00000212	8519	0.0308			
10/9/16 23:00	17.73	8.60	0.00000212	8519	0.0307	0.0326	0.0282	
10/10/16 00:00	17.66	8.60	0.00000211	8519	0.0305			
10/10/16 01:00	17.72	8.65	0.00000212	8519	0.0308			
10/10/16 02:00	17.74	8.66	0.00000212	8519	0.0308			
10/10/16 03:00	17.88	8.68	0.00000213	8519	0.0311			
10/10/16 04:00	17.61	8.74	0.00000210	8519	0.0308			
10/10/16 05:00	17.48	8.77	0.00000209	8519	0.0306			
10/10/16 06:00	17.54	8.61	0.00000209	8519	0.0303			
10/10/16 07:00	17.97	8.63	0.00000215	8519	0.0311			
10/10/16 08:00	17.57	8.75	0.00000210	8519	0.0307			
10/10/16 09:00	16.92	8.85	0.00000202	8519	0.0299			
10/10/16 10:00	16.61	8.90	0.00000198	8519	0.0294			
10/10/16 11:00	16.43	8.82	0.00000196	8519	0.0289			
10/10/16 12:00	16.09	8.77	0.00000192	8519	0.0282			
10/10/16 13:00	15.96	8.76	0.00000191	8519	0.0280			
10/10/16 14:00	16.25	8.80	0.00000194	8519	0.0286			
10/10/16 15:00	16.41	8.88	0.00000196	8519	0.0290			
10/10/16 16:00	16.74	8.85	0.00000200	8519	0.0295			
10/10/16 17:00	17.05	8.81	0.00000204	8519	0.0300			
10/10/16 18:00	17.07	8.63	0.00000204	8519	0.0296			
10/10/16 19:00	16.57	8.62	0.00000198	8519	0.0287			
10/10/16 20:00	16.58	8.57	0.00000198	8519	0.0286			
10/10/16 21:00	16.60	8.67	0.00000198	8519	0.0289			
10/10/16 22:00	16.66	8.68	0.00000199	8519	0.0290			
10/10/16 23:00	16.84	8.67	0.00000201	8519	0.0293	0.0297	0.0283	
10/11/16 00:00	16.96	8.64	0.00000203	8519	0.0294			
10/11/16 01:00	16.97	8.69	0.00000203	8519	0.0295			
10/11/16 02:00	17.05	8.67	0.00000204	8519	0.0296			
10/11/16 03:00	17.15	8.66	0.00000205	8519	0.0298			
10/11/16 04:00	17.03	8.75	0.00000203	8519	0.0298			
10/11/16 05:00	16.91	8.77	0.00000202	8519	0.0296			
10/11/16 06:00	17.27	8.68	0.00000206	8519	0.0301			
10/11/16 07:00	17.60	8.66	0.00000210	8519	0.0306			
10/11/16 08:00	17.51	8.71	0.00000209	8519	0.0305			
10/11/16 09:00	17.15	8.65	0.00000205	8519	0.0298			
10/11/16 10:00	16.89	8.71	0.00000202	8519	0.0295			
10/11/16 11:00	17.16	8.78	0.00000205	8519	0.0301			
10/11/16 12:00	17.09	8.78	0.00000204	8519	0.0300			
10/11/16 13:00	16.81	8.80	0.00000201	8519	0.0295			
10/11/16 14:00	16.38	8.81	0.00000196	8519	0.0288			
10/11/16 15:00	16.14	8.84	0.00000193	8519	0.0285			
10/11/16 16:00	15.89	8.91	0.00000190	8519	0.0282			

	Boiler TB-01 - NOx							Comments
	NO _x (ppmd)	O ₂ (% vol)	C _d (lb/scf)	F _d (scf/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	
60.49b(g)(1)				60.49b(g)(7)	60.49b(g)(2)	60.49b(g)(3)	60.49b(g)(3)	60.49b(g)(4), 60.49b(g)(5), 60.49b(g)(6), 60.49b(g)(8), 60.49b(g)(9)
DATE/TIME	CEM	CEM	Method 19 Table 19-1	Method 19	Method 19 Eq. 19-1	Daily Average	30-DRA Limit = 0.1	
10/11/16 17:00	15.97	8.88	0.00000191	8519	0.0282			
10/11/16 18:00	16.15	8.82	0.00000193	8519	0.0284			
10/11/16 19:00	16.22	8.74	0.00000194	8519	0.0283			
10/11/16 20:00	16.42	8.61	0.00000196	8519	0.0284			
10/11/16 21:00	16.39	8.75	0.00000196	8519	0.0287			
10/11/16 22:00	16.23	8.75	0.00000194	8519	0.0284			
10/11/16 23:00	16.32	8.78	0.00000195	8519	0.0286	0.0293	0.0284	
10/12/16 00:00	16.62	8.81	0.00000198	8519	0.0292			
10/12/16 01:00	16.80	8.78	0.00000201	8519	0.0295			
10/12/16 02:00	16.69	8.76	0.00000199	8519	0.0292			
10/12/16 03:00	16.63	8.77	0.00000199	8519	0.0291			
10/12/16 04:00	16.63	8.78	0.00000199	8519	0.0292			
10/12/16 05:00	16.51	8.81	0.00000197	8519	0.0290			
10/12/16 06:00	16.87	8.61	0.00000201	8519	0.0292			
10/12/16 07:00	17.01	8.53	0.00000203	8519	0.0292			
10/12/16 08:00	16.61	8.66	0.00000198	8519	0.0288			
10/12/16 09:00	16.69	8.70	0.00000199	8519	0.0291			
10/12/16 10:00	16.33	8.74	0.00000195	8519	0.0286			
10/12/16 11:00	16.23	8.75	0.00000194	8519	0.0284			
10/12/16 12:00	15.99	8.75	0.00000191	8519	0.0280			
10/12/16 13:00	16.04	8.78	0.00000191	8519	0.0281			
10/12/16 14:00	16.69	8.52	0.00000199	8519	0.0287			
10/12/16 15:00	17.53	8.26	0.00000209	8519	0.0295			
10/12/16 16:00	17.56	8.17	0.00000210	8519	0.0293			
10/12/16 17:00	17.18	8.06	0.00000205	8519	0.0285			
10/12/16 18:00	16.93	7.99	0.00000202	8519	0.0279			
10/12/16 19:00	16.89	8.01	0.00000202	8519	0.0279			
10/12/16 20:00	17.02	7.90	0.00000203	8519	0.0278			
10/12/16 21:00	16.97	8.04	0.00000203	8519	0.0280			
10/12/16 22:00	16.85	8.04	0.00000201	8519	0.0279			
10/12/16 23:00	16.91	8.03	0.00000202	8519	0.0279	0.0287	0.0284	
10/13/16 00:00	16.88	8.01	0.00000202	8519	0.0278			
10/13/16 01:00	16.88	8.02	0.00000202	8519	0.0279			
10/13/16 02:00	16.98	8.01	0.00000203	8519	0.0280			
10/13/16 03:00	17.33	7.98	0.00000207	8519	0.0285			
10/13/16 04:00	17.33	8.03	0.00000207	8529	0.0287			
10/13/16 05:00	16.94	8.07	0.00000202	8529	0.0281			
10/13/16 06:00	17.53	7.90	0.00000209	8529	0.0287			
10/13/16 07:00	17.96	7.80	0.00000214	8529	0.0292			
10/13/16 08:00	17.74	7.86	0.00000212	8529	0.0290			
10/13/16 09:00	18.30	7.93	0.00000218	8529	0.0300			
10/13/16 10:00	18.33	7.98	0.00000219	8529	0.0302			
10/13/16 11:00	18.31	7.95	0.00000219	8529	0.0301			
10/13/16 12:00	18.18	7.97	0.00000217	8529	0.0299			
10/13/16 13:00	18.14	7.99	0.00000217	8529	0.0299			
10/13/16 14:00	18.28	8.00	0.00000218	8529	0.0302			
10/13/16 15:00	18.77	7.88	0.00000224	8529	0.0307			
10/13/16 16:00	18.60	7.96	0.00000222	8529	0.0306			
10/13/16 17:00	18.22	7.95	0.00000218	8529	0.0300			
10/13/16 18:00	18.02	7.96	0.00000215	8529	0.0296			
10/13/16 19:00	17.65	8.04	0.00000211	8529	0.0292			
10/13/16 20:00	17.40	7.93	0.00000208	8529	0.0286			
10/13/16 21:00	17.23	8.06	0.00000206	8529	0.0286			
10/13/16 22:00	16.90	8.00	0.00000202	8529	0.0279			
10/13/16 23:00	16.70	7.98	0.00000199	8529	0.0275	0.0291	0.0285	
10/14/16 00:00	16.82	7.96	0.00000201	8529	0.0277			
10/14/16 01:00	16.79	7.94	0.00000200	8529	0.0276			
10/14/16 02:00	16.97	7.94	0.00000203	8529	0.0279			
10/14/16 03:00	17.05	7.91	0.00000204	8529	0.0279			
10/14/16 04:00	16.82	7.94	0.00000201	8529	0.0276			
10/14/16 05:00	16.89	7.90	0.00000202	8529	0.0276			
10/14/16 06:00	17.19	7.74	0.00000205	8529	0.0278			
10/14/16 07:00	17.53	7.70	0.00000209	8529	0.0283			
10/14/16 08:00	17.20	7.79	0.00000205	8529	0.0279			
10/14/16 09:00	16.90	7.83	0.00000202	8529	0.0275			
10/14/16 10:00	17.05	7.84	0.00000204	8529	0.0278			
10/14/16 11:00	17.35	7.87	0.00000207	8529	0.0284			
10/14/16 12:00	17.12	7.92	0.00000204	8529	0.0281			
10/14/16 13:00	16.97	7.91	0.00000203	8529	0.0278			
10/14/16 14:00	17.05	7.89	0.00000204	8529	0.0279			
10/14/16 15:00	17.26	7.88	0.00000206	8529	0.0282			
10/14/16 16:00	17.18	7.91	0.00000205	8529	0.0282			
10/14/16 17:00	16.92	7.91	0.00000202	8529	0.0277			
10/14/16 18:00	16.91	7.82	0.00000202	8529	0.0275			
10/14/16 19:00	16.64	7.79	0.00000199	8529	0.0270			
10/14/16 20:00	16.73	7.61	0.00000200	8529	0.0268			
10/14/16 21:00	16.53	7.70	0.00000197	8529	0.0267			
10/14/16 22:00	16.36	7.74	0.00000195	8529	0.0265			
10/14/16 23:00	16.37	7.72	0.00000195	8529	0.0264	0.0276	0.0285	
10/15/16 00:00	16.46	7.72	0.00000196	8529	0.0266			
10/15/16 01:00	16.50	7.70	0.00000197	8529	0.0266			
10/15/16 02:00	16.35	7.65	0.00000195	8529	0.0263			
10/15/16 03:00	16.24	7.60	0.00000194	8529	0.0260			
10/15/16 04:00	16.43	7.55	0.00000196	8529	0.0262			
10/15/16 05:00	16.43	7.53	0.00000196	8529	0.0262			
10/15/16 06:00	16.60	7.43	0.00000198	8529	0.0262			

	Boiler TB-01 - NOx							
	NO _x (ppmd)	O ₂ (% vol)	C _d (lb/scf)	F _d (scf/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	Comments
60.49b(g)(1)				60.49b(g)(7)	60.49b(g)(2)	60.49b(g)(3)	60.49b(g)(3)	60.49b(g)(4), 60.49b(g)(5), 60.49b(g)(6), 60.49b(g)(8), 60.49b(g)(9)
DATE/TIME	CEM	CEM	Method 19 Table 19-1	Method 19	Method 19 Eq. 19-1	Daily Average	30-DRA Limit = 0.1	
10/15/16 07:00	17.32	7.37	0.00000207	8529	0.0273			
10/15/16 08:00	16.73	7.50	0.00000200	8529	0.0266			
10/15/16 09:00	17.00	7.69	0.00000203	8529	0.0274			
10/15/16 10:00	39.68	7.56	0.00000474	8529	0.0633			
10/15/16 11:00	16.81	8.31	0.00000201	8529	0.0284			
10/15/16 12:00	16.06	8.28	0.00000192	8529	0.0271			
10/15/16 13:00	15.60	8.33	0.00000186	8529	0.0264			
10/15/16 14:00	15.83	8.36	0.00000189	8529	0.0269			
10/15/16 15:00	15.65	8.25	0.00000187	8529	0.0263			
10/15/16 16:00	15.41	8.31	0.00000184	8529	0.0260			
10/15/16 17:00	15.41	8.22	0.00000184	8529	0.0259			
10/15/16 18:00	15.43	8.23	0.00000184	8529	0.0259			
10/15/16 19:00	15.71	8.17	0.00000188	8529	0.0263			
10/15/16 20:00	15.81	7.99	0.00000189	8529	0.0261			
10/15/16 21:00	15.94	7.93	0.00000190	8529	0.0262			
10/15/16 22:00	15.93	7.96	0.00000190	8529	0.0262			
10/15/16 23:00	16.01	7.94	0.00000191	8529	0.0263	0.0280	0.0285	
10/16/16 00:00	16.12	7.86	0.00000193	8529	0.0263			
10/16/16 01:00	16.14	7.83	0.00000193	8529	0.0263			
10/16/16 02:00	16.23	8.00	0.00000194	8529	0.0268			
10/16/16 03:00	16.12	8.01	0.00000192	8529	0.0266			
10/16/16 04:00	16.02	7.86	0.00000191	8529	0.0261			
10/16/16 05:00	15.41	8.40	0.00000184	8529	0.0262			
10/16/16 06:00	15.45	8.58	0.00000184	8529	0.0267			
10/16/16 07:00	15.70	8.69	0.00000187	8529	0.0274			
10/16/16 08:00	15.37	8.68	0.00000184	8529	0.0268			
10/16/16 09:00	15.33	8.64	0.00000183	8529	0.0266			
10/16/16 10:00	15.04	8.81	0.00000180	8529	0.0265			
10/16/16 11:00	15.11	8.78	0.00000180	8529	0.0265			
10/16/16 12:00	15.29	8.56	0.00000183	8529	0.0264			
10/16/16 13:00	15.63	8.50	0.00000187	8529	0.0268			
10/16/16 14:00	15.67	8.40	0.00000187	8529	0.0267			
10/16/16 15:00	15.43	8.44	0.00000184	8529	0.0263			
10/16/16 16:00	15.31	8.56	0.00000183	8529	0.0264			
10/16/16 17:00	15.36	8.63	0.00000183	8529	0.0266			
10/16/16 18:00	15.30	8.64	0.00000183	8529	0.0266			
10/16/16 19:00	15.01	8.62	0.00000179	8529	0.0260			
10/16/16 20:00	15.19	8.47	0.00000181	8529	0.0260			
10/16/16 21:00	15.02	8.53	0.00000179	8529	0.0258			
10/16/16 22:00	14.99	8.58	0.00000179	8529	0.0259			
10/16/16 23:00	14.93	8.60	0.00000178	8529	0.0258	0.0264	0.0285	
10/17/16 00:00	15.01	8.59	0.00000179	8529	0.0259			
10/17/16 01:00	14.99	8.61	0.00000179	8529	0.0260			
10/17/16 02:00	15.00	8.60	0.00000179	8529	0.0260			
10/17/16 03:00	14.94	8.56	0.00000178	8529	0.0258			
10/17/16 04:00	14.91	8.59	0.00000178	8529	0.0258			
10/17/16 05:00	14.97	8.57	0.00000179	8529	0.0258			
10/17/16 06:00	15.35	8.41	0.00000183	8529	0.0261			
10/17/16 07:00	16.01	8.38	0.00000191	8529	0.0272			
10/17/16 08:00	15.52	8.45	0.00000185	8529	0.0265			
10/17/16 09:00	15.41	8.48	0.00000184	8529	0.0264			
10/17/16 10:00	15.28	8.45	0.00000182	8529	0.0261			
10/17/16 11:00	15.32	8.46	0.00000183	8529	0.0262			
10/17/16 12:00	15.27	8.41	0.00000182	8529	0.0260			
10/17/16 13:00	15.44	8.42	0.00000184	8529	0.0263			
10/17/16 14:00	15.64	8.43	0.00000187	8529	0.0267			
10/17/16 15:00	15.41	8.36	0.00000184	8529	0.0262			
10/17/16 16:00	15.41	8.33	0.00000184	8529	0.0261			
10/17/16 17:00	14.78	8.46	0.00000177	8529	0.0253			
10/17/16 18:00	14.93	8.53	0.00000178	8529	0.0257			
10/17/16 19:00	14.90	8.54	0.00000178	8529	0.0257			
10/17/16 20:00	14.96	8.42	0.00000179	8529	0.0255			
10/17/16 21:00	14.83	8.57	0.00000177	8529	0.0256			
10/17/16 22:00	14.84	8.60	0.00000177	8529	0.0257			
10/17/16 23:00	14.83	8.59	0.00000177	8529	0.0257	0.0260	0.0285	
10/18/16 00:00	14.95	8.58	0.00000178	8529	0.0258			
10/18/16 01:00	14.78	8.59	0.00000177	8529	0.0256			
10/18/16 02:00	14.83	8.56	0.00000177	8529	0.0256			
10/18/16 03:00	14.79	8.56	0.00000177	8529	0.0255			
10/18/16 04:00	14.82	8.53	0.00000177	8529	0.0255			
10/18/16 05:00	14.84	8.47	0.00000177	8529	0.0254			
10/18/16 06:00	15.07	8.28	0.00000180	8529	0.0254			
10/18/16 07:00	15.22	8.34	0.00000182	8529	0.0258			
10/18/16 08:00	14.68	8.74	0.00000175	8529	0.0257			
10/18/16 09:00	15.14	9.10	0.00000181	8529	0.0273			
10/18/16 10:00	15.31	8.66	0.00000183	8529	0.0266			
10/18/16 11:00	15.01	8.35	0.00000179	8529	0.0255			
10/18/16 12:00	14.97	8.51	0.00000179	8529	0.0257			
10/18/16 13:00	14.96	8.57	0.00000179	8529	0.0258			
10/18/16 14:00	14.82	8.64	0.00000177	8529	0.0257			
10/18/16 15:00	14.16	8.39	0.00000169	8529	0.0241			
10/18/16 16:00	14.07	8.50	0.00000168	8529	0.0242			
10/18/16 17:00	14.12	8.46	0.00000169	8529	0.0242			
10/18/16 18:00	14.17	8.48	0.00000169	8529	0.0243			
10/18/16 19:00	14.31	8.47	0.00000171	8529	0.0245			
10/18/16 20:00	14.57	8.30	0.00000174	8529	0.0246			

	Boiler TB-01 - NOx							Comments
	NO _x (ppmd)	O ₂ (% vol)	C _d (lb/scf)	F _d (scf/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	
60.49b(g)(1)				60.49b(g)(7)	60.49b(g)(2)	60.49b(g)(3)	60.49b(g)(3)	60.49b(g)(4), 60.49b(g)(5), 60.49b(g)(6), 60.49b(g)(8), 60.49b(g)(9)
DATE/TIME	CEM	CEM	Method 19 Table 19-1	Method 19	Method 19 Eq. 19-1	Daily Average	30-DRA Limit = 0.1	
10/18/16 21:00	14.38	8.45	0.00000172	8529	0.0246			
10/18/16 22:00	14.45	8.46	0.00000173	8529	0.0247			
10/18/16 23:00	14.43	8.54	0.00000172	8529	0.0248	0.0253	0.0285	
10/19/16 00:00	14.46	8.58	0.00000173	8529	0.0250			
10/19/16 01:00	14.36	8.60	0.00000171	8529	0.0249			
10/19/16 02:00	14.42	8.59	0.00000172	8529	0.0249			
10/19/16 03:00	14.48	8.61	0.00000173	8529	0.0251			
10/19/16 04:00	14.47	8.61	0.00000173	8529	0.0251			
10/19/16 05:00	14.62	8.53	0.00000175	8529	0.0252			
10/19/16 06:00	14.86	8.51	0.00000177	8529	0.0255			
10/19/16 07:00	15.07	8.58	0.00000180	8529	0.0260			
10/19/16 08:00	14.71	8.71	0.00000176	8529	0.0257			
10/19/16 09:00	14.76	8.67	0.00000176	8529	0.0257			
10/19/16 10:00			0.00000000	8529				CEMS Data Excluded. Cylinder Gas Audit.
10/19/16 11:00	15.14	8.47	0.00000181	8529	0.0259			
10/19/16 12:00	15.15	8.47	0.00000181	8529	0.0259			
10/19/16 13:00	15.17	8.46	0.00000181	8529	0.0260			
10/19/16 14:00	15.18	8.46	0.00000181	8529	0.0260			
10/19/16 15:00	15.19	8.46	0.00000181	8529	0.0260			
10/19/16 16:00	15.21	8.46	0.00000182	8529	0.0260			
10/19/16 17:00	15.22	8.45	0.00000182	8529	0.0260			
10/19/16 18:00	15.24	8.45	0.00000182	8529	0.0260			
10/19/16 19:00	15.25	8.45	0.00000182	8529	0.0261			
10/19/16 20:00	15.22	8.45	0.00000182	8529	0.0260			
10/19/16 21:00	15.00	8.63	0.00000179	8529	0.0260			
10/19/16 22:00	15.11	8.67	0.00000180	8529	0.0263			
10/19/16 23:00	15.05	8.63	0.00000180	8529	0.0261	0.0257	0.0285	
10/20/16 00:00	15.00	8.71	0.00000179	8529	0.0262			
10/20/16 01:00	14.96	8.70	0.00000179	8529	0.0261			
10/20/16 02:00	14.95	8.64	0.00000179	8529	0.0260			
10/20/16 03:00	15.01	8.59	0.00000179	8529	0.0260			
10/20/16 04:00	14.90	8.59	0.00000178	8515	0.0257			
10/20/16 05:00	14.93	8.56	0.00000178	8515	0.0257			
10/20/16 06:00	14.87	8.67	0.00000178	8515	0.0258			
10/20/16 07:00	15.07	8.37	0.00000180	8515	0.0256			
10/20/16 08:00	14.76	8.42	0.00000176	8515	0.0251			
10/20/16 09:00	14.88	8.54	0.00000178	8515	0.0256			
10/20/16 10:00	15.20	8.56	0.00000181	8515	0.0262			
10/20/16 11:00	15.33	8.60	0.00000183	8515	0.0265			
10/20/16 12:00	15.50	8.53	0.00000185	8515	0.0266			
10/20/16 13:00	15.21	8.41	0.00000182	8515	0.0259			
10/20/16 14:00	15.62	8.03	0.00000186	8515	0.0258			
10/20/16 15:00	15.50	8.02	0.00000185	8515	0.0256			
10/20/16 16:00	15.49	7.96	0.00000185	8515	0.0254			
10/20/16 17:00	15.71	7.94	0.00000188	8515	0.0258			
10/20/16 18:00	15.63	7.92	0.00000187	8515	0.0256			
10/20/16 19:00	15.70	7.89	0.00000187	8515	0.0256			
10/20/16 20:00	15.68	8.03	0.00000187	8515	0.0259			
10/20/16 21:00	15.64	8.08	0.00000187	8515	0.0259			
10/20/16 22:00	15.70	8.10	0.00000187	8515	0.0261			
10/20/16 23:00	15.32	8.16	0.00000183	8515	0.0255	0.0258	0.0284	
10/21/16 00:00	15.31	8.47	0.00000183	8515	0.0262			
10/21/16 01:00	15.51	8.89	0.00000185	8515	0.0275			
10/21/16 02:00	16.21	8.76	0.00000194	8515	0.0284			
10/21/16 03:00	16.77	8.57	0.00000200	8515	0.0289			
10/21/16 04:00	16.86	8.44	0.00000201	8515	0.0287			
10/21/16 05:00	17.10	8.38	0.00000204	8515	0.0290			
10/21/16 06:00	17.45	8.21	0.00000208	8515	0.0292			
10/21/16 07:00	17.77	8.19	0.00000212	8515	0.0297			
10/21/16 08:00	17.57	8.31	0.00000210	8515	0.0296			
10/21/16 09:00	17.66	8.30	0.00000211	8515	0.0298			
10/21/16 10:00	18.01	8.26	0.00000215	8515	0.0303			
10/21/16 11:00	18.12	8.22	0.00000216	8515	0.0304			
10/21/16 12:00	18.23	8.25	0.00000218	8515	0.0306			
10/21/16 13:00	18.44	8.21	0.00000220	8515	0.0309			
10/21/16 14:00	18.87	8.14	0.00000225	8515	0.0314			
10/21/16 15:00	18.96	8.13	0.00000226	8515	0.0316			
10/21/16 16:00	18.89	8.16	0.00000226	8515	0.0315			
10/21/16 17:00	18.62	8.42	0.00000222	8515	0.0317			
10/21/16 18:00	18.73	8.29	0.00000224	8515	0.0316			
10/21/16 19:00	18.90	8.19	0.00000226	8515	0.0316			
10/21/16 20:00	18.66	8.32	0.00000223	8515	0.0315			
10/21/16 21:00	18.67	8.28	0.00000223	8515	0.0314			
10/21/16 22:00	18.64	8.28	0.00000223	8515	0.0314			
10/21/16 23:00	18.38	8.31	0.00000219	8515	0.0310	0.0302	0.0285	
10/22/16 00:00	18.43	8.31	0.00000220	8515	0.0311			
10/22/16 01:00	18.43	8.33	0.00000220	8515	0.0312			
10/22/16 02:00	18.57	8.32	0.00000222	8515	0.0313			
10/22/16 03:00	18.73	8.30	0.00000224	8515	0.0316			
10/22/16 04:00	18.61	8.32	0.00000222	8515	0.0314			
10/22/16 05:00	18.69	8.37	0.00000223	8515	0.0317			
10/22/16 06:00	18.89	8.34	0.00000226	8515	0.0320			
10/22/16 07:00	19.15	8.36	0.00000229	8515	0.0324			
10/22/16 08:00	19.02	8.45	0.00000227	8515	0.0325			
10/22/16 09:00	19.03	8.45	0.00000227	8515	0.0325			
10/22/16 10:00	18.83	8.53	0.00000225	8515	0.0323			

	Boiler TB-01 - NOx							Comments
	NO _x (ppmd)	O ₂ (% vol)	C _d (lb/scf)	F _d (scf/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	
60.49b(g)(1)				60.49b(g)(7)	60.49b(g)(2)	60.49b(g)(3)	60.49b(g)(3)	60.49b(g)(4), 60.49b(g)(5), 60.49b(g)(6), 60.49b(g)(8), 60.49b(g)(9)
DATE/TIME	CEM	CEM	Method 19 Table 19-1	Method 19	Method 19 Eq. 19-1	Daily Average	30-DRA Limit = 0.1	
10/22/16 11:00	18.83	8.51	0.00000225	8515	0.0323			
10/22/16 12:00	19.03	8.47	0.00000227	8515	0.0325			
10/22/16 13:00	19.06	8.47	0.00000228	8515	0.0326			
10/22/16 14:00	19.08	8.47	0.00000228	8515	0.0326			
10/22/16 15:00	19.16	8.41	0.00000229	8515	0.0326			
10/22/16 16:00	19.10	8.34	0.00000228	8515	0.0323			
10/22/16 17:00	19.15	8.26	0.00000229	8515	0.0322			
10/22/16 18:00	18.98	8.30	0.00000227	8515	0.0320			
10/22/16 19:00	18.30	8.24	0.00000218	8515	0.0307			
10/22/16 20:00	17.79	8.33	0.00000212	8515	0.0301			
10/22/16 21:00	17.73	8.39	0.00000212	8515	0.0301			
10/22/16 22:00	17.80	8.38	0.00000213	8515	0.0302			
10/22/16 23:00	17.63	8.42	0.00000210	8515	0.0300	0.0317	0.0286	
10/23/16 00:00	17.51	8.42	0.00000209	8515	0.0298			
10/23/16 01:00	17.59	8.42	0.00000210	8515	0.0300			
10/23/16 02:00	17.60	8.42	0.00000210	8515	0.0300			
10/23/16 03:00	17.65	8.43	0.00000211	8515	0.0301			
10/23/16 04:00	17.61	8.46	0.00000210	8515	0.0301			
10/23/16 05:00	17.84	8.45	0.00000213	8515	0.0305			
10/23/16 06:00	18.34	8.31	0.00000219	8515	0.0310			
10/23/16 07:00	18.59	8.34	0.00000222	8515	0.0314			
10/23/16 08:00	18.35	8.58	0.00000219	8515	0.0316			
10/23/16 09:00	18.43	8.53	0.00000220	8515	0.0317			
10/23/16 10:00	18.39	8.45	0.00000220	8515	0.0314			
10/23/16 11:00	18.59	8.47	0.00000222	8515	0.0318			
10/23/16 12:00	18.14	8.48	0.00000217	8515	0.0310			
10/23/16 13:00	18.03	8.44	0.00000215	8515	0.0308			
10/23/16 14:00	17.99	8.43	0.00000215	8515	0.0307			
10/23/16 15:00	17.90	8.42	0.00000214	8515	0.0305			
10/23/16 16:00	17.63	8.45	0.00000210	8515	0.0301			
10/23/16 17:00	17.70	8.37	0.00000211	8515	0.0300			
10/23/16 18:00	17.45	8.31	0.00000208	8515	0.0295			
10/23/16 19:00	17.51	8.23	0.00000209	8515	0.0294			
10/23/16 20:00	17.46	8.31	0.00000209	8515	0.0295			
10/23/16 21:00	17.46	8.33	0.00000208	8515	0.0295			
10/23/16 22:00	17.42	8.39	0.00000208	8515	0.0296			
10/23/16 23:00	17.33	8.38	0.00000207	8515	0.0294	0.0304	0.0287	
10/24/16 00:00	17.15	8.34	0.00000205	8515	0.0290			
10/24/16 01:00	17.09	8.33	0.00000204	8515	0.0289			
10/24/16 02:00	16.91	8.34	0.00000202	8515	0.0286			
10/24/16 03:00	16.80	8.34	0.00000201	8515	0.0284			
10/24/16 04:00	16.80	8.38	0.00000201	8515	0.0285			
10/24/16 05:00	16.83	8.34	0.00000201	8515	0.0285			
10/24/16 06:00	17.23	8.17	0.00000206	8515	0.0288			
10/24/16 07:00	17.72	8.27	0.00000212	8515	0.0298			
10/24/16 08:00	16.74	8.94	0.00000200	8515	0.0297			
10/24/16 09:00	17.16	8.99	0.00000205	8515	0.0306			
10/24/16 10:00	17.46	8.98	0.00000208	8515	0.0311			
10/24/16 11:00	17.67	8.88	0.00000211	8515	0.0312			
10/24/16 12:00	17.88	8.84	0.00000213	8515	0.0315			
10/24/16 13:00	17.89	8.87	0.00000214	8515	0.0316			
10/24/16 14:00	17.63	8.82	0.00000211	8515	0.0310			
10/24/16 15:00	17.67	8.75	0.00000211	8515	0.0309			
10/24/16 16:00	17.74	8.80	0.00000212	8515	0.0312			
10/24/16 17:00	17.55	8.70	0.00000210	8515	0.0306			
10/24/16 18:00	17.06	8.54	0.00000204	8515	0.0293			
10/24/16 19:00	17.46	8.39	0.00000209	8515	0.0297			
10/24/16 20:00	17.05	8.54	0.00000204	8515	0.0293			
10/24/16 21:00	16.81	8.58	0.00000201	8515	0.0290			
10/24/16 22:00	16.61	8.70	0.00000198	8515	0.0289			
10/24/16 23:00	16.62	8.63	0.00000198	8515	0.0288	0.0298	0.0288	
10/25/16 00:00	16.85	8.61	0.00000201	8515	0.0291			
10/25/16 01:00	17.26	8.28	0.00000206	8515	0.0291			
10/25/16 02:00	17.43	8.05	0.00000208	8515	0.0288			
10/25/16 03:00	18.64	7.20	0.00000223	8515	0.0289			
10/25/16 04:00	18.67	6.98	0.00000223	8515	0.0285			
10/25/16 05:00	17.43	8.05	0.00000208	8515	0.0288			
10/25/16 06:00	16.96	8.80	0.00000203	8515	0.0298			
10/25/16 07:00	17.23	8.97	0.00000206	8515	0.0307			
10/25/16 08:00	17.63	8.51	0.00000211	8515	0.0302			
10/25/16 09:00	17.61	8.40	0.00000210	8515	0.0299			
10/25/16 10:00	17.69	8.34	0.00000211	8515	0.0299			
10/25/16 11:00	17.95	8.39	0.00000214	8515	0.0305			
10/25/16 12:00	18.52	8.47	0.00000221	8515	0.0316			
10/25/16 13:00	18.90	8.46	0.00000226	8515	0.0323			
10/25/16 14:00	18.78	8.41	0.00000224	8515	0.0320			
10/25/16 15:00	18.51	8.46	0.00000221	8515	0.0316			
10/25/16 16:00	18.40	8.49	0.00000220	8515	0.0315			
10/25/16 17:00	18.28	8.36	0.00000218	8515	0.0310			
10/25/16 18:00	17.98	8.37	0.00000215	8515	0.0305			
10/25/16 19:00	17.63	8.28	0.00000210	8515	0.0297			
10/25/16 20:00	17.34	8.38	0.00000207	8515	0.0294			
10/25/16 21:00	17.27	8.39	0.00000206	8515	0.0293			
10/25/16 22:00	17.27	8.39	0.00000206	8515	0.0293			
10/25/16 23:00	17.14	8.38	0.00000205	8515	0.0291	0.0301	0.0289	
10/26/16 00:00	16.92	8.37	0.00000202	8515	0.0287			

	Boiler TB-01 - NOx							
	NO _x (ppmd)	O ₂ (% vol)	C _d (lb/scf)	F _d (scf/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	Comments
60.49b(g)(1)				60.49b(g)(7)	60.49b(g)(2)	60.49b(g)(3)	60.49b(g)(3)	60.49b(g)(4), 60.49b(g)(5), 60.49b(g)(6), 60.49b(g)(8), 60.49b(g)(9)
DATE/TIME	CEM	CEM	Method 19 Table 19-1	Method 19	Method 19 Eq. 19-1	Daily Average	30-DRA Limit = 0.1	
10/26/16 01:00	17.10	8.41	0.00000204	8515	0.0291			
10/26/16 02:00	17.14	8.39	0.00000205	8515	0.0291			
10/26/16 03:00	17.01	8.32	0.00000203	8515	0.0287			
10/26/16 04:00	16.92	8.25	0.00000202	8515	0.0284			
10/26/16 05:00	16.88	8.28	0.00000202	8515	0.0284			
10/26/16 06:00	17.24	8.17	0.00000206	8515	0.0288			
10/26/16 07:00	18.03	8.19	0.00000215	8515	0.0302			
10/26/16 08:00	18.10	8.34	0.00000216	8515	0.0306			
10/26/16 09:00	18.11	8.44	0.00000216	8515	0.0309			
10/26/16 10:00	17.59	8.53	0.00000210	8515	0.0302			
10/26/16 11:00	17.32	8.45	0.00000207	8515	0.0296			
10/26/16 12:00	17.21	8.37	0.00000206	8515	0.0292			
10/26/16 13:00	17.51	8.26	0.00000209	8515	0.0294			
10/26/16 14:00	17.52	8.21	0.00000209	8515	0.0293			
10/26/16 15:00	17.16	8.25	0.00000205	8515	0.0288			
10/26/16 16:00	16.96	8.32	0.00000203	8515	0.0287			
10/26/16 17:00	16.87	8.34	0.00000201	8515	0.0285			
10/26/16 18:00	16.76	8.35	0.00000200	8515	0.0284			
10/26/16 19:00	16.84	8.27	0.00000201	8515	0.0283			
10/26/16 20:00	16.53	8.31	0.00000197	8515	0.0279			
10/26/16 21:00	16.66	8.28	0.00000199	8515	0.0280			
10/26/16 22:00	16.65	8.27	0.00000199	8515	0.0280			
10/26/16 23:00	16.62	8.24	0.00000198	8515	0.0279	0.0290	0.0289	
10/27/16 00:00	16.38	8.32	0.00000196	8515	0.0277			
10/27/16 01:00	16.35	8.34	0.00000195	8515	0.0277			
10/27/16 02:00	16.31	8.36	0.00000195	8515	0.0276			
10/27/16 03:00	16.22	8.38	0.00000194	8515	0.0275			
10/27/16 04:00	16.16	8.26	0.00000193	8517	0.0272			
10/27/16 05:00	16.12	8.18	0.00000192	8517	0.0269			
10/27/16 06:00	16.36	8.17	0.00000195	8517	0.0273			
10/27/16 07:00	16.88	8.04	0.00000202	8517	0.0279			
10/27/16 08:00	16.31	8.24	0.00000195	8517	0.0274			
10/27/16 09:00	18.54	6.32	0.00000221	8517	0.0270			
10/27/16 10:00	20.48	4.96	0.00000245	8517	0.0273			
10/27/16 11:00	20.47	4.98	0.00000244	8517	0.0273			
10/27/16 12:00	20.46	4.96	0.00000244	8517	0.0273			
10/27/16 13:00	2.87	18.43	0.00000034	8517				Boiler shutdown 13:08.
10/27/16 14:00	0.00	20.56	0.00000000	8517				
10/27/16 15:00	0.00	20.57	0.00000000	8517				
10/27/16 16:00	0.00	20.57	0.00000000	8517				
10/27/16 17:00	0.00	20.60	0.00000000	8517				
10/27/16 18:00	9.98	13.65	0.00000119	8517	0.0292			Boiler start up 18:08
10/27/16 19:00	15.59	9.36	0.00000186	8517	0.0287			
10/27/16 20:00	15.39	9.06	0.00000184	8517	0.0276			
10/27/16 21:00	15.02	9.17	0.00000179	8517	0.0272			
10/27/16 22:00	15.25	9.12	0.00000182	8517	0.0275			
10/27/16 23:00	15.31	9.15	0.00000183	8517	0.0277	0.0276	0.0289	
10/28/16 00:00	15.31	9.44	0.00000183	8517	0.0284			
10/28/16 01:00	15.34	9.21	0.00000183	8517	0.0279			
10/28/16 02:00	15.29	9.18	0.00000183	8517	0.0277			
10/28/16 03:00	15.34	9.15	0.00000183	8517	0.0278			
10/28/16 04:00	15.41	9.15	0.00000184	8517	0.0279			
10/28/16 05:00	15.37	9.19	0.00000184	8517	0.0279			
10/28/16 06:00	15.65	9.11	0.00000187	8517	0.0282			
10/28/16 07:00	16.18	8.85	0.00000193	8517	0.0285			
10/28/16 08:00	15.88	8.95	0.00000190	8517	0.0282			
10/28/16 09:00	15.90	8.94	0.00000190	8517	0.0283			
10/28/16 10:00	15.96	9.03	0.00000191	8517	0.0286			
10/28/16 11:00	15.86	9.16	0.00000189	8517	0.0287			
10/28/16 12:00	15.99	9.16	0.00000191	8517	0.0289			
10/28/16 13:00	16.12	9.16	0.00000192	8517	0.0292			
10/28/16 14:00	15.95	9.15	0.00000190	8517	0.0289			
10/28/16 15:00	16.14	9.11	0.00000193	8517	0.0291			
10/28/16 16:00			0.00000000	8517				CEMS Data Excluded. Cylinder Gas Audit.
10/28/16 17:00			0.00000000	8517				
10/28/16 18:00	16.09	9.12	0.00000192	8517	0.0290			
10/28/16 19:00	16.56	8.92	0.00000198	8517	0.0294			
10/28/16 20:00	17.02	8.78	0.00000203	8517	0.0298			
10/28/16 21:00	17.23	8.66	0.00000206	8517	0.0299			
10/28/16 22:00	17.02	8.74	0.00000203	8517	0.0297			
10/28/16 23:00	17.04	8.66	0.00000203	8517	0.0296	0.0287	0.0289	
10/29/16 00:00	16.80	8.61	0.00000201	8517	0.0290			
10/29/16 01:00	16.95	8.61	0.00000202	8517	0.0293			
10/29/16 02:00	17.02	8.59	0.00000203	8517	0.0294			
10/29/16 03:00	16.80	8.69	0.00000201	8517	0.0292			
10/29/16 04:00	16.59	8.69	0.00000198	8517	0.0289			
10/29/16 05:00	16.64	8.76	0.00000199	8517	0.0291			
10/29/16 06:00	17.21	8.63	0.00000205	8517	0.0298			
10/29/16 07:00	18.50	8.49	0.00000221	8517	0.0317			
10/29/16 08:00	17.99	8.58	0.00000215	8517	0.0310			
10/29/16 09:00	17.10	8.79	0.00000204	8517	0.0300			
10/29/16 10:00	17.07	8.91	0.00000204	8517	0.0303			
10/29/16 11:00	17.10	8.92	0.00000204	8517	0.0303			
10/29/16 12:00	17.03	8.89	0.00000203	8517	0.0301			
10/29/16 13:00	16.70	9.14	0.00000199	8517	0.0302			
10/29/16 14:00	16.44	9.22	0.00000196	8517	0.0299			

	Boiler TB-01 - NOx							
	NO _x (ppmd)	O ₂ (% vol)	C _d (lb/scf)	F _d (scf/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	Comments
60.49b(g)(1)				60.49b(g)(7)	60.49b(g)(2)	60.49b(g)(3)	60.49b(g)(3)	60.49b(g)(4), 60.49b(g)(5), 60.49b(g)(6), 60.49b(g)(8), 60.49b(g)(9)
DATE/TIME	CEM	CEM	Method 19 Table 19-1	Method 19	Method 19 Eq. 19-1	Daily Average	30-DRA Limit = 0.1	
10/29/16 15:00	16.40	9.19	0.00000196	8517	0.0298			
10/29/16 16:00	16.33	9.15	0.00000195	8517	0.0295			
10/29/16 17:00	16.11	9.22	0.00000192	8517	0.0293			
10/29/16 18:00	15.18	9.43	0.00000181	8517	0.0281			
10/29/16 19:00	15.35	9.19	0.00000183	8517	0.0279			
10/29/16 20:00	15.15	9.28	0.00000181	8517	0.0277			
10/29/16 21:00	15.22	9.15	0.00000182	8517	0.0275			
10/29/16 22:00	15.18	9.09	0.00000181	8517	0.0273			
10/29/16 23:00	15.40	9.09	0.00000184	8517	0.0277	0.0293	0.0289	
10/30/16 00:00	15.32	9.10	0.00000183	8517	0.0276			
10/30/16 01:00	15.34	9.09	0.00000183	8517	0.0276			
10/30/16 02:00	15.25	8.96	0.00000182	8517	0.0271			
10/30/16 03:00	15.17	9.01	0.00000181	8517	0.0271			
10/30/16 04:00	15.10	9.03	0.00000180	8517	0.0270			
10/30/16 05:00	14.99	9.09	0.00000179	8517	0.0270			
10/30/16 06:00	15.58	9.02	0.00000186	8517	0.0279			
10/30/16 07:00	16.47	8.92	0.00000197	8517	0.0292			
10/30/16 08:00	15.91	9.10	0.00000190	8517	0.0287			
10/30/16 09:00	15.66	9.05	0.00000187	8517	0.0281			
10/30/16 10:00	15.65	9.01	0.00000187	8517	0.0280			
10/30/16 11:00	16.26	9.00	0.00000194	8517	0.0290			
10/30/16 12:00	16.54	9.11	0.00000197	8517	0.0298			
10/30/16 13:00	16.41	9.09	0.00000196	8517	0.0295			
10/30/16 14:00	16.53	9.11	0.00000197	8517	0.0298			
10/30/16 15:00	16.72	9.05	0.00000200	8517	0.0300			
10/30/16 16:00	16.75	8.90	0.00000200	8517	0.0297			
10/30/16 17:00	16.61	8.77	0.00000198	8517	0.0291			
10/30/16 18:00	16.35	8.74	0.00000195	8517	0.0286			
10/30/16 19:00	15.81	8.73	0.00000189	8517	0.0276			
10/30/16 20:00	15.52	8.87	0.00000185	8517	0.0274			
10/30/16 21:00	15.56	8.88	0.00000186	8517	0.0275			
10/30/16 22:00	15.56	8.87	0.00000186	8517	0.0275			
10/30/16 23:00	15.60	8.87	0.00000186	8517	0.0276	0.0283	0.0287	
10/31/16 00:00	15.62	8.85	0.00000187	8517	0.0276			
10/31/16 01:00	15.66	8.82	0.00000187	8517	0.0276			
10/31/16 02:00	15.85	8.84	0.00000189	8517	0.0279			
10/31/16 03:00	15.83	8.83	0.00000189	8517	0.0279			
10/31/16 04:00	15.92	8.80	0.00000190	8517	0.0280			
10/31/16 05:00	15.59	8.79	0.00000186	8517	0.0274			
10/31/16 06:00	15.87	8.72	0.00000190	8517	0.0277			
10/31/16 07:00	16.34	8.70	0.00000195	8517	0.0285			
10/31/16 08:00	16.40	8.72	0.00000196	8517	0.0286			
10/31/16 09:00	16.02	8.68	0.00000191	8517	0.0279			
10/31/16 10:00	16.36	8.68	0.00000195	8517	0.0284			
10/31/16 11:00	16.73	8.67	0.00000200	8517	0.0291			
10/31/16 12:00	17.21	8.61	0.00000205	8517	0.0298			
10/31/16 13:00	17.24	8.62	0.00000206	8517	0.0298			
10/31/16 14:00	17.20	8.57	0.00000205	8517	0.0296			
10/31/16 15:00	17.08	8.51	0.00000204	8517	0.0293			
10/31/16 16:00	17.23	8.45	0.00000206	8517	0.0294			
10/31/16 17:00	16.67	8.47	0.00000199	8517	0.0285			
10/31/16 18:00	16.34	8.48	0.00000195	8517	0.0279			
10/31/16 19:00	16.13	8.45	0.00000193	8517	0.0275			
10/31/16 20:00	16.09	8.41	0.00000192	8517	0.0274			
10/31/16 21:00	15.94	8.44	0.00000190	8517	0.0272			
10/31/16 22:00	15.89	8.40	0.00000190	8517	0.0270			
10/31/16 23:00	15.92	8.41	0.00000190	8517	0.0271	0.0282	0.0286	
11/1/16 00:00	15.81	8.35	0.00000189	8517	0.0268			
11/1/16 01:00	15.81	8.37	0.00000189	8517	0.0268			
11/1/16 02:00	15.84	8.38	0.00000189	8517	0.0269			
11/1/16 03:00	15.97	8.38	0.00000191	8517	0.0271			
11/1/16 04:00	15.90	8.28	0.00000190	8517	0.0268			
11/1/16 05:00	15.89	8.25	0.00000190	8517	0.0267			
11/1/16 06:00	16.20	8.14	0.00000193	8517	0.0270			
11/1/16 07:00	17.30	8.10	0.00000207	8517	0.0287			
11/1/16 08:00	17.24	8.78	0.00000206	8517	0.0302			
11/1/16 09:00	16.67	9.03	0.00000199	8517	0.0299			
11/1/16 10:00	17.00	8.95	0.00000203	8517	0.0302			
11/1/16 11:00	16.57	9.07	0.00000198	8517	0.0298			
11/1/16 12:00	17.64	9.03	0.00000211	8517	0.0316			
11/1/16 13:00	17.37	8.99	0.00000207	8517	0.0310			
11/1/16 14:00	17.19	8.95	0.00000205	8517	0.0306			
11/1/16 15:00	17.83	8.72	0.00000213	8517	0.0311			
11/1/16 16:00	18.30	8.54	0.00000218	8517	0.0315			
11/1/16 17:00	17.80	8.55	0.00000213	8517	0.0306			
11/1/16 18:00	17.35	8.54	0.00000207	8517	0.0298			
11/1/16 19:00	16.99	8.59	0.00000203	8517	0.0293			
11/1/16 20:00	17.18	8.60	0.00000205	8517	0.0297			
11/1/16 21:00	17.44	8.45	0.00000208	8517	0.0298			
11/1/16 22:00	17.42	8.49	0.00000208	8517	0.0298			
11/1/16 23:00	17.47	8.42	0.00000209	8517	0.0297	0.0292	0.0286	
11/2/16 00:00	17.43	8.36	0.00000208	8517	0.0295			
11/2/16 01:00	17.58	8.27	0.00000210	8517	0.0296			
11/2/16 02:00	17.58	8.26	0.00000210	8517	0.0296			
11/2/16 03:00	17.45	8.36	0.00000208	8517	0.0296			
11/2/16 04:00	17.53	8.36	0.00000209	8517	0.0297			

	Boiler TB-01 - NOx							Comments
	NO _x (ppmd)	O ₂ (% vol)	C _d (lb/scf)	F _d (scf/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	
60.49b(g)(1)				60.49b(g)(7)	60.49b(g)(2)	60.49b(g)(3)	60.49b(g)(3)	60.49b(g)(4), 60.49b(g)(5), 60.49b(g)(6), 60.49b(g)(8), 60.49b(g)(9)
DATE/TIME	CEM	CEM	Method 19 Table 19-1	Method 19	Method 19 Eq. 19-1	Daily Average	30-DRA Limit = 0.1	
11/2/16 05:00	17.58	8.30	0.00000210	8517	0.0296			
11/2/16 06:00	17.94	8.19	0.00000214	8517	0.0300			
11/2/16 07:00	18.57	8.18	0.00000222	8517	0.0310			
11/2/16 08:00	18.17	8.19	0.00000217	8517	0.0304			
11/2/16 09:00	18.12	8.18	0.00000216	8517	0.0303			
11/2/16 10:00	17.76	8.31	0.00000212	8517	0.0300			
11/2/16 11:00	17.87	8.39	0.00000213	8517	0.0304			
11/2/16 12:00	17.76	8.31	0.00000212	8517	0.0300			
11/2/16 13:00	17.67	8.24	0.00000211	8517	0.0296			
11/2/16 14:00	18.00	8.29	0.00000215	8517	0.0303			
11/2/16 15:00	18.02	8.22	0.00000215	8517	0.0302			
11/2/16 16:00	17.52	8.13	0.00000209	8517	0.0292			
11/2/16 17:00	17.51	8.03	0.00000209	8517	0.0289			
11/2/16 18:00	17.22	8.07	0.00000206	8517	0.0285			
11/2/16 19:00	17.34	8.04	0.00000207	8517	0.0287			
11/2/16 20:00	17.12	8.06	0.00000204	8517	0.0283			
11/2/16 21:00	17.17	8.06	0.00000205	8517	0.0284			
11/2/16 22:00	16.98	8.10	0.00000203	8517	0.0282			
11/2/16 23:00	16.95	8.03	0.00000202	8517	0.0280	0.0295	0.0285	
11/3/16 00:00	16.93	7.99	0.00000202	8517	0.0279			
11/3/16 01:00	16.78	8.02	0.00000200	8517	0.0277			
11/3/16 02:00	16.80	7.92	0.00000201	8517	0.0275			
11/3/16 03:00	16.65	7.92	0.00000199	8517	0.0273			
11/3/16 04:00	16.54	7.91	0.00000197	8517	0.0271			
11/3/16 05:00	16.36	7.93	0.00000195	8517	0.0268			
11/3/16 06:00	16.80	7.91	0.00000201	8517	0.0275			
11/3/16 07:00	17.44	7.82	0.00000208	8517	0.0283			
11/3/16 08:00	17.13	8.38	0.00000204	8517	0.0291			
11/3/16 09:00	16.21	8.94	0.00000194	8517	0.0288			
11/3/16 10:00	15.76	9.23	0.00000188	8517	0.0287			
11/3/16 11:00	15.87	9.13	0.00000190	8517	0.0287			
11/3/16 12:00	16.23	8.88	0.00000194	8517	0.0287			
11/3/16 13:00	16.39	8.85	0.00000196	8517	0.0289			
11/3/16 14:00	16.44	8.99	0.00000196	8518	0.0293			
11/3/16 15:00	16.06	9.10	0.00000192	8518	0.0289			
11/3/16 16:00	16.22	9.15	0.00000194	8518	0.0293			
11/3/16 17:00	16.47	8.73	0.00000197	8518	0.0288			
11/3/16 18:00	16.30	8.61	0.00000195	8518	0.0282			
11/3/16 19:00	16.47	8.40	0.00000197	8518	0.0280			
11/3/16 20:00	15.63	8.79	0.00000187	8518	0.0274			
11/3/16 21:00	15.88	8.81	0.00000190	8518	0.0279			
11/3/16 22:00	15.44	9.05	0.00000184	8518	0.0277			
11/3/16 23:00	15.57	8.92	0.00000186	8518	0.0276	0.0282	0.0286	
11/4/16 00:00	15.55	8.88	0.00000186	8518	0.0275			
11/4/16 01:00	15.48	8.89	0.00000185	8518	0.0274			
11/4/16 02:00	15.55	8.85	0.00000186	8518	0.0274			
11/4/16 03:00	15.49	8.82	0.00000185	8518	0.0273			
11/4/16 04:00	15.39	8.76	0.00000184	8518	0.0270			
11/4/16 05:00	15.28	8.75	0.00000182	8518	0.0267			
11/4/16 06:00	15.49	8.54	0.00000185	8518	0.0266			
11/4/16 07:00	15.96	8.44	0.00000191	8518	0.0272			
11/4/16 08:00	15.58	6.14	0.00000186	8518	0.0224			
11/4/16 09:00			0.00000000	8518				CEMS shutdown. Maintenance.
11/4/16 10:00			0.00000000	8518				Replaced O2 cell.
11/4/16 11:00			0.00000000	8518				New O2 cell bad. CEMS Out of Control.
11/4/16 12:00			0.00000000	8518				Rush ordered new O2 cell.
11/4/16 13:00			0.00000000	8518				
11/4/16 14:00			0.00000000	8518				
11/4/16 15:00			0.00000000	8518				
11/4/16 16:00			0.00000000	8518				
11/4/16 17:00			0.00000000	8518				
11/4/16 18:00			0.00000000	8518				
11/4/16 19:00			0.00000000	8518				
11/4/16 20:00			0.00000000	8518				
11/4/16 21:00			0.00000000	8518				
11/4/16 22:00			0.00000000	8518				
11/4/16 23:00			0.00000000	8518		0.0266	0.0285	
11/5/16 00:00			0.00000000	8518				
11/5/16 01:00			0.00000000	8518				
11/5/16 02:00			0.00000000	8518				
11/5/16 03:00			0.00000000	8518				
11/5/16 04:00			0.00000000	8518				
11/5/16 05:00			0.00000000	8518				
11/5/16 06:00			0.00000000	8518				
11/5/16 07:00			0.00000000	8518				
11/5/16 08:00			0.00000000	8518				
11/5/16 09:00			0.00000000	8518				
11/5/16 10:00			0.00000000	8518				
11/5/16 11:00			0.00000000	8518				
11/5/16 12:00			0.00000000	8518				
11/5/16 13:00			0.00000000	8518				
11/5/16 14:00			0.00000000	8518				
11/5/16 15:00			0.00000000	8518				
11/5/16 16:00			0.00000000	8518				
11/5/16 17:00			0.00000000	8518				
11/5/16 18:00			0.00000000	8518				

	Boiler TB-01 - NOx							Comments
	NO _x (ppmd)	O ₂ (% vol)	C _d (lb/scf)	F _d (scf/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	
60.49b(g)(1)				60.49b(g)(7)	60.49b(g)(2)	60.49b(g)(3)	60.49b(g)(3)	60.49b(g)(4), 60.49b(g)(5), 60.49b(g)(6), 60.49b(g)(8), 60.49b(g)(9)
DATE/TIME	CEM	CEM	Method 19 Table 19-1	Method 19	Method 19 Eq. 19-1	Daily Average	30-DRA Limit = 0.1	
11/5/16 19:00			0.00000000	8518				
11/5/16 20:00			0.00000000	8518				
11/5/16 21:00			0.00000000	8518				
11/5/16 22:00			0.00000000	8518				
11/5/16 23:00			0.00000000	8518		0.0266	0.0285	
11/6/16 00:00			0.00000000	8518				
11/6/16 01:00			0.00000000	8518				
11/6/16 01:00			0.00000000	8518				
11/6/16 02:00			0.00000000	8518				
11/6/16 03:00			0.00000000	8518				
11/6/16 04:00			0.00000000	8518				
11/6/16 05:00			0.00000000	8518				
11/6/16 06:00			0.00000000	8518				
11/6/16 07:00			0.00000000	8518				
11/6/16 08:00			0.00000000	8518				
11/6/16 09:00			0.00000000	8518				
11/6/16 10:00			0.00000000	8518				
11/6/16 11:00			0.00000000	8518				
11/6/16 12:00			0.00000000	8518				
11/6/16 13:00			0.00000000	8518				
11/6/16 14:00			0.00000000	8518				
11/6/16 15:00			0.00000000	8518				
11/6/16 16:00			0.00000000	8518				
11/6/16 17:00			0.00000000	8518				
11/6/16 18:00			0.00000000	8518				
11/6/16 19:00			0.00000000	8518				
11/6/16 20:00			0.00000000	8518				
11/6/16 21:00			0.00000000	8518				
11/6/16 22:00			0.00000000	8518				
11/6/16 23:00			0.00000000	8518		0.0266	0.0285	
11/7/16 00:00			0.00000000	8518				
11/7/16 01:00			0.00000000	8518				
11/7/16 02:00			0.00000000	8518				
11/7/16 03:00			0.00000000	8518				
11/7/16 04:00			0.00000000	8518				
11/7/16 05:00			0.00000000	8518				
11/7/16 06:00			0.00000000	8518				
11/7/16 07:00			0.00000000	8518				
11/7/16 08:00			0.00000000	8518				
11/7/16 09:00			0.00000000	8518				
11/7/16 10:00			0.00000000	8518				
11/7/16 11:00			0.00000000	8518				
11/7/16 12:00			0.00000000	8518				
11/7/16 13:00			0.00000000	8518				
11/7/16 14:00			0.00000000	8518				
11/7/16 15:00			0.00000000	8518				
11/7/16 16:00			0.00000000	8518				
11/7/16 17:00			0.00000000	8518				
11/7/16 18:00			0.00000000	8518				
11/7/16 19:00			0.00000000	8518				
11/7/16 20:00			0.00000000	8518				
11/7/16 21:00			0.00000000	8518				
11/7/16 22:00			0.00000000	8518				
11/7/16 23:00			0.00000000	8518		0.0266	0.0284	
11/8/16 00:00			0.00000000	8518				
11/8/16 01:00			0.00000000	8518				
11/8/16 02:00			0.00000000	8518				
11/8/16 03:00			0.00000000	8518				
11/8/16 04:00			0.00000000	8518				
11/8/16 05:00			0.00000000	8518				
11/8/16 06:00			0.00000000	8518				
11/8/16 07:00			0.00000000	8518				
11/8/16 08:00			0.00000000	8518				
11/8/16 09:00			0.00000000	8518				
11/8/16 10:00			0.00000000	8518				
11/8/16 11:00			0.00000000	8518				
11/8/16 12:00			0.00000000	8518				
11/8/16 13:00			0.00000000	8518				
11/8/16 14:00	16.08	9.38	0.00000192	8518	0.0297			
11/8/16 15:00	16.23	9.34	0.00000194	8518	0.0298			
11/8/16 16:00	16.29	9.30	0.00000195	8518	0.0299			
11/8/16 17:00	16.21	9.29	0.00000194	8518	0.0297			
11/8/16 18:00	16.51	9.23	0.00000197	8518	0.0301			
11/8/16 19:00	16.45	9.30	0.00000196	8518	0.0301			
11/8/16 20:00	16.38	9.31	0.00000196	8518	0.0300			
11/8/16 21:00	16.51	9.35	0.00000197	8518	0.0304			
11/8/16 22:00	16.50	9.37	0.00000197	8518	0.0304			
11/8/16 23:00	16.60	9.38	0.00000198	8518	0.0306	0.0301	0.0283	
11/9/16 00:00	16.67	9.41	0.00000199	8518	0.0308			
11/9/16 01:00	16.79	9.43	0.00000201	8518	0.0311			
11/9/16 02:00	16.83	9.45	0.00000201	8518	0.0312			
11/9/16 03:00	16.96	9.47	0.00000202	8518	0.0315			
11/9/16 04:00	17.20	9.51	0.00000205	8518	0.0321			
11/9/16 05:00	17.32	9.46	0.00000207	8518	0.0322			
11/9/16 06:00	17.66	9.41	0.00000211	8518	0.0327			
11/9/16 07:00	17.68	9.65	0.00000211	8518	0.0334			

	Boiler TB-01 - NOx							
	NO _x (ppmd)	O ₂ (% vol)	C _d (lb/scf)	F _d (scf/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	Comments
60.49b(g)(1)				60.49b(g)(7)	60.49b(g)(2)	60.49b(g)(3)	60.49b(g)(3)	60.49b(g)(4), 60.49b(g)(5), 60.49b(g)(6), 60.49b(g)(8), 60.49b(g)(9)
DATE/TIME	CEM	CEM	Method 19 Table 19-1	Method 19	Method 19 Eq. 19-1	Daily Average	30-DRA Limit = 0.1	
11/9/16 08:00	17.57	9.88	0.00000210	8518	0.0339			
11/9/16 09:00	17.59	9.84	0.00000210	8518	0.0338			
11/9/16 10:00	17.71	9.69	0.00000211	8518	0.0336			
11/9/16 11:00	17.62	9.64	0.00000210	8518	0.0333			
11/9/16 12:00	17.46	9.78	0.00000208	8518	0.0334			
11/9/16 13:00	17.88	9.58	0.00000214	8518	0.0336			
11/9/16 14:00	17.95	9.58	0.00000214	8518	0.0337			
11/9/16 15:00	17.97	9.60	0.00000215	8518	0.0338			
11/9/16 16:00	17.70	9.63	0.00000211	8518	0.0334			
11/9/16 17:00	17.59	9.54	0.00000210	8518	0.0329			
11/9/16 18:00	17.52	9.54	0.00000209	8518	0.0328			
11/9/16 19:00	17.38	9.50	0.00000208	8518	0.0324			
11/9/16 20:00	17.15	9.65	0.00000205	8518	0.0324			
11/9/16 21:00	17.03	9.90	0.00000203	8518	0.0329			
11/9/16 22:00	16.97	10.14	0.00000203	8518	0.0335			
11/9/16 23:00	17.26	10.31	0.00000206	8518	0.0347	0.0329	0.0284	
11/10/16 00:00	17.63	10.20	0.00000211	8518	0.0350			
11/10/16 01:00	17.80	10.17	0.00000212	8518	0.0352			
11/10/16 02:00	18.20	9.91	0.00000217	8518	0.0352			
11/10/16 03:00	18.28	9.79	0.00000218	8518	0.0350			
11/10/16 04:00	18.21	9.87	0.00000217	8539	0.0352			
11/10/16 05:00	18.55	9.86	0.00000221	8539	0.0358			
11/10/16 06:00	18.92	9.56	0.00000226	8539	0.0355			
11/10/16 07:00	18.71	9.63	0.00000223	8539	0.0354			
11/10/16 08:00	19.30	9.15	0.00000230	8539	0.0350			
11/10/16 09:00	19.31	8.71	0.00000231	8539	0.0338			
11/10/16 10:00	21.97	6.83	0.00000262	8539	0.0333			
11/10/16 11:00	20.59	7.97	0.00000246	8539	0.0339			
11/10/16 12:00	20.85	7.71	0.00000249	8539	0.0337			
11/10/16 13:00	20.64	9.36	0.00000246	8539	0.0381			
11/10/16 14:00	26.72	8.73	0.00000319	8539	0.0468			
11/10/16 15:00	22.98	7.74	0.00000274	8539	0.0372			
11/10/16 16:00	23.23	7.82	0.00000277	8539	0.0378			
11/10/16 17:00	21.95	7.59	0.00000262	8539	0.0351			
11/10/16 18:00	21.86	7.84	0.00000261	8539	0.0357			
11/10/16 19:00	21.27	8.00	0.00000254	8539	0.0351			
11/10/16 20:00	21.29	8.58	0.00000254	8539	0.0368			
11/10/16 21:00	21.21	8.87	0.00000253	8539	0.0376			
11/10/16 22:00	21.35	8.86	0.00000255	8539	0.0378			
11/10/16 23:00	21.44	8.99	0.00000256	8539	0.0384	0.0362	0.0286	
11/11/16 00:00	21.13	8.99	0.00000252	8539	0.0378			
11/11/16 01:00	21.02	8.62	0.00000251	8539	0.0365			
11/11/16 02:00	21.12	8.82	0.00000252	8539	0.0373			
11/11/16 03:00	20.98	9.05	0.00000251	8539	0.0377			
11/11/16 04:00	21.47	8.86	0.00000256	8539	0.0380			
11/11/16 05:00	21.65	8.92	0.00000258	8539	0.0385			
11/11/16 06:00	22.28	8.37	0.00000266	8539	0.0379			
11/11/16 07:00	22.37	8.21	0.00000267	8539	0.0376			
11/11/16 08:00	16.89	8.55	0.00000202	8539	0.0291			
11/11/16 09:00	23.89	7.77	0.00000285	8539	0.0388			
11/11/16 10:00	23.54	8.31	0.00000281	8539	0.0398			
11/11/16 11:00	22.96	8.66	0.00000274	8539	0.0400			
11/11/16 12:00	23.39	8.30	0.00000279	8539	0.0396			
11/11/16 13:00	23.06	8.52	0.00000275	8539	0.0397			
11/11/16 14:00	22.90	8.31	0.00000273	8539	0.0388			
11/11/16 15:00	23.23	8.21	0.00000277	8539	0.0390			
11/11/16 16:00	23.07	8.18	0.00000275	8539	0.0386			
11/11/16 17:00	22.86	8.36	0.00000273	8539	0.0388			
11/11/16 18:00	22.18	8.55	0.00000265	8539	0.0383			
11/11/16 19:00	24.70	7.58	0.00000295	8539	0.0395			
11/11/16 20:00	24.43	7.91	0.00000292	8539	0.0401			
11/11/16 21:00	24.28	7.93	0.00000290	8539	0.0399			
11/11/16 22:00	24.05	7.90	0.00000287	8539	0.0394			
11/11/16 23:00	23.07	8.22	0.00000275	8539	0.0388	0.0383	0.0289	
11/12/16 00:00	23.82	7.77	0.00000284	8539	0.0387			
11/12/16 01:00	22.90	8.09	0.00000273	8539	0.0381			
11/12/16 02:00	23.42	7.88	0.00000280	8539	0.0383			
11/12/16 03:00	23.70	7.93	0.00000283	8539	0.0389			
11/12/16 04:00	23.89	7.92	0.00000285	8539	0.0392			
11/12/16 05:00	24.46	7.59	0.00000292	8539	0.0392			
11/12/16 06:00	24.57	7.70	0.00000293	8539	0.0397			
11/12/16 07:00	24.12	8.06	0.00000288	8539	0.0400			
11/12/16 08:00	24.12	8.00	0.00000288	8539	0.0398			
11/12/16 09:00	22.87	8.67	0.00000273	8539	0.0398			
11/12/16 10:00	25.10	7.91	0.00000300	8539	0.0412			
11/12/16 11:00	22.71	8.89	0.00000271	8539	0.0403			
11/12/16 12:00	23.77	8.39	0.00000284	8539	0.0405			
11/12/16 13:00	24.72	7.91	0.00000295	8539	0.0406			
11/12/16 14:00	24.56	8.06	0.00000293	8539	0.0408			
11/12/16 15:00	25.53	7.74	0.00000305	8539	0.0413			
11/12/16 16:00	25.46	7.67	0.00000304	8539	0.0410			
11/12/16 17:00	25.40	7.64	0.00000303	8539	0.0408			
11/12/16 18:00	23.93	7.95	0.00000286	8539	0.0394			
11/12/16 19:00	24.34	7.72	0.00000291	8539	0.0394			
11/12/16 20:00	24.71	7.56	0.00000295	8539	0.0395			
11/12/16 21:00	24.04	7.96	0.00000287	8539	0.0396			

	Boiler TB-01 - NOx							
	NO _x (ppmd)	O ₂ (% vol)	C _d (lb/scf)	F _d (scf/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	Comments
60.49b(g)(1)				60.49b(g)(7)	60.49b(g)(2)	60.49b(g)(3)	60.49b(g)(3)	60.49b(g)(4), 60.49b(g)(5), 60.49b(g)(6), 60.49b(g)(8), 60.49b(g)(9)
DATE/TIME	CEM	CEM	Method 19 Table 19-1	Method 19	Method 19 Eq. 19-1	Daily Average	30-DRA Limit = 0.1	
11/12/16 22:00	23.68	8.04	0.00000283	8539	0.0392			
11/12/16 23:00	23.81	8.06	0.00000284	8539	0.0395	0.0398	0.0293	
11/13/16 00:00	23.67	8.03	0.00000283	8539	0.0392			
11/13/16 01:00	23.58	8.07	0.00000282	8539	0.0392			
11/13/16 02:00	23.22	8.21	0.00000277	8539	0.0390			
11/13/16 03:00	22.93	8.30	0.00000274	8539	0.0388			
11/13/16 04:00	22.15	8.53	0.00000265	8539	0.0382			
11/13/16 05:00	22.52	8.42	0.00000269	8539	0.0384			
11/13/16 06:00	23.05	8.36	0.00000275	8539	0.0392			
11/13/16 07:00	22.56	8.48	0.00000269	8539	0.0387			
11/13/16 08:00	22.38	8.70	0.00000267	8539	0.0391			
11/13/16 09:00	22.37	8.65	0.00000267	8539	0.0389			
11/13/16 10:00	22.65	8.52	0.00000270	8539	0.0390			
11/13/16 11:00	23.20	8.23	0.00000277	8539	0.0390			
11/13/16 12:00	22.34	8.42	0.00000267	8539	0.0382			
11/13/16 13:00	22.35	8.30	0.00000267	8539	0.0378			
11/13/16 14:00	22.60	8.25	0.00000270	8539	0.0381			
11/13/16 15:00	22.94	8.19	0.00000274	8539	0.0385			
11/13/16 16:00	23.35	7.97	0.00000279	8539	0.0385			
11/13/16 17:00	22.22	8.37	0.00000265	8539	0.0378			
11/13/16 18:00	22.57	8.19	0.00000269	8539	0.0378			
11/13/16 19:00	22.08	8.30	0.00000264	8539	0.0373			
11/13/16 20:00	22.43	8.17	0.00000268	8539	0.0375			
11/13/16 21:00	21.79	8.25	0.00000260	8539	0.0367			
11/13/16 22:00	21.69	8.36	0.00000259	8539	0.0368			
11/13/16 23:00	22.99	7.76	0.00000274	8539	0.0373	0.0383	0.0296	
11/14/16 00:00	21.24	8.30	0.00000254	8539	0.0359			
11/14/16 01:00	21.58	8.22	0.00000258	8539	0.0363			
11/14/16 02:00	21.40	8.32	0.00000255	8539	0.0363			
11/14/16 03:00	21.13	8.26	0.00000252	8539	0.0356			
11/14/16 04:00	21.60	8.33	0.00000258	8539	0.0366			
11/14/16 05:00	22.17	8.07	0.00000265	8539	0.0368			
11/14/16 06:00	23.75	8.00	0.00000284	8539	0.0392			
11/14/16 07:00	23.60	8.25	0.00000282	8539	0.0398			
11/14/16 08:00	24.13	8.09	0.00000288	8539	0.0401			
11/14/16 09:00	23.71	8.16	0.00000283	8539	0.0397			
11/14/16 10:00	23.30	8.19	0.00000278	8539	0.0390			
11/14/16 11:00	24.51	8.08	0.00000293	8539	0.0407			
11/14/16 12:00	24.58	8.19	0.00000293	8539	0.0412			
11/14/16 13:00	25.46	8.09	0.00000304	8539	0.0424			
11/14/16 14:00	26.35	7.77	0.00000315	8539	0.0427			
11/14/16 15:00	27.36	7.44	0.00000327	8539	0.0433			
11/14/16 16:00	26.84	7.70	0.00000320	8539	0.0433			
11/14/16 17:00	27.94	7.42	0.00000334	8539	0.0442			
11/14/16 18:00	27.47	7.41	0.00000328	8539	0.0434			
11/14/16 19:00	28.72	7.14	0.00000343	8539	0.0445			
11/14/16 20:00	25.35	7.97	0.00000303	8539	0.0418			
11/14/16 21:00	26.74	7.35	0.00000319	8539	0.0421			
11/14/16 22:00	24.38	8.02	0.00000291	8539	0.0403			
11/14/16 23:00	23.73	8.18	0.00000283	8539	0.0397	0.0402	0.0300	
11/15/16 00:00	23.64	8.13	0.00000282	8539	0.0394			
11/15/16 01:00	23.90	7.99	0.00000285	8539	0.0395			
11/15/16 02:00	23.96	7.81	0.00000286	8539	0.0390			
11/15/16 03:00	22.90	8.17	0.00000273	8539	0.0383			
11/15/16 04:00	23.81	7.99	0.00000284	8539	0.0393			
11/15/16 05:00	24.86	7.69	0.00000297	8539	0.0401			
11/15/16 06:00	24.94	7.70	0.00000298	8539	0.0403			
11/15/16 07:00	22.58	8.57	0.00000270	8539	0.0390			
11/15/16 08:00	22.98	8.31	0.00000274	8539	0.0389			
11/15/16 09:00	22.42	9.15	0.00000268	8539	0.0407			
11/15/16 10:00	27.07	8.46	0.00000323	8539	0.0464			
11/15/16 11:00	27.06	9.24	0.00000323	8539	0.0495			
11/15/16 12:00	25.47	9.98	0.00000304	8539	0.0497			
11/15/16 13:00	25.50	9.23	0.00000304	8539	0.0466			
11/15/16 14:00	26.76	7.49	0.00000320	8539	0.0425			
11/15/16 15:00	26.33	7.70	0.00000314	8539	0.0425			
11/15/16 16:00	25.85	7.64	0.00000309	8539	0.0415			
11/15/16 17:00	24.93	7.80	0.00000298	8539	0.0405			
11/15/16 18:00	22.64	8.36	0.00000270	8539	0.0385			
11/15/16 19:00	21.50	8.27	0.00000257	8539	0.0363			
11/15/16 20:00	20.10	8.75	0.00000240	8539	0.0352			
11/15/16 21:00	21.24	8.27	0.00000254	8539	0.0358			
11/15/16 22:00	19.44	8.73	0.00000232	8539	0.0340			
11/15/16 23:00	20.43	8.28	0.00000244	8539	0.0345	0.0403	0.0305	
11/16/16 00:00	20.81	8.12	0.00000249	8539	0.0347			
11/16/16 01:00	20.67	8.31	0.00000247	8539	0.0350			
11/16/16 02:00	20.34	8.21	0.00000243	8539	0.0341			
11/16/16 03:00	20.07	8.29	0.00000240	8539	0.0339			
11/16/16 04:00	20.33	8.46	0.00000243	8539	0.0348			
11/16/16 05:00	21.19	8.27	0.00000253	8539	0.0358			
11/16/16 06:00	21.59	8.51	0.00000258	8539	0.0371			
11/16/16 07:00	22.22	8.85	0.00000265	8539	0.0393			
11/16/16 08:00	24.46	8.85	0.00000292	8539	0.0433			
11/16/16 09:00	24.46	9.03	0.00000292	8539	0.0439			
11/16/16 10:00	25.22	9.25	0.00000301	8539	0.0461			
11/16/16 11:00	25.76	9.00	0.00000308	8539	0.0461			

	Boiler TB-01 - NOx							
	NO _x (ppmd)	O ₂ (% vol)	C _d (lb/scf)	F _d (scf/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	Comments
60.49b(g)(1)				60.49b(g)(7)	60.49b(g)(2)	60.49b(g)(3)	60.49b(g)(3)	60.49b(g)(4), 60.49b(g)(5), 60.49b(g)(6), 60.49b(g)(8), 60.49b(g)(9)
DATE/TIME	CEM	CEM	Method 19 Table 19-1	Method 19	Method 19 Eq. 19-1	Daily Average	30-DRA Limit = 0.1	
11/16/16 12:00	25.35	9.10	0.00000303	8539	0.0458			
11/16/16 13:00	26.36	8.83	0.00000315	8539	0.0465			
11/16/16 14:00	27.18	8.51	0.00000325	8539	0.0468			
11/16/16 15:00	26.20	8.79	0.00000313	8539	0.0461			
11/16/16 16:00	25.65	7.93	0.00000306	8539	0.0421			
11/16/16 17:00	23.92	8.27	0.00000286	8539	0.0403			
11/16/16 18:00	24.62	7.91	0.00000294	8539	0.0404			
11/16/16 19:00	24.24	7.75	0.00000289	8539	0.0393			
11/16/16 20:00	23.61	8.00	0.00000282	8539	0.0390			
11/16/16 21:00	25.46	7.67	0.00000304	8539	0.0410			
11/16/16 22:00	22.00	8.47	0.00000263	8539	0.0377			
11/16/16 23:00	23.46	8.06	0.00000280	8539	0.0389	0.0403	0.0310	
11/17/16 00:00	23.54	8.10	0.00000281	8539	0.0392			
11/17/16 01:00	23.85	8.06	0.00000285	8539	0.0396			
11/17/16 02:00	25.82	7.59	0.00000308	8539	0.0413			
11/17/16 03:00	23.11	7.89	0.00000276	8539	0.0378			
11/17/16 04:00	17.97	8.48	0.00000215	8519	0.0307			
11/17/16 05:00	18.07	8.42	0.00000216	8519	0.0308			
11/17/16 06:00	19.15	8.25	0.00000229	8519	0.0322			
11/17/16 07:00	19.26	8.31	0.00000230	8519	0.0325			
11/17/16 08:00	22.41	6.85	0.00000268	8519	0.0339			
11/17/16 09:00	21.60	7.70	0.00000258	8519	0.0348			
11/17/16 10:00	18.93	8.63	0.00000226	8519	0.0328			
11/17/16 11:00	17.89	8.99	0.00000214	8519	0.0319			
11/17/16 12:00	18.16	8.80	0.00000217	8519	0.0319			
11/17/16 13:00	19.22	8.28	0.00000229	8519	0.0324			
11/17/16 14:00	19.13	8.22	0.00000228	8519	0.0321			
11/17/16 15:00	18.97	8.15	0.00000226	8519	0.0316			
11/17/16 16:00	18.89	8.05	0.00000226	8519	0.0313			
11/17/16 17:00	19.07	7.81	0.00000228	8519	0.0310			
11/17/16 18:00	20.54	6.92	0.00000245	8519	0.0312			
11/17/16 19:00	20.76	6.82	0.00000248	8519	0.0313			
11/17/16 20:00	22.00	6.92	0.00000263	8519	0.0335			
11/17/16 21:00	20.14	7.74	0.00000240	8519	0.0325			
11/17/16 22:00	19.74	7.72	0.00000236	8519	0.0319			
11/17/16 23:00	18.58	8.17	0.00000222	8519	0.0310	0.0333	0.0313	
11/18/16 00:00	18.10	8.11	0.00000216	8519	0.0301			
11/18/16 01:00	21.50	7.24	0.00000257	8519	0.0335			
11/18/16 02:00	20.01	8.01	0.00000239	8519	0.0330			
11/18/16 03:00	19.85	8.05	0.00000237	8519	0.0328			
11/18/16 04:00	20.07	8.06	0.00000240	8519	0.0332			
11/18/16 05:00	20.37	7.94	0.00000243	8519	0.0334			
11/18/16 06:00	20.56	7.75	0.00000245	8519	0.0332			
11/18/16 07:00	20.09	7.84	0.00000240	8519	0.0327			
11/18/16 08:00	20.32	7.69	0.00000243	8519	0.0327			
11/18/16 09:00	20.37	7.82	0.00000243	8519	0.0331			
11/18/16 10:00	20.57	7.80	0.00000246	8519	0.0334			
11/18/16 11:00	20.82	7.62	0.00000249	8519	0.0333			
11/18/16 12:00	21.15	7.69	0.00000253	8519	0.0340			
11/18/16 13:00	20.81	7.75	0.00000248	8519	0.0336			
11/18/16 14:00	20.91	7.53	0.00000250	8519	0.0332			
11/18/16 15:00	20.15	7.69	0.00000241	8519	0.0324			
11/18/16 16:00	20.45	7.48	0.00000244	8519	0.0324			
11/18/16 17:00	20.57	7.45	0.00000246	8519	0.0325			
11/18/16 18:00	20.40	7.58	0.00000244	8519	0.0326			
11/18/16 19:00	20.47	7.33	0.00000244	8519	0.0321			
11/18/16 20:00	19.73	7.68	0.00000236	8519	0.0317			
11/18/16 21:00	20.06	7.56	0.00000239	8519	0.0320			
11/18/16 22:00	19.71	7.64	0.00000235	8519	0.0316			
11/18/16 23:00	20.03	7.46	0.00000239	8519	0.0317	0.0327	0.0315	
11/19/16 00:00	19.63	7.75	0.00000234	8519	0.0317			
11/19/16 01:00	19.55	7.66	0.00000233	8519	0.0314			
11/19/16 02:00	19.82	7.66	0.00000237	8519	0.0318			
11/19/16 03:00	20.81	7.73	0.00000249	8519	0.0336			
11/19/16 04:00	20.70	8.01	0.00000247	8519	0.0341			
11/19/16 05:00	21.37	8.01	0.00000255	8519	0.0352			
11/19/16 06:00	21.71	8.13	0.00000259	8519	0.0361			
11/19/16 07:00	21.28	8.29	0.00000254	8519	0.0359			
11/19/16 08:00	21.69	8.15	0.00000259	8519	0.0362			
11/19/16 09:00	22.29	8.08	0.00000266	8519	0.0370			
11/19/16 10:00	22.36	8.24	0.00000267	8519	0.0376			
11/19/16 11:00	22.23	8.24	0.00000265	8519	0.0373			
11/19/16 12:00	22.28	8.22	0.00000266	8519	0.0374			
11/19/16 13:00	22.16	8.28	0.00000265	8519	0.0373			
11/19/16 14:00	22.54	8.18	0.00000269	8519	0.0377			
11/19/16 15:00	22.47	8.21	0.00000268	8519	0.0377			
11/19/16 16:00	23.14	8.03	0.00000276	8519	0.0382			
11/19/16 17:00	22.89	8.07	0.00000273	8519	0.0379			
11/19/16 18:00	23.01	7.99	0.00000275	8519	0.0379			
11/19/16 19:00	22.91	7.95	0.00000274	8519	0.0376			
11/19/16 20:00	22.59	8.07	0.00000270	8519	0.0374			
11/19/16 21:00	22.56	8.09	0.00000269	8519	0.0374			
11/19/16 22:00	22.50	8.15	0.00000269	8519	0.0375			
11/19/16 23:00	22.40	8.17	0.00000268	8519	0.0374	0.0362	0.0318	
11/20/16 00:00	22.82	8.16	0.00000272	8519	0.0381			
11/20/16 01:00	23.25	8.34	0.00000278	8519	0.0394			

	Boiler TB-01 - NOx							
	NO _x (ppmd)	O ₂ (% vol)	C _d (lb/scf)	F _d (scf/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	Comments
60.49b(g)(1)				60.49b(g)(7)	60.49b(g)(2)	60.49b(g)(3)	60.49b(g)(3)	60.49b(g)(4), 60.49b(g)(5), 60.49b(g)(6), 60.49b(g)(8), 60.49b(g)(9)
DATE/TIME	CEM	CEM	Method 19 Table 19-1	Method 19	Method 19 Eq. 19-1	Daily Average	30-DRA Limit = 0.1	
11/20/16 02:00	24.58	8.29	0.00000293	8519	0.0414			
11/20/16 03:00	24.37	8.49	0.00000291	8519	0.0417			
11/20/16 04:00	24.25	8.45	0.00000290	8519	0.0414			
11/20/16 05:00	24.90	8.37	0.00000297	8519	0.0422			
11/20/16 06:00	24.79	8.53	0.00000296	8519	0.0426			
11/20/16 07:00	23.63	8.99	0.00000282	8519	0.0422			
11/20/16 08:00	24.08	8.70	0.00000288	8519	0.0420			
11/20/16 09:00	23.87	8.84	0.00000285	8519	0.0421			
11/20/16 10:00	23.71	8.94	0.00000283	8519	0.0421			
11/20/16 11:00	24.26	8.68	0.00000290	8519	0.0422			
11/20/16 12:00	23.48	9.03	0.00000280	8519	0.0420			
11/20/16 13:00	23.26	9.02	0.00000278	8519	0.0416			
11/20/16 14:00	23.50	8.83	0.00000281	8519	0.0414			
11/20/16 15:00	22.38	8.86	0.00000267	8519	0.0395			
11/20/16 16:00	22.94	8.56	0.00000274	8519	0.0395			
11/20/16 17:00	23.28	8.17	0.00000278	8519	0.0389			
11/20/16 18:00	22.32	8.50	0.00000266	8519	0.0383			
11/20/16 19:00	23.51	8.15	0.00000281	8519	0.0392			
11/20/16 20:00	22.54	8.37	0.00000269	8519	0.0382			
11/20/16 21:00	22.76	8.34	0.00000272	8519	0.0385			
11/20/16 22:00	22.93	8.35	0.00000274	8519	0.0388			
11/20/16 23:00	23.10	8.26	0.00000276	8519	0.0389	0.0405	0.0322	
11/21/16 00:00	21.22	8.78	0.00000253	8519	0.0372			
11/21/16 01:00	20.62	8.88	0.00000246	8519	0.0365			
11/21/16 02:00	20.82	8.86	0.00000249	8519	0.0368			
11/21/16 03:00	20.91	8.83	0.00000250	8519	0.0368			
11/21/16 04:00	20.90	8.87	0.00000250	8519	0.0369			
11/21/16 05:00	21.16	8.60	0.00000253	8519	0.0366			
11/21/16 06:00	21.49	8.54	0.00000257	8519	0.0370			
11/21/16 07:00	20.92	8.77	0.00000250	8519	0.0366			
11/21/16 08:00	20.86	8.78	0.00000249	8519	0.0366			
11/21/16 09:00	21.67	8.92	0.00000259	8519	0.0384			
11/21/16 10:00	22.83	8.66	0.00000273	8519	0.0396			
11/21/16 11:00	22.96	8.59	0.00000274	8519	0.0396			
11/21/16 12:00	22.95	8.57	0.00000274	8519	0.0396			
11/21/16 13:00	22.27	8.71	0.00000266	8519	0.0389			
11/21/16 14:00	22.30	8.68	0.00000266	8519	0.0388			
11/21/16 15:00	22.25	8.64	0.00000266	8519	0.0386			
11/21/16 16:00	22.27	8.63	0.00000266	8519	0.0386			
11/21/16 17:00	21.77	8.62	0.00000260	8519	0.0377			
11/21/16 18:00	21.16	8.57	0.00000253	8519	0.0365			
11/21/16 19:00	21.30	8.47	0.00000254	8519	0.0364			
11/21/16 20:00	20.94	8.54	0.00000250	8519	0.0360			
11/21/16 21:00	20.67	8.54	0.00000247	8519	0.0355			
11/21/16 22:00	20.59	8.56	0.00000246	8519	0.0355			
11/21/16 23:00	20.61	8.53	0.00000246	8519	0.0354	0.0373	0.0324	
11/22/16 00:00	20.74	8.52	0.00000248	8519	0.0356			
11/22/16 01:00	20.38	8.63	0.00000243	8519	0.0353			
11/22/16 02:00	20.45	8.71	0.00000244	8519	0.0357			
11/22/16 03:00	20.56	8.71	0.00000246	8519	0.0359			
11/22/16 04:00	20.58	8.71	0.00000246	8519	0.0359			
11/22/16 05:00	21.01	8.63	0.00000251	8519	0.0364			
11/22/16 06:00	22.33	8.58	0.00000267	8519	0.0385			
11/22/16 07:00	21.91	8.70	0.00000262	8519	0.0382			
11/22/16 08:00	20.46	8.78	0.00000244	8519	0.0359			
11/22/16 09:00	20.39	8.80	0.00000243	8519	0.0358			
11/22/16 10:00	20.43	8.81	0.00000244	8519	0.0359			
11/22/16 11:00	20.44	8.80	0.00000244	8519	0.0359			
11/22/16 12:00	20.39	8.77	0.00000243	8519	0.0357			
11/22/16 13:00	20.56	8.80	0.00000246	8519	0.0361			
11/22/16 14:00	20.56	8.75	0.00000245	8519	0.0360			
11/22/16 15:00	20.36	8.73	0.00000243	8519	0.0356			
11/22/16 16:00	20.33	8.70	0.00000243	8519	0.0354			
11/22/16 17:00	20.01	8.66	0.00000239	8519	0.0348			
11/22/16 18:00	19.97	8.63	0.00000238	8519	0.0346			
11/22/16 19:00	20.02	8.49	0.00000239	8519	0.0343			
11/22/16 20:00	19.83	8.62	0.00000237	8519	0.0343			
11/22/16 21:00	19.54	8.62	0.00000233	8519	0.0338			
11/22/16 22:00	19.44	8.59	0.00000232	8519	0.0336			
11/22/16 23:00	19.37	8.57	0.00000231	8519	0.0334	0.0355	0.0325	
11/23/16 00:00	19.47	8.57	0.00000232	8519	0.0336			
11/23/16 01:00	19.46	8.54	0.00000232	8519	0.0335			
11/23/16 02:00	19.50	8.53	0.00000233	8519	0.0335			
11/23/16 03:00	19.45	8.53	0.00000232	8519	0.0334			
11/23/16 04:00	19.50	8.53	0.00000233	8519	0.0335			
11/23/16 05:00	19.94	8.38	0.00000238	8519	0.0339			
11/23/16 06:00	20.72	8.32	0.00000247	8519	0.0350			
11/23/16 07:00	20.40	8.47	0.00000244	8519	0.0349			
11/23/16 08:00	19.99	8.49	0.00000239	8519	0.0343			
11/23/16 09:00	19.68	8.54	0.00000235	8519	0.0339			
11/23/16 10:00	19.64	8.57	0.00000234	8519	0.0339			
11/23/16 11:00	19.55	8.58	0.00000233	8519	0.0337			
11/23/16 12:00	19.64	8.54	0.00000235	8519	0.0338			
11/23/16 13:00	19.95	8.53	0.00000238	8519	0.0343			
11/23/16 14:00	19.81	8.54	0.00000237	8519	0.0341			
11/23/16 15:00	19.47	8.44	0.00000232	8519	0.0332			

	Boiler TB-01 - NOx							
	NO _x (ppmd)	O ₂ (% vol)	C _d (lb/scf)	F _d (scf/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	Comments
60.49b(g)(1)				60.49b(g)(7)	60.49b(g)(2)	60.49b(g)(3)	60.49b(g)(3)	60.49b(g)(4), 60.49b(g)(5), 60.49b(g)(6), 60.49b(g)(8), 60.49b(g)(9)
DATE/TIME	CEM	CEM	Method 19 Table 19-1	Method 19	Method 19 Eq. 19-1	Daily Average	30-DRA Limit = 0.1	
11/23/16 16:00	18.44	8.71	0.00000220	8519	0.0322			
11/23/16 17:00	17.18	9.15	0.00000205	8519	0.0311			
11/23/16 18:00	17.12	9.11	0.00000204	8519	0.0309			
11/23/16 19:00	17.18	8.99	0.00000205	8519	0.0307			
11/23/16 20:00	16.90	9.10	0.00000202	8519	0.0304			
11/23/16 21:00	16.90	9.09	0.00000202	8519	0.0304			
11/23/16 22:00	16.82	9.11	0.00000201	8519	0.0303			
11/23/16 23:00	17.10	8.90	0.00000204	8519	0.0303	0.0329	0.0326	
11/24/16 00:00	20.49	7.69	0.00000245	8519	0.0330			
11/24/16 01:00	19.37	7.81	0.00000231	8519	0.0315			
11/24/16 02:00	19.29	7.87	0.00000230	8519	0.0315			
11/24/16 03:00	19.20	7.82	0.00000229	8519	0.0312			
11/24/16 04:00	19.27	7.78	0.00000230	8519	0.0312			
11/24/16 05:00	19.63	7.70	0.00000234	8519	0.0316			
11/24/16 06:00	20.02	7.71	0.00000239	8519	0.0323			
11/24/16 07:00	18.83	8.31	0.00000225	8519	0.0318			
11/24/16 08:00	18.95	8.22	0.00000226	8519	0.0318			
11/24/16 09:00	19.13	8.15	0.00000228	8519	0.0319			
11/24/16 10:00	19.07	8.20	0.00000228	8519	0.0319			
11/24/16 11:00	18.98	8.17	0.00000227	8519	0.0317			
11/24/16 12:00	18.87	8.09	0.00000225	8519	0.0313			
11/24/16 13:00	18.81	8.07	0.00000225	8519	0.0312			
11/24/16 14:00	18.89	8.10	0.00000226	8519	0.0314			
11/24/16 15:00	18.91	8.09	0.00000226	8519	0.0314			
11/24/16 16:00	18.76	8.05	0.00000224	8519	0.0311			
11/24/16 17:00	18.82	8.04	0.00000225	8519	0.0311			
11/24/16 18:00	18.84	8.02	0.00000225	8519	0.0311			
11/24/16 19:00	18.93	7.93	0.00000226	8519	0.0310			
11/24/16 20:00	18.80	8.07	0.00000224	8519	0.0311			
11/24/16 21:00	18.85	8.10	0.00000225	8519	0.0313			
11/24/16 22:00	18.92	8.08	0.00000226	8519	0.0314			
11/24/16 23:00	18.89	8.07	0.00000226	8519	0.0313	0.0315	0.0327	
11/25/16 00:00	19.08	8.09	0.00000228	8519	0.0317			
11/25/16 01:00	18.90	8.08	0.00000226	8519	0.0313			
11/25/16 02:00	18.88	8.08	0.00000225	8519	0.0313			
11/25/16 03:00	18.53	8.08	0.00000221	8519	0.0307			
11/25/16 04:00	18.59	8.11	0.00000222	8519	0.0309			
11/25/16 05:00	19.22	7.99	0.00000229	8519	0.0316			
11/25/16 06:00	20.54	7.90	0.00000245	8519	0.0336			
11/25/16 07:00	20.60	7.98	0.00000246	8519	0.0339			
11/25/16 08:00	19.66	8.15	0.00000235	8519	0.0328			
11/25/16 09:00	19.68	8.21	0.00000235	8519	0.0330			
11/25/16 10:00	19.83	8.26	0.00000237	8519	0.0333			
11/25/16 11:00	19.91	8.27	0.00000238	8519	0.0335			
11/25/16 12:00	20.00	8.20	0.00000239	8519	0.0335			
11/25/16 13:00	19.97	8.21	0.00000238	8519	0.0335			
11/25/16 14:00	20.31	8.19	0.00000242	8519	0.0340			
11/25/16 15:00	20.68	8.12	0.00000247	8519	0.0344			
11/25/16 16:00	20.63	8.02	0.00000246	8519	0.0341			
11/25/16 17:00	20.62	7.94	0.00000246	8519	0.0338			
11/25/16 18:00	20.50	7.88	0.00000245	8519	0.0335			
11/25/16 19:00	20.60	7.68	0.00000246	8519	0.0331			
11/25/16 20:00	20.07	7.90	0.00000240	8519	0.0328			
11/25/16 21:00	20.33	8.07	0.00000243	8519	0.0337			
11/25/16 22:00	20.44	8.03	0.00000244	8519	0.0338			
11/25/16 23:00	20.43	8.04	0.00000244	8519	0.0338	0.0330	0.0328	
11/26/16 00:00	20.60	8.07	0.00000246	8519	0.0341			
11/26/16 01:00	20.77	8.04	0.00000248	8519	0.0343			
11/26/16 02:00	20.88	7.98	0.00000249	8519	0.0344			
11/26/16 03:00	20.86	8.00	0.00000249	8519	0.0344			
11/26/16 04:00	20.75	8.05	0.00000248	8519	0.0343			
11/26/16 05:00	21.11	7.95	0.00000252	8519	0.0347			
11/26/16 06:00	21.69	7.99	0.00000259	8519	0.0357			
11/26/16 07:00	22.31	7.60	0.00000266	8519	0.0356			
11/26/16 08:00	22.61	7.35	0.00000270	8519	0.0355			
11/26/16 09:00	22.44	7.36	0.00000268	8519	0.0352			
11/26/16 10:00	22.33	7.49	0.00000267	8519	0.0354			
11/26/16 11:00	22.45	7.58	0.00000268	8519	0.0358			
11/26/16 12:00	22.63	7.60	0.00000270	8519	0.0362			
11/26/16 13:00	22.64	7.47	0.00000270	8519	0.0358			
11/26/16 14:00	22.86	7.47	0.00000273	8519	0.0362			
11/26/16 15:00	22.66	7.41	0.00000271	8519	0.0357			
11/26/16 16:00	22.70	7.32	0.00000271	8519	0.0355			
11/26/16 17:00	22.56	7.20	0.00000269	8519	0.0350			
11/26/16 18:00	22.10	7.20	0.00000264	8519	0.0343			
11/26/16 19:00	22.60	7.26	0.00000270	8519	0.0352			
11/26/16 20:00	22.54	7.36	0.00000269	8519	0.0354			
11/26/16 21:00	22.77	7.38	0.00000272	8519	0.0358			
11/26/16 22:00	22.90	7.37	0.00000273	8519	0.0360			
11/26/16 23:00	22.88	7.37	0.00000273	8519	0.0360	0.0353	0.0331	
11/27/16 00:00	22.87	7.42	0.00000273	8519	0.0361			
11/27/16 01:00	22.96	7.32	0.00000274	8519	0.0360			
11/27/16 02:00	22.98	7.29	0.00000274	8519	0.0359			
11/27/16 03:00	23.04	7.25	0.00000275	8519	0.0359			
11/27/16 04:00	22.97	7.25	0.00000274	8519	0.0358			
11/27/16 05:00	23.29	7.08	0.00000278	8519	0.0358			

	Boiler TB-01 - NOx							
	NO _x (ppmd)	O ₂ (% vol)	C _d (lb/scf)	F _d (scf/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	Comments
60.49b(g)(1)				60.49b(g)(7)	60.49b(g)(2)	60.49b(g)(3)	60.49b(g)(3)	60.49b(g)(4), 60.49b(g)(5), 60.49b(g)(6), 60.49b(g)(8), 60.49b(g)(9)
DATE/TIME	CEM	CEM	Method 19 Table 19-1	Method 19	Method 19 Eq. 19-1	Daily Average	30-DRA Limit = 0.1	
11/27/16 06:00	23.69	7.08	0.00000283	8519	0.0364			
11/27/16 07:00	23.27	7.26	0.00000278	8519	0.0363			
11/27/16 08:00	22.93	7.21	0.00000274	8519	0.0356			
11/27/16 09:00	22.62	7.38	0.00000270	8519	0.0356			
11/27/16 10:00	22.34	7.41	0.00000267	8519	0.0352			
11/27/16 11:00	22.38	7.45	0.00000267	8519	0.0354			
11/27/16 12:00	22.41	7.37	0.00000268	8519	0.0352			
11/27/16 13:00	22.19	7.38	0.00000265	8519	0.0349			
11/27/16 14:00	22.21	7.39	0.00000265	8519	0.0349			
11/27/16 15:00	21.94	7.34	0.00000262	8519	0.0344			
11/27/16 16:00	21.78	7.29	0.00000260	8519	0.0340			
11/27/16 17:00	21.65	7.27	0.00000259	8519	0.0338			
11/27/16 18:00	21.55	7.24	0.00000257	8519	0.0336			
11/27/16 19:00	21.61	7.11	0.00000258	8519	0.0333			
11/27/16 20:00	21.13	7.35	0.00000252	8519	0.0332			
11/27/16 21:00	20.46	7.72	0.00000244	8519	0.0330			
11/27/16 22:00	20.35	7.90	0.00000243	8519	0.0333			
11/27/16 23:00	20.38	7.91	0.00000243	8519	0.0333	0.0349	0.0333	
11/28/16 00:00	20.27	7.87	0.00000242	8519	0.0331			
11/28/16 01:00	20.24	7.84	0.00000242	8519	0.0330			
11/28/16 02:00	20.16	7.82	0.00000241	8519	0.0328			
11/28/16 03:00	20.08	7.80	0.00000240	8519	0.0326			
11/28/16 04:00	19.89	7.80	0.00000238	8519	0.0323			
11/28/16 05:00	20.47	7.62	0.00000244	8519	0.0328			
11/28/16 06:00	21.59	7.56	0.00000258	8519	0.0344			
11/28/16 07:00	20.84	7.69	0.00000249	8519	0.0335			
11/28/16 08:00	19.63	7.62	0.00000234	8519	0.0314			
11/28/16 09:00	18.79	8.08	0.00000224	8519	0.0312			
11/28/16 10:00	18.33	8.21	0.00000219	8519	0.0307			
11/28/16 11:00	18.11	8.27	0.00000216	8519	0.0305			
11/28/16 12:00	18.06	8.23	0.00000216	8519	0.0303			
11/28/16 13:00	17.80	8.14	0.00000213	8519	0.0297			
11/28/16 14:00	17.77	8.14	0.00000212	8519	0.0296			
11/28/16 15:00	17.63	8.15	0.00000210	8519	0.0294			
11/28/16 16:00	17.66	8.11	0.00000211	8519	0.0293			
11/28/16 17:00	18.09	7.80	0.00000216	8519	0.0294			
11/28/16 18:00	17.85	7.78	0.00000213	8519	0.0289			
11/28/16 19:00	18.00	7.65	0.00000215	8519	0.0289			
11/28/16 20:00	17.84	7.74	0.00000213	8519	0.0288			
11/28/16 21:00	17.74	7.68	0.00000212	8519	0.0285			
11/28/16 22:00	17.78	7.67	0.00000212	8519	0.0286			
11/28/16 23:00	17.77	7.67	0.00000212	8519	0.0286	0.0308	0.0333	
11/29/16 00:00	17.68	7.70	0.00000211	8519	0.0285			
11/29/16 01:00	17.66	7.71	0.00000211	8519	0.0285			
11/29/16 02:00	17.75	7.71	0.00000212	8519	0.0286			
11/29/16 03:00	17.91	7.70	0.00000214	8519	0.0288			
11/29/16 04:00	17.89	7.70	0.00000214	8519	0.0288			
11/29/16 05:00	18.50	7.49	0.00000221	8519	0.0293			
11/29/16 06:00	19.89	6.96	0.00000237	8519	0.0303			
11/29/16 07:00	19.72	6.96	0.00000235	8519	0.0301			
11/29/16 08:00	19.83	6.96	0.00000237	8519	0.0302			
11/29/16 09:00	19.78	6.94	0.00000236	8519	0.0301			
11/29/16 10:00	19.63	6.91	0.00000234	8519	0.0298			
11/29/16 11:00	19.58	6.88	0.00000234	8519	0.0297			
11/29/16 12:00	19.47	6.90	0.00000232	8519	0.0296			
11/29/16 13:00	19.40	6.87	0.00000232	8519	0.0294			
11/29/16 14:00	18.45	7.32	0.00000220	8519	0.0289			
11/29/16 15:00	18.07	7.55	0.00000216	8519	0.0288			
11/29/16 16:00	18.09	7.58	0.00000216	8519	0.0289			
11/29/16 17:00	15.86	8.66	0.00000189	8519	0.0276			
11/29/16 18:00	15.79	8.59	0.00000189	8519	0.0273			
11/29/16 19:00	18.88	6.95	0.00000225	8519	0.0288			
11/29/16 20:00	16.79	8.23	0.00000201	8519	0.0282			
11/29/16 21:00	16.47	8.32	0.00000197	8519	0.0278			
11/29/16 22:00	17.33	7.85	0.00000207	8519	0.0282			
11/29/16 23:00	17.40	7.75	0.00000208	8519	0.0281	0.0289	0.0334	
11/30/16 00:00	17.35	7.73	0.00000207	8519	0.0280			
11/30/16 01:00	17.49	7.70	0.00000209	8519	0.0282			
11/30/16 02:00	17.46	7.70	0.00000209	8519	0.0281			
11/30/16 03:00	17.46	7.69	0.00000208	8519	0.0281			
11/30/16 04:00	17.45	7.69	0.00000208	8519	0.0281			
11/30/16 05:00	17.89	7.57	0.00000214	8519	0.0285			
11/30/16 06:00	18.32	7.57	0.00000219	8519	0.0292			
11/30/16 07:00	17.75	7.69	0.00000212	8519	0.0286			
11/30/16 08:00	17.52	7.75	0.00000209	8519	0.0283			
11/30/16 09:00	17.15	8.32	0.00000205	8519	0.0290			
11/30/16 10:00	20.28	8.22	0.00000242	8519	0.0340			
11/30/16 11:00	18.97	8.42	0.00000227	8519	0.0323			
11/30/16 12:00	18.02	8.88	0.00000215	8519	0.0319			
11/30/16 13:00	17.94	8.89	0.00000214	8519	0.0318			
11/30/16 14:00	18.51	8.92	0.00000221	8519	0.0328			
11/30/16 15:00	18.65	8.93	0.00000223	8519	0.0331			
11/30/16 16:00	18.84	8.93	0.00000225	8519	0.0334			
11/30/16 17:00	18.87	9.01	0.00000225	8519	0.0337			
11/30/16 18:00	18.98	9.07	0.00000227	8519	0.0341			
11/30/16 19:00	18.99	8.89	0.00000227	8519	0.0336			

	Boiler TB-01 - NOx							
	NO _x (ppmd)	O ₂ (% vol)	C _d (lb/scf)	F _d (scf/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	Comments
60.49b(g)(1)				60.49b(g)(7)	60.49b(g)(2)	60.49b(g)(3)	60.49b(g)(3)	60.49b(g)(4), 60.49b(g)(5), 60.49b(g)(6), 60.49b(g)(8), 60.49b(g)(9)
DATE/TIME	CEM	CEM	Method 19 Table 19-1	Method 19	Method 19 Eq. 19-1	Daily Average	30-DRA Limit = 0.1	
11/30/16 20:00	18.77	8.95	0.00000224	8519	0.0334			
11/30/16 21:00	18.48	8.86	0.00000221	8519	0.0326			
11/30/16 22:00	18.55	8.94	0.00000221	8519	0.0330			
11/30/16 23:00	18.50	8.94	0.00000221	8519	0.0329	0.0311	0.0335	
12/1/16 00:00	18.51	8.96	0.00000221	8519	0.0330			
12/1/16 01:00	18.84	9.13	0.00000225	8519	0.0340			
12/1/16 02:00	18.65	9.27	0.00000223	8519	0.0341			
12/1/16 03:00	18.67	9.15	0.00000223	8519	0.0338			
12/1/16 04:00	18.44	9.25	0.00000220	8520	0.0337			
12/1/16 05:00	18.82	9.01	0.00000225	8520	0.0337			
12/1/16 06:00	19.12	8.95	0.00000228	8520	0.0340			
12/1/16 07:00	18.85	9.12	0.00000225	8520	0.0340			
12/1/16 08:00	19.08	9.19	0.00000228	8520	0.0347			
12/1/16 09:00	18.99	9.23	0.00000227	8520	0.0346			
12/1/16 10:00	18.95	9.36	0.00000226	8520	0.0349			
12/1/16 11:00	18.82	9.36	0.00000225	8520	0.0347			
12/1/16 12:00	18.89	9.38	0.00000226	8520	0.0349			
12/1/16 13:00	18.86	9.37	0.00000225	8520	0.0348			
12/1/16 14:00	18.80	9.36	0.00000224	8520	0.0346			
12/1/16 15:00	18.82	9.26	0.00000225	8520	0.0344			
12/1/16 16:00	18.70	9.18	0.00000223	8520	0.0339			
12/1/16 17:00	18.61	9.20	0.00000222	8520	0.0338			
12/1/16 18:00	18.25	9.18	0.00000218	8520	0.0331			
12/1/16 19:00	18.14	9.08	0.00000217	8520	0.0326			
12/1/16 20:00	18.03	9.19	0.00000215	8520	0.0327			
12/1/16 21:00	18.05	9.17	0.00000216	8520	0.0327			
12/1/16 22:00	18.01	9.17	0.00000215	8520	0.0327			
12/1/16 23:00	18.00	9.16	0.00000215	8520	0.0326	0.0338	0.0336	
12/2/16 00:00	18.03	9.15	0.00000215	8520	0.0326			
12/2/16 01:00	17.98	9.15	0.00000215	8520	0.0325			
12/2/16 02:00	17.84	9.14	0.00000213	8520	0.0323			
12/2/16 03:00	17.86	9.16	0.00000213	8520	0.0323			
12/2/16 04:00	17.83	9.18	0.00000213	8520	0.0323			
12/2/16 05:00	18.78	9.13	0.00000224	8520	0.0339			
12/2/16 06:00	19.36	9.16	0.00000231	8520	0.0351			
12/2/16 07:00	18.89	9.34	0.00000225	8520	0.0347			
12/2/16 08:00	18.75	9.34	0.00000224	8520	0.0345			
12/2/16 09:00	18.45	9.37	0.00000220	8520	0.0340			
12/2/16 10:00	18.23	9.38	0.00000218	8520	0.0336			
12/2/16 11:00	18.10	9.43	0.00000216	8520	0.0335			
12/2/16 12:00	18.21	9.44	0.00000217	8520	0.0338			
12/2/16 13:00	18.22	9.40	0.00000218	8520	0.0337			
12/2/16 14:00	18.09	9.38	0.00000216	8520	0.0334			
12/2/16 15:00	18.08	9.34	0.00000216	8520	0.0333			
12/2/16 16:00	18.02	9.36	0.00000215	8520	0.0332			
12/2/16 17:00	18.20	9.36	0.00000217	8520	0.0335			
12/2/16 18:00	18.36	9.29	0.00000219	8520	0.0336			
12/2/16 19:00	18.49	9.14	0.00000221	8520	0.0334			
12/2/16 20:00	18.30	9.22	0.00000218	8520	0.0333			
12/2/16 21:00	18.07	9.20	0.00000216	8520	0.0328			
12/2/16 22:00	17.97	9.26	0.00000215	8520	0.0328			
12/2/16 23:00	17.85	9.32	0.00000213	8520	0.0328	0.0334	0.0337	
12/3/16 00:00	17.55	9.29	0.00000210	8520	0.0321			
12/3/16 01:00	17.50	9.25	0.00000209	8520	0.0319			
12/3/16 02:00	17.60	9.24	0.00000210	8520	0.0321			
12/3/16 03:00	17.60	9.24	0.00000210	8520	0.0321			
12/3/16 04:00	17.40	9.22	0.00000208	8520	0.0317			
12/3/16 05:00	17.67	9.06	0.00000211	8520	0.0317			
12/3/16 06:00	18.17	9.06	0.00000217	8520	0.0326			
12/3/16 07:00	17.74	9.29	0.00000212	8520	0.0325			
12/3/16 08:00	17.70	9.28	0.00000211	8520	0.0324			
12/3/16 09:00	17.65	9.33	0.00000211	8520	0.0324			
12/3/16 10:00	17.72	9.33	0.00000212	8520	0.0326			
12/3/16 11:00	17.42	9.31	0.00000208	8520	0.0320			
12/3/16 12:00	17.20	9.33	0.00000205	8520	0.0316			
12/3/16 13:00	17.03	9.32	0.00000203	8520	0.0313			
12/3/16 14:00	16.84	9.24	0.00000201	8520	0.0307			
12/3/16 15:00	16.93	9.26	0.00000202	8520	0.0309			
12/3/16 16:00	16.92	9.21	0.00000202	8520	0.0308			
12/3/16 17:00	16.97	9.25	0.00000203	8520	0.0310			
12/3/16 18:00	16.83	9.26	0.00000201	8520	0.0307			
12/3/16 19:00	16.91	9.17	0.00000202	8520	0.0306			
12/3/16 20:00	16.56	9.26	0.00000198	8520	0.0303			
12/3/16 21:00	16.31	9.24	0.00000195	8520	0.0297			
12/3/16 22:00	16.36	9.19	0.00000195	8520	0.0297			
12/3/16 23:00	16.31	9.24	0.00000195	8520	0.0297	0.0314	0.0338	
12/4/16 00:00	15.82	9.23	0.00000189	8520	0.0288			
12/4/16 01:00	15.62	9.17	0.00000187	8520	0.0283			
12/4/16 02:00	15.65	9.17	0.00000187	8520	0.0284			
12/4/16 03:00	15.72	9.15	0.00000188	8520	0.0284			
12/4/16 04:00	15.78	9.10	0.00000188	8520	0.0284			
12/4/16 05:00	15.79	9.07	0.00000189	8520	0.0284			
12/4/16 06:00	15.84	9.10	0.00000189	8520	0.0286			
12/4/16 07:00	16.03	9.12	0.00000191	8520	0.0289			
12/4/16 08:00	15.90	9.04	0.00000190	8520	0.0285			
12/4/16 09:00	15.46	9.03	0.00000185	8520	0.0277			

	Boiler TB-01 - NOx							Comments
	NO _x (ppmd)	O ₂ (% vol)	C _d (lb/scf)	F _d (scf/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	
60.49b(g)(1)				60.49b(g)(7)	60.49b(g)(2)	60.49b(g)(3)	60.49b(g)(3)	60.49b(g)(4), 60.49b(g)(5), 60.49b(g)(6), 60.49b(g)(8), 60.49b(g)(9)
DATE/TIME	CEM	CEM	Method 19 Table 19-1	Method 19	Method 19 Eq. 19-1	Daily Average	30-DRA Limit = 0.1	
12/4/16 10:00	15.47	9.03	0.00000185	8520	0.0277			
12/4/16 11:00	15.23	9.09	0.00000182	8520	0.0274			
12/4/16 12:00	15.13	9.09	0.00000181	8520	0.0272			
12/4/16 13:00	15.15	9.04	0.00000181	8520	0.0272			
12/4/16 14:00	15.53	9.17	0.00000185	8520	0.0281			
12/4/16 15:00	15.21	9.29	0.00000182	8520	0.0278			
12/4/16 16:00	14.93	9.39	0.00000178	8520	0.0276			
12/4/16 17:00	14.92	9.39	0.00000178	8520	0.0276			
12/4/16 18:00	15.27	9.26	0.00000182	8520	0.0279			
12/4/16 19:00	15.79	9.07	0.00000189	8520	0.0284			
12/4/16 20:00	15.81	9.18	0.00000189	8520	0.0287			
12/4/16 21:00	15.91	9.16	0.00000190	8520	0.0288			
12/4/16 22:00	16.05	9.08	0.00000192	8520	0.0289			
12/4/16 23:00	16.18	9.11	0.00000193	8520	0.0292	0.0282	0.0339	
12/5/16 00:00	16.01	9.12	0.00000191	8520	0.0289			
12/5/16 01:00	15.99	9.10	0.00000191	8520	0.0288			
12/5/16 02:00	15.98	9.11	0.00000191	8520	0.0288			
12/5/16 03:00	16.09	9.14	0.00000192	8520	0.0291			
12/5/16 04:00	16.16	9.09	0.00000193	8520	0.0291			
12/5/16 05:00	16.41	8.90	0.00000196	8520	0.0291			
12/5/16 06:00	16.99	8.89	0.00000203	8520	0.0301			
12/5/16 07:00	16.64	9.06	0.00000199	8520	0.0299			
12/5/16 08:00	16.68	8.96	0.00000199	8520	0.0297			
12/5/16 09:00	16.53	8.95	0.00000197	8520	0.0294			
12/5/16 10:00	16.22	9.07	0.00000194	8520	0.0292			
12/5/16 11:00	15.50	9.18	0.00000185	8520	0.0281			
12/5/16 12:00	15.81	9.09	0.00000189	8520	0.0285			
12/5/16 13:00	16.24	9.03	0.00000194	8520	0.0291			
12/5/16 14:00	16.22	8.94	0.00000194	8520	0.0288			
12/5/16 15:00	16.47	8.79	0.00000197	8520	0.0289			
12/5/16 16:00	16.83	8.79	0.00000201	8520	0.0296			
12/5/16 17:00	17.31	8.70	0.00000207	8520	0.0302			
12/5/16 18:00	18.04	8.25	0.00000215	8520	0.0303			
12/5/16 19:00	18.17	8.14	0.00000217	8520	0.0303			
12/5/16 20:00	18.04	8.26	0.00000215	8520	0.0303			
12/5/16 21:00	18.49	8.23	0.00000221	8520	0.0310			
12/5/16 22:00	18.48	8.12	0.00000221	8520	0.0307			
12/5/16 23:00	18.43	8.07	0.00000220	8520	0.0305	0.0295	0.0340	
12/6/16 00:00	18.02	8.06	0.00000215	8520	0.0298			
12/6/16 01:00	18.35	8.20	0.00000219	8520	0.0307			
12/6/16 02:00	18.81	8.18	0.00000225	8520	0.0314			
12/6/16 03:00	19.13	8.18	0.00000228	8520	0.0320			
12/6/16 04:00	19.23	8.17	0.00000230	8520	0.0321			
12/6/16 05:00	19.84	8.03	0.00000237	8520	0.0328			
12/6/16 06:00	20.69	7.97	0.00000247	8520	0.0340			
12/6/16 07:00	20.22	8.15	0.00000241	8520	0.0337			
12/6/16 08:00	20.04	8.25	0.00000239	8520	0.0337			
12/6/16 09:00	20.01	8.22	0.00000239	8520	0.0336			
12/6/16 10:00	20.10	8.22	0.00000240	8520	0.0337			
12/6/16 11:00	20.02	8.22	0.00000239	8520	0.0336			
12/6/16 12:00	19.97	8.24	0.00000238	8520	0.0335			
12/6/16 13:00	19.95	8.22	0.00000238	8520	0.0335			
12/6/16 14:00	19.94	8.23	0.00000238	8520	0.0335			
12/6/16 15:00	20.05	8.22	0.00000239	8520	0.0336			
12/6/16 16:00	19.88	8.28	0.00000237	8520	0.0335			
12/6/16 17:00	19.91	8.33	0.00000238	8520	0.0337			
12/6/16 18:00	19.86	8.31	0.00000237	8520	0.0335			
12/6/16 19:00	20.03	8.18	0.00000239	8520	0.0335			
12/6/16 20:00	19.79	8.33	0.00000236	8520	0.0335			
12/6/16 21:00	19.83	8.32	0.00000237	8520	0.0335			
12/6/16 22:00	19.68	8.32	0.00000235	8520	0.0333			
12/6/16 23:00	19.74	8.32	0.00000236	8520	0.0334	0.0330	0.0342	
12/7/16 00:00	19.68	8.31	0.00000235	8520	0.0332			
12/7/16 01:00	19.57	8.31	0.00000234	8520	0.0330			
12/7/16 02:00	21.16	7.76	0.00000253	8520	0.0342			
12/7/16 03:00	22.93	6.81	0.00000274	8520	0.0346			
12/7/16 04:00	23.35	6.63	0.00000279	8520	0.0348			
12/7/16 05:00	23.60	6.54	0.00000282	8520	0.0349			
12/7/16 06:00	24.42	6.38	0.00000292	8520	0.0358			
12/7/16 07:00	23.92	6.51	0.00000286	8520	0.0353			
12/7/16 08:00	24.09	6.61	0.00000288	8520	0.0358			
12/7/16 09:00	23.56	6.68	0.00000281	8520	0.0352			
12/7/16 10:00	23.45	6.66	0.00000280	8520	0.0350			
12/7/16 11:00	23.41	6.60	0.00000280	8520	0.0348			
12/7/16 12:00	23.40	6.62	0.00000279	8520	0.0348			
12/7/16 13:00	23.53	6.62	0.00000281	8520	0.0350			
12/7/16 14:00	23.50	6.56	0.00000281	8520	0.0348			
12/7/16 15:00	23.64	6.57	0.00000282	8520	0.0351			
12/7/16 16:00	23.53	6.55	0.00000281	8520	0.0349			
12/7/16 17:00	23.52	6.52	0.00000281	8520	0.0348			
12/7/16 18:00	23.34	6.52	0.00000279	8520	0.0345			
12/7/16 19:00	23.44	6.45	0.00000280	8520	0.0345			
12/7/16 20:00	21.52	7.67	0.00000257	8520	0.0346			
12/7/16 21:00	21.40	7.78	0.00000255	8520	0.0347			
12/7/16 22:00	21.13	7.89	0.00000252	8520	0.0345			
12/7/16 23:00	20.48	8.33	0.00000244	8520	0.0346	0.0347	0.0345	

	Boiler TB-01 - NOx							
	NO _x (ppmd)	O ₂ (% vol)	C _d (lb/scf)	F _d (scf/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	Comments
60.49b(g)(1)				60.49b(g)(7)	60.49b(g)(2)	60.49b(g)(3)	60.49b(g)(3)	60.49b(g)(4), 60.49b(g)(5), 60.49b(g)(6), 60.49b(g)(8), 60.49b(g)(9)
DATE/TIME	CEM	CEM	Method 19 Table 19-1	Method 19	Method 19 Eq. 19-1	Daily Average	30-DRA Limit = 0.1	
12/8/16 00:00	20.48	8.36	0.00000245	8520	0.0347			
12/8/16 01:00	20.46	8.31	0.00000244	8520	0.0346			
12/8/16 02:00	20.42	8.30	0.00000244	8520	0.0344			
12/8/16 03:00	20.35	8.33	0.00000243	8520	0.0344			
12/8/16 04:00	20.34	8.45	0.00000243	8542	0.0348			
12/8/16 05:00	20.73	8.38	0.00000247	8542	0.0353			
12/8/16 06:00	21.87	8.38	0.00000261	8542	0.0373			
12/8/16 07:00	21.22	8.71	0.00000253	8542	0.0371			
12/8/16 08:00	20.56	8.78	0.00000245	8542	0.0362			
12/8/16 09:00	20.37	8.83	0.00000243	8542	0.0360			
12/8/16 10:00	20.29	8.94	0.00000242	8542	0.0362			
12/8/16 11:00	19.86	9.02	0.00000237	8542	0.0356			
12/8/16 12:00	19.89	9.02	0.00000238	8542	0.0357			
12/8/16 13:00	20.23	9.00	0.00000242	8542	0.0363			
12/8/16 14:00	20.34	8.97	0.00000243	8542	0.0364			
12/8/16 15:00	20.45	8.96	0.00000244	8542	0.0365			
12/8/16 16:00	20.42	8.96	0.00000244	8542	0.0365			
12/8/16 17:00	20.61	8.94	0.00000246	8542	0.0367			
12/8/16 18:00	21.04	8.84	0.00000251	8542	0.0372			
12/8/16 19:00	20.95	8.98	0.00000250	8542	0.0375			
12/8/16 20:00	21.07	8.89	0.00000252	8542	0.0374			
12/8/16 21:00	21.13	8.91	0.00000252	8542	0.0376			
12/8/16 22:00	20.91	9.05	0.00000250	8542	0.0376			
12/8/16 23:00	20.85	9.00	0.00000249	8542	0.0373	0.0362	0.0347	
12/9/16 00:00	20.65	9.14	0.00000247	8542	0.0374			
12/9/16 01:00	20.64	9.08	0.00000246	8542	0.0372			
12/9/16 02:00	20.51	9.08	0.00000245	8542	0.0370			
12/9/16 03:00	20.20	9.19	0.00000241	8542	0.0368			
12/9/16 04:00	20.34	9.33	0.00000243	8542	0.0375			
12/9/16 05:00	20.76	9.24	0.00000248	8542	0.0380			
12/9/16 06:00	21.88	9.07	0.00000261	8542	0.0394			
12/9/16 07:00	21.54	9.21	0.00000257	8542	0.0393			
12/9/16 08:00	21.01	9.24	0.00000251	8542	0.0384			
12/9/16 09:00	20.91	9.24	0.00000250	8542	0.0382			
12/9/16 10:00	20.55	9.31	0.00000245	8542	0.0378			
12/9/16 11:00	20.21	9.35	0.00000241	8542	0.0373			
12/9/16 12:00	20.11	9.28	0.00000240	8542	0.0369			
12/9/16 13:00	20.18	9.32	0.00000241	8542	0.0371			
12/9/16 14:00	20.28	9.29	0.00000242	8542	0.0372			
12/9/16 15:00	20.40	9.27	0.00000244	8542	0.0374			
12/9/16 16:00	20.36	9.21	0.00000243	8542	0.0371			
12/9/16 17:00	20.32	9.28	0.00000243	8542	0.0373			
12/9/16 18:00	20.49	9.32	0.00000245	8542	0.0377			
12/9/16 19:00	20.22	9.39	0.00000241	8542	0.0374			
12/9/16 20:00	20.11	9.40	0.00000240	8542	0.0373			
12/9/16 21:00	20.19	9.40	0.00000241	8542	0.0374			
12/9/16 22:00	20.02	9.44	0.00000239	8542	0.0372			
12/9/16 23:00	20.11	9.46	0.00000240	8542	0.0375	0.0376	0.0348	
12/10/16 00:00	20.00	9.42	0.00000239	8542	0.0371			
12/10/16 01:00	19.74	9.56	0.00000236	8542	0.0371			
12/10/16 02:00	19.68	9.48	0.00000235	8542	0.0367			
12/10/16 03:00	19.63	9.55	0.00000234	8542	0.0369			
12/10/16 04:00	19.98	9.61	0.00000239	8542	0.0377			
12/10/16 05:00	20.34	9.49	0.00000243	8542	0.0380			
12/10/16 06:00	21.23	9.44	0.00000253	8542	0.0395			
12/10/16 07:00	20.77	9.55	0.00000248	8542	0.0390			
12/10/16 08:00	20.24	9.39	0.00000242	8542	0.0375			
12/10/16 09:00	19.89	9.30	0.00000237	8542	0.0365			
12/10/16 10:00	20.14	9.29	0.00000240	8542	0.0370			
12/10/16 11:00	20.44	9.27	0.00000244	8542	0.0375			
12/10/16 12:00	20.83	9.19	0.00000249	8542	0.0379			
12/10/16 13:00	20.75	9.21	0.00000248	8542	0.0378			
12/10/16 14:00	20.79	9.23	0.00000248	8542	0.0380			
12/10/16 15:00	20.79	9.22	0.00000248	8542	0.0380			
12/10/16 16:00	20.74	9.12	0.00000248	8542	0.0375			
12/10/16 17:00	20.46	9.15	0.00000244	8542	0.0371			
12/10/16 18:00	20.51	9.02	0.00000245	8542	0.0368			
12/10/16 19:00	20.03	9.13	0.00000239	8542	0.0363			
12/10/16 20:00	20.03	9.15	0.00000239	8542	0.0363			
12/10/16 21:00	20.03	9.13	0.00000239	8542	0.0363			
12/10/16 22:00	19.99	9.12	0.00000239	8542	0.0362			
12/10/16 23:00	19.95	9.12	0.00000238	8542	0.0361	0.0373	0.0349	
12/11/16 00:00	19.82	9.10	0.00000237	8542	0.0358			
12/11/16 01:00	19.68	9.00	0.00000235	8542	0.0352			
12/11/16 02:00	19.42	8.98	0.00000232	8542	0.0347			
12/11/16 03:00	19.23	9.08	0.00000230	8542	0.0347			
12/11/16 04:00	19.19	9.01	0.00000229	8542	0.0344			
12/11/16 05:00	19.56	8.95	0.00000234	8542	0.0349			
12/11/16 06:00	20.79	8.94	0.00000248	8542	0.0371			
12/11/16 07:00	19.85	9.12	0.00000237	8542	0.0359			
12/11/16 08:00	18.87	9.20	0.00000225	8542	0.0344			
12/11/16 09:00	18.82	9.18	0.00000225	8542	0.0342			
12/11/16 10:00	19.05	9.10	0.00000227	8542	0.0344			
12/11/16 11:00	19.28	9.04	0.00000230	8542	0.0346			
12/11/16 12:00	19.21	9.02	0.00000229	8542	0.0345			
12/11/16 13:00	19.23	8.99	0.00000230	8542	0.0344			

	Boiler TB-01 - NOx							Comments
	NO _x (ppmd)	O ₂ (% vol)	C _d (lb/scf)	F _d (scf/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	
60.49b(g)(1)				60.49b(g)(7)	60.49b(g)(2)	60.49b(g)(3)	60.49b(g)(3)	60.49b(g)(4), 60.49b(g)(5), 60.49b(g)(6), 60.49b(g)(8), 60.49b(g)(9)
DATE/TIME	CEM	CEM	Method 19 Table 19-1	Method 19	Method 19 Eq. 19-1	Daily Average	30-DRA Limit = 0.1	
12/11/16 14:00	19.07	8.99	0.00000228	8542	0.0341			
12/11/16 15:00	19.04	8.95	0.00000227	8542	0.0340			
12/11/16 16:00	18.97	8.88	0.00000227	8542	0.0336			
12/11/16 17:00	18.87	8.85	0.00000225	8542	0.0334			
12/11/16 18:00	18.59	8.79	0.00000222	8542	0.0327			
12/11/16 19:00	18.27	8.90	0.00000218	8542	0.0325			
12/11/16 20:00	18.42	8.84	0.00000220	8542	0.0326			
12/11/16 21:00	18.57	8.83	0.00000222	8542	0.0328			
12/11/16 22:00	18.36	8.85	0.00000219	8542	0.0325			
12/11/16 23:00	18.36	8.83	0.00000219	8542	0.0324	0.0342	0.0347	
12/12/16 00:00	18.14	8.81	0.00000217	8542	0.0320			
12/12/16 01:00	18.25	8.83	0.00000218	8542	0.0322			
12/12/16 02:00	18.23	8.80	0.00000218	8542	0.0321			
12/12/16 03:00	18.14	8.77	0.00000217	8542	0.0319			
12/12/16 04:00	18.20	8.80	0.00000217	8542	0.0321			
12/12/16 05:00	18.65	8.68	0.00000223	8542	0.0325			
12/12/16 06:00	19.43	8.61	0.00000232	8542	0.0337			
12/12/16 07:00	18.86	8.75	0.00000225	8542	0.0331			
12/12/16 08:00	18.07	8.73	0.00000216	8542	0.0317			
12/12/16 09:00	17.75	8.74	0.00000212	8542	0.0311			
12/12/16 10:00	17.74	8.78	0.00000212	8542	0.0312			
12/12/16 11:00	17.92	8.78	0.00000214	8542	0.0315			
12/12/16 12:00	17.94	8.79	0.00000214	8542	0.0316			
12/12/16 13:00	17.90	8.76	0.00000214	8542	0.0314			
12/12/16 14:00	17.85	8.71	0.00000213	8542	0.0312			
12/12/16 15:00	17.95	8.65	0.00000214	8542	0.0312			
12/12/16 16:00	17.88	8.58	0.00000214	8542	0.0310			
12/12/16 17:00	17.46	8.61	0.00000209	8542	0.0303			
12/12/16 18:00	17.47	8.53	0.00000209	8542	0.0301			
12/12/16 19:00	17.27	8.62	0.00000206	8542	0.0300			
12/12/16 20:00	17.13	8.64	0.00000204	8542	0.0298			
12/12/16 21:00	17.04	8.70	0.00000203	8542	0.0298			
12/12/16 22:00	16.90	8.72	0.00000202	8542	0.0296			
12/12/16 23:00	17.06	8.70	0.00000204	8542	0.0298	0.0313	0.0345	
12/13/16 00:00	17.01	8.69	0.00000203	8542	0.0297			
12/13/16 01:00	16.95	8.67	0.00000202	8542	0.0295			
12/13/16 02:00	17.00	8.68	0.00000203	8542	0.0296			
12/13/16 03:00	16.90	8.67	0.00000202	8542	0.0294			
12/13/16 04:00	16.82	8.67	0.00000201	8542	0.0293			
12/13/16 05:00	17.15	8.49	0.00000205	8542	0.0295			
12/13/16 06:00	18.31	8.43	0.00000219	8542	0.0313			
12/13/16 07:00	18.02	8.59	0.00000215	8542	0.0312			
12/13/16 08:00	16.96	8.66	0.00000202	8542	0.0295			
12/13/16 09:00	16.83	8.67	0.00000201	8542	0.0293			
12/13/16 10:00	16.83	8.66	0.00000201	8542	0.0293			
12/13/16 11:00	16.91	8.67	0.00000202	8542	0.0295			
12/13/16 12:00	16.87	8.67	0.00000201	8542	0.0294			
12/13/16 13:00	16.91	8.69	0.00000202	8542	0.0295			
12/13/16 14:00	16.87	8.64	0.00000201	8542	0.0293			
12/13/16 15:00	16.97	8.59	0.00000203	8542	0.0294			
12/13/16 16:00	16.96	8.61	0.00000202	8542	0.0294			
12/13/16 17:00	16.88	8.73	0.00000202	8542	0.0296			
12/13/16 18:00	17.00	8.62	0.00000203	8542	0.0295			
12/13/16 19:00	17.15	8.66	0.00000205	8542	0.0299			
12/13/16 20:00	16.92	8.70	0.00000202	8542	0.0296			
12/13/16 21:00	17.04	8.76	0.00000203	8542	0.0299			
12/13/16 22:00	17.30	8.62	0.00000207	8542	0.0300			
12/13/16 23:00	17.34	8.56	0.00000207	8542	0.0299	0.0297	0.0342	
12/14/16 00:00	17.32	8.58	0.00000207	8542	0.0300			
12/14/16 01:00	17.25	8.58	0.00000206	8542	0.0299			
12/14/16 02:00	17.20	8.64	0.00000205	8542	0.0299			
12/14/16 03:00	17.19	8.62	0.00000205	8542	0.0298			
12/14/16 04:00	17.19	8.66	0.00000205	8542	0.0299			
12/14/16 05:00	17.59	8.55	0.00000210	8542	0.0304			
12/14/16 06:00	18.27	8.50	0.00000218	8542	0.0314			
12/14/16 07:00	17.82	8.67	0.00000213	8542	0.0310			
12/14/16 08:00	17.79	8.72	0.00000212	8542	0.0311			
12/14/16 09:00	17.81	8.71	0.00000213	8542	0.0312			
12/14/16 10:00	17.59	8.74	0.00000210	8542	0.0308			
12/14/16 11:00	17.87	8.65	0.00000213	8542	0.0311			
12/14/16 12:00	17.78	8.66	0.00000212	8542	0.0310			
12/14/16 13:00	17.94	8.66	0.00000214	8542	0.0312			
12/14/16 14:00	17.93	8.65	0.00000214	8542	0.0312			
12/14/16 15:00	18.11	8.65	0.00000216	8542	0.0315			
12/14/16 16:00	18.18	8.66	0.00000217	8542	0.0317			
12/14/16 17:00	18.22	8.67	0.00000218	8542	0.0318			
12/14/16 18:00	18.42	8.59	0.00000220	8542	0.0319			
12/14/16 19:00	18.24	8.72	0.00000218	8542	0.0319			
12/14/16 20:00	18.41	8.77	0.00000220	8542	0.0324			
12/14/16 21:00	18.53	8.83	0.00000221	8542	0.0327			
12/14/16 22:00	18.45	8.94	0.00000220	8542	0.0329			
12/14/16 23:00	18.49	9.02	0.00000221	8542	0.0332	0.0312	0.0339	
12/15/16 00:00	18.54	9.07	0.00000221	8542	0.0334			
12/15/16 01:00	18.71	9.08	0.00000223	8542	0.0337			
12/15/16 02:00	18.93	9.10	0.00000226	8542	0.0342			
12/15/16 03:00	19.07	9.18	0.00000228	8542	0.0347			

	Boiler TB-01 - NOx							Comments
	NO _x (ppmd)	O ₂ (% vol)	C _d (lb/scf)	F _d (scf/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	
60.49b(g)(1)				60.49b(g)(7)	60.49b(g)(2)	60.49b(g)(3)	60.49b(g)(3)	60.49b(g)(4), 60.49b(g)(5), 60.49b(g)(6), 60.49b(g)(8), 60.49b(g)(9)
DATE/TIME	CEM	CEM	Method 19 Table 19-1	Method 19	Method 19 Eq. 19-1	Daily Average	30-DRA Limit = 0.1	
12/15/16 04:00	19.26	9.23	0.00000230	8525	0.0351			
12/15/16 05:00	19.59	9.19	0.00000234	8525	0.0356			
12/15/16 06:00	20.06	9.26	0.00000240	8525	0.0367			
12/15/16 07:00	19.60	9.42	0.00000234	8525	0.0363			
12/15/16 08:00	19.44	9.45	0.00000232	8525	0.0361			
12/15/16 09:00	19.46	9.45	0.00000232	8525	0.0361			
12/15/16 10:00	19.34	9.34	0.00000231	8525	0.0356			
12/15/16 11:00	19.49	9.21	0.00000233	8525	0.0355			
12/15/16 12:00	19.38	9.14	0.00000231	8525	0.0350			
12/15/16 13:00	19.85	8.93	0.00000237	8525	0.0353			
12/15/16 14:00	20.05	8.86	0.00000239	8525	0.0354			
12/15/16 15:00	20.15	8.85	0.00000241	8525	0.0356			
12/15/16 16:00	20.17	8.80	0.00000241	8525	0.0355			
12/15/16 17:00	19.93	8.73	0.00000238	8525	0.0349			
12/15/16 18:00	20.30	8.58	0.00000242	8525	0.0351			
12/15/16 19:00	20.73	8.49	0.00000247	8525	0.0355			
12/15/16 20:00	20.64	8.55	0.00000246	8525	0.0356			
12/15/16 21:00	20.67	8.59	0.00000247	8525	0.0357			
12/15/16 22:00	20.66	8.51	0.00000247	8525	0.0355			
12/15/16 23:00	20.48	8.55	0.00000245	8525	0.0353	0.0353	0.0337	
12/16/16 00:00	20.66	8.61	0.00000247	8525	0.0358			
12/16/16 01:00	20.49	8.65	0.00000245	8525	0.0356			
12/16/16 02:00	20.45	8.65	0.00000244	8525	0.0355			
12/16/16 03:00	20.35	8.59	0.00000243	8525	0.0352			
12/16/16 04:00	20.24	8.58	0.00000242	8525	0.0349			
12/16/16 05:00	20.38	8.46	0.00000243	8525	0.0348			
12/16/16 06:00	21.06	8.38	0.00000251	8525	0.0358			
12/16/16 07:00	20.71	8.54	0.00000247	8525	0.0356			
12/16/16 08:00	20.51	8.47	0.00000245	8525	0.0351			
12/16/16 09:00	20.04	8.50	0.00000239	8525	0.0344			
12/16/16 10:00	19.60	8.58	0.00000234	8525	0.0338			
12/16/16 11:00	19.52	8.61	0.00000233	8525	0.0338			
12/16/16 12:00	19.49	8.52	0.00000233	8525	0.0335			
12/16/16 13:00	19.34	8.52	0.00000231	8525	0.0332			
12/16/16 14:00	19.24	8.41	0.00000230	8525	0.0328			
12/16/16 15:00	18.88	8.38	0.00000225	8525	0.0321			
12/16/16 16:00	18.71	8.37	0.00000223	8525	0.0318			
12/16/16 17:00	18.61	8.30	0.00000222	8525	0.0314			
12/16/16 18:00	18.82	8.24	0.00000225	8525	0.0316			
12/16/16 19:00	18.50	8.29	0.00000221	8525	0.0312			
12/16/16 20:00	18.31	8.35	0.00000219	8525	0.0310			
12/16/16 21:00	18.28	8.33	0.00000218	8525	0.0309			
12/16/16 22:00	18.15	8.32	0.00000217	8525	0.0307			
12/16/16 23:00	18.14	8.28	0.00000217	8525	0.0306	0.0334	0.0335	
12/17/16 00:00	18.18	8.24	0.00000217	8525	0.0306			
12/17/16 01:00	17.99	8.23	0.00000215	8525	0.0302			
12/17/16 02:00	18.02	8.21	0.00000215	8525	0.0302			
12/17/16 03:00	17.89	8.21	0.00000214	8525	0.0300			
12/17/16 04:00	17.85	8.21	0.00000213	8525	0.0299			
12/17/16 05:00	18.11	8.08	0.00000216	8525	0.0300			
12/17/16 06:00	18.90	8.03	0.00000226	8525	0.0312			
12/17/16 07:00	18.57	8.14	0.00000222	8525	0.0310			
12/17/16 08:00	18.19	8.13	0.00000217	8525	0.0303			
12/17/16 09:00	17.65	8.17	0.00000211	8525	0.0295			
12/17/16 10:00	17.47	8.19	0.00000209	8525	0.0292			
12/17/16 11:00	17.53	8.20	0.00000209	8525	0.0294			
12/17/16 12:00	17.48	8.20	0.00000209	8525	0.0293			
12/17/16 13:00	17.33	8.22	0.00000207	8525	0.0291			
12/17/16 14:00	17.36	8.20	0.00000207	8525	0.0291			
12/17/16 15:00	17.16	8.22	0.00000205	8525	0.0288			
12/17/16 16:00	17.17	8.18	0.00000205	8525	0.0287			
12/17/16 17:00	17.09	8.20	0.00000204	8525	0.0286			
12/17/16 18:00	17.26	8.14	0.00000206	8525	0.0288			
12/17/16 19:00	17.20	8.12	0.00000205	8525	0.0286			
12/17/16 20:00	17.15	8.18	0.00000205	8525	0.0287			
12/17/16 21:00	17.27	8.17	0.00000206	8525	0.0289			
12/17/16 22:00	17.37	8.14	0.00000207	8525	0.0290			
12/17/16 23:00	17.37	8.12	0.00000207	8525	0.0289	0.0295	0.0333	
12/18/16 00:00	17.41	8.13	0.00000208	8525	0.0290			
12/18/16 01:00	17.37	8.14	0.00000207	8525	0.0290			
12/18/16 02:00	17.45	8.16	0.00000208	8525	0.0292			
12/18/16 03:00	17.46	8.15	0.00000208	8525	0.0291			
12/18/16 04:00	17.55	8.16	0.00000210	8525	0.0293			
12/18/16 05:00	17.89	8.02	0.00000214	8525	0.0295			
12/18/16 06:00	18.67	8.01	0.00000223	8525	0.0308			
12/18/16 07:00	19.47	8.45	0.00000232	8525	0.0333			
12/18/16 08:00	19.57	8.77	0.00000234	8525	0.0343			
12/18/16 09:00	19.51	9.07	0.00000233	8525	0.0351			
12/18/16 10:00	19.35	9.04	0.00000231	8525	0.0347			
12/18/16 11:00	19.13	9.38	0.00000228	8525	0.0353			
12/18/16 12:00	19.09	9.28	0.00000228	8525	0.0349			
12/18/16 13:00	18.73	9.54	0.00000224	8525	0.0351			
12/18/16 14:00	18.69	9.79	0.00000223	8525	0.0358			
12/18/16 15:00	18.16	9.76	0.00000217	8525	0.0347			
12/18/16 16:00	18.19	9.74	0.00000217	8525	0.0347			
12/18/16 17:00	18.50	9.78	0.00000221	8525	0.0354			

	Boiler TB-01 - NOx							Comments
	NO _x (ppmd)	O ₂ (% vol)	C _d (lb/scf)	F _d (scf/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	
60.49b(g)(1)				60.49b(g)(7)	60.49b(g)(2)	60.49b(g)(3)	60.49b(g)(3)	60.49b(g)(4), 60.49b(g)(5), 60.49b(g)(6), 60.49b(g)(8), 60.49b(g)(9)
DATE/TIME	CEM	CEM	Method 19 Table 19-1	Method 19	Method 19 Eq. 19-1	Daily Average	30-DRA Limit = 0.1	
12/18/16 18:00	19.28	9.69	0.00000230	8525	0.0366			
12/18/16 19:00	19.24	9.60	0.00000230	8525	0.0362			
12/18/16 20:00	19.35	9.62	0.00000231	8525	0.0365			
12/18/16 21:00	19.41	9.60	0.00000232	8525	0.0365			
12/18/16 22:00	19.42	9.61	0.00000232	8525	0.0366			
12/18/16 23:00	19.39	9.55	0.00000231	8525	0.0363	0.0337	0.0334	
12/19/16 00:00	19.43	9.68	0.00000232	8525	0.0369			
12/19/16 01:00	19.38	9.64	0.00000231	8525	0.0366			
12/19/16 02:00	19.41	9.59	0.00000232	8525	0.0365			
12/19/16 03:00	19.49	9.58	0.00000233	8525	0.0366			
12/19/16 04:00	19.58	9.59	0.00000234	8525	0.0368			
12/19/16 05:00	21.32	9.12	0.00000255	8525	0.0385			
12/19/16 06:00	22.88	8.89	0.00000273	8525	0.0405			
12/19/16 07:00	22.27	9.01	0.00000266	8525	0.0398			
12/19/16 08:00	47.30	7.69	0.00000565	8525	0.0762			
12/19/16 09:00	21.96	8.01	0.00000262	8525	0.0362			
12/19/16 10:00	21.42	7.95	0.00000256	8525	0.0352			
12/19/16 11:00	21.32	7.89	0.00000255	8525	0.0348			
12/19/16 12:00	21.27	7.71	0.00000254	8525	0.0343			
12/19/16 13:00	21.38	7.62	0.00000255	8525	0.0342			
12/19/16 14:00	21.50	7.51	0.00000257	8525	0.0342			
12/19/16 15:00	21.55	7.40	0.00000257	8525	0.0340			
12/19/16 16:00	21.83	7.42	0.00000261	8525	0.0345			
12/19/16 17:00	21.56	7.46	0.00000257	8525	0.0341			
12/19/16 18:00	21.49	7.53	0.00000257	8525	0.0342			
12/19/16 19:00	21.58	7.51	0.00000258	8525	0.0343			
12/19/16 20:00	21.46	7.68	0.00000256	8525	0.0345			
12/19/16 21:00	20.61	8.10	0.00000246	8525	0.0342			
12/19/16 22:00	19.43	8.44	0.00000232	8525	0.0332			
12/19/16 23:00	19.00	8.54	0.00000227	8525	0.0327	0.0372	0.0334	
12/20/16 00:00	19.01	8.54	0.00000227	8525	0.0327			
12/20/16 01:00	19.77	8.18	0.00000236	8525	0.0331			
12/20/16 02:00	19.79	8.08	0.00000236	8525	0.0328			
12/20/16 03:00	21.33	7.77	0.00000255	8525	0.0345			
12/20/16 04:00	18.80	8.58	0.00000224	8525	0.0324			
12/20/16 05:00	19.25	8.50	0.00000230	8525	0.0330			
12/20/16 06:00	20.26	8.32	0.00000242	8525	0.0343			
12/20/16 07:00	19.89	8.43	0.00000237	8525	0.0339			
12/20/16 08:00	21.45	8.89	0.00000256	8525	0.0380			
12/20/16 09:00	20.06	8.78	0.00000240	8525	0.0352			
12/20/16 10:00	19.09	8.80	0.00000228	8525	0.0336			
12/20/16 11:00	18.80	8.81	0.00000225	8525	0.0331			
12/20/16 12:00	18.73	8.72	0.00000224	8525	0.0327			
12/20/16 13:00	18.69	8.67	0.00000223	8525	0.0325			
12/20/16 14:00	18.97	8.63	0.00000226	8525	0.0329			
12/20/16 15:00	18.97	8.62	0.00000226	8525	0.0329			
12/20/16 16:00	19.07	8.56	0.00000228	8525	0.0329			
12/20/16 17:00	18.90	8.52	0.00000226	8525	0.0325			
12/20/16 18:00	18.85	8.54	0.00000225	8525	0.0324			
12/20/16 19:00	18.84	8.57	0.00000225	8525	0.0325			
12/20/16 20:00	18.76	8.56	0.00000224	8525	0.0323			
12/20/16 21:00	19.67	7.90	0.00000235	8525	0.0322			
12/20/16 22:00	21.11	6.76	0.00000252	8525	0.0317			
12/20/16 23:00	21.03	6.86	0.00000251	8525	0.0319	0.0332	0.0332	
12/21/16 00:00	20.07	7.45	0.00000240	8525	0.0317			
12/21/16 01:00	20.04	7.63	0.00000239	8525	0.0321			
12/21/16 02:00	19.60	7.83	0.00000234	8525	0.0319			
12/21/16 03:00	20.37	7.17	0.00000243	8525	0.0316			
12/21/16 04:00	20.16	7.35	0.00000241	8525	0.0316			
12/21/16 05:00	20.41	7.54	0.00000244	8525	0.0325			
12/21/16 06:00	21.08	7.41	0.00000252	8525	0.0332			
12/21/16 07:00	23.30	6.52	0.00000278	8525	0.0345			
12/21/16 08:00	23.34	6.48	0.00000279	8525	0.0344			
12/21/16 09:00			0.00000000	8525				Offline to adjust for calibration drift.
12/21/16 10:00	20.44	8.83	0.00000244	8525	0.0360			
12/21/16 11:00	20.54	8.81	0.00000245	8525	0.0361			
12/21/16 12:00	21.04	8.51	0.00000251	8525	0.0361			
12/21/16 13:00	22.44	7.61	0.00000268	8525	0.0359			
12/21/16 14:00	22.99	7.39	0.00000275	8525	0.0362			
12/21/16 15:00	22.92	7.37	0.00000274	8525	0.0360			
12/21/16 16:00	22.78	7.30	0.00000272	8525	0.0356			
12/21/16 17:00	23.10	7.62	0.00000276	8525	0.0370			
12/21/16 18:00	20.41	8.77	0.00000244	8525	0.0358			
12/21/16 19:00	21.56	8.46	0.00000257	8525	0.0369			
12/21/16 20:00	22.97	8.80	0.00000274	8525	0.0404			
12/21/16 21:00	33.65	6.46	0.00000402	8525	0.0496			
12/21/16 22:00	23.69	9.34	0.00000283	8525	0.0436			
12/21/16 23:00	23.83	9.42	0.00000285	8525	0.0442	0.0362	0.0331	
12/22/16 00:00	23.87	9.41	0.00000285	8525	0.0442			
12/22/16 01:00	23.72	9.37	0.00000283	8525	0.0438			
12/22/16 02:00	32.24	8.18	0.00000385	8525	0.0539			
12/22/16 03:00	32.83	8.03	0.00000392	8525	0.0543			
12/22/16 04:00	29.32	8.35	0.00000350	8519	0.0497			
12/22/16 05:00	23.70	9.13	0.00000283	8519	0.0428			
12/22/16 06:00	21.27	9.62	0.00000254	8519	0.0401			
12/22/16 07:00	20.38	9.83	0.00000243	8519	0.0391			

	Boiler TB-01 - NOx							Comments
	NO _x (ppmd)	O ₂ (% vol)	C _d (lb/scf)	F _d (scf/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	
60.49b(g)(1)				60.49b(g)(7)	60.49b(g)(2)	60.49b(g)(3)	60.49b(g)(3)	60.49b(g)(4), 60.49b(g)(5), 60.49b(g)(6), 60.49b(g)(8), 60.49b(g)(9)
DATE/TIME	CEM	CEM	Method 19 Table 19-1	Method 19	Method 19 Eq. 19-1	Daily Average	30-DRA Limit = 0.1	
12/22/16 08:00	19.03	9.52	0.00000227	8519	0.0355			
12/22/16 09:00	18.48	9.45	0.00000221	8519	0.0343			
12/22/16 10:00	18.67	9.30	0.00000223	8519	0.0342			
12/22/16 11:00	18.91	8.75	0.00000226	8519	0.0331			
12/22/16 12:00	21.20	7.38	0.00000253	8519	0.0333			
12/22/16 13:00	18.14	8.76	0.00000217	8519	0.0318			
12/22/16 14:00	21.01	7.40	0.00000251	8519	0.0331			
12/22/16 15:00	21.05	7.33	0.00000251	8519	0.0330			
12/22/16 16:00	18.12	8.99	0.00000216	8519	0.0324			
12/22/16 17:00	17.30	9.30	0.00000207	8519	0.0317			
12/22/16 18:00	17.79	9.13	0.00000212	8519	0.0321			
12/22/16 19:00	18.54	8.63	0.00000221	8519	0.0321			
12/22/16 20:00	18.27	8.82	0.00000218	8519	0.0321			
12/22/16 21:00	19.05	8.61	0.00000228	8519	0.0330			
12/22/16 22:00	19.24	8.62	0.00000230	8519	0.0333			
12/22/16 23:00	19.14	8.66	0.00000229	8519	0.0332	0.0373	0.0332	
12/23/16 00:00	19.29	8.61	0.00000230	8519	0.0334			
12/23/16 01:00	19.31	8.51	0.00000231	8519	0.0331			
12/23/16 02:00	19.48	8.52	0.00000233	8519	0.0334			
12/23/16 03:00	19.87	8.54	0.00000237	8519	0.0342			
12/23/16 04:00	20.53	8.33	0.00000245	8519	0.0347			
12/23/16 05:00	21.58	7.79	0.00000258	8519	0.0350			
12/23/16 06:00	24.26	7.44	0.00000290	8519	0.0383			
12/23/16 07:00	24.37	8.59	0.00000291	8519	0.0421			
12/23/16 08:00	25.68	8.12	0.00000307	8519	0.0427			
12/23/16 09:00	23.52	8.47	0.00000281	8519	0.0402			
12/23/16 10:00	23.64	8.56	0.00000282	8519	0.0407			
12/23/16 11:00	24.12	8.88	0.00000288	8519	0.0427			
12/23/16 12:00	23.39	8.95	0.00000279	8519	0.0416			
12/23/16 13:00	23.28	8.71	0.00000278	8519	0.0406			
12/23/16 14:00	24.15	8.26	0.00000288	8519	0.0406			
12/23/16 15:00	22.62	9.23	0.00000270	8519	0.0412			
12/23/16 16:00	22.73	8.93	0.00000271	8519	0.0404			
12/23/16 17:00	20.97	9.47	0.00000250	8519	0.0390			
12/23/16 18:00	20.93	9.48	0.00000250	8519	0.0390			
12/23/16 19:00	16.55	12.01	0.00000198	8519	0.0396			
12/23/16 20:00	20.52	9.07	0.00000245	8519	0.0369			
12/23/16 21:00	20.13	9.01	0.00000240	8519	0.0360			
12/23/16 22:00	19.93	9.12	0.00000238	8519	0.0359			
12/23/16 23:00	19.84	9.13	0.00000237	8519	0.0358	0.0382	0.0334	
12/24/16 00:00	19.84	9.14	0.00000237	8519	0.0359			
12/24/16 01:00	19.73	9.19	0.00000236	8519	0.0358			
12/24/16 02:00	19.79	9.26	0.00000236	8519	0.0361			
12/24/16 03:00	20.03	9.21	0.00000239	8519	0.0364			
12/24/16 04:00	19.99	9.21	0.00000239	8519	0.0363			
12/24/16 05:00	20.50	9.17	0.00000245	8519	0.0372			
12/24/16 06:00	21.70	9.14	0.00000259	8519	0.0392			
12/24/16 07:00	21.32	9.25	0.00000255	8519	0.0389			
12/24/16 08:00	19.92	9.30	0.00000238	8519	0.0365			
12/24/16 09:00	19.64	9.24	0.00000234	8519	0.0358			
12/24/16 10:00	19.35	9.23	0.00000231	8519	0.0353			
12/24/16 11:00	19.32	9.22	0.00000231	8519	0.0352			
12/24/16 12:00	19.44	9.20	0.00000232	8519	0.0353			
12/24/16 13:00	19.30	9.20	0.00000230	8519	0.0350			
12/24/16 14:00	19.30	9.21	0.00000230	8519	0.0351			
12/24/16 15:00	19.11	9.22	0.00000228	8519	0.0348			
12/24/16 16:00	19.08	9.17	0.00000228	8519	0.0346			
12/24/16 17:00	19.36	9.23	0.00000231	8519	0.0353			
12/24/16 18:00	19.31	9.30	0.00000231	8519	0.0354			
12/24/16 19:00	19.32	9.19	0.00000231	8519	0.0351			
12/24/16 20:00	19.12	9.29	0.00000228	8519	0.0350			
12/24/16 21:00	18.89	9.23	0.00000226	8519	0.0344			
12/24/16 22:00	18.92	9.26	0.00000226	8519	0.0345			
12/24/16 23:00	18.83	9.29	0.00000225	8519	0.0345	0.0357	0.0335	
12/25/16 00:00	19.09	9.29	0.00000228	8519	0.0350			
12/25/16 01:00	19.14	9.32	0.00000229	8519	0.0351			
12/25/16 02:00	19.21	9.30	0.00000229	8519	0.0352			
12/25/16 03:00	19.13	9.32	0.00000228	8519	0.0351			
12/25/16 04:00	18.95	9.33	0.00000226	8519	0.0348			
12/25/16 05:00	19.44	9.18	0.00000232	8519	0.0353			
12/25/16 06:00	20.19	9.17	0.00000241	8519	0.0366			
12/25/16 07:00	19.82	9.35	0.00000237	8519	0.0365			
12/25/16 08:00	19.56	9.33	0.00000234	8519	0.0359			
12/25/16 09:00	19.09	9.29	0.00000228	8519	0.0349			
12/25/16 10:00	18.71	9.32	0.00000223	8519	0.0343			
12/25/16 11:00	18.62	9.34	0.00000222	8519	0.0342			
12/25/16 12:00	18.76	9.28	0.00000224	8519	0.0343			
12/25/16 13:00	18.74	9.13	0.00000224	8519	0.0338			
12/25/16 14:00	17.48	9.14	0.00000209	8519	0.0316			
12/25/16 15:00	17.15	9.35	0.00000205	8519	0.0316			
12/25/16 16:00	17.13	9.35	0.00000204	8519	0.0315			
12/25/16 17:00	17.00	9.35	0.00000203	8519	0.0313			
12/25/16 18:00	18.40	8.56	0.00000220	8519	0.0317			
12/25/16 19:00	19.73	7.62	0.00000236	8519	0.0316			
12/25/16 20:00	19.67	7.77	0.00000235	8519	0.0319			
12/25/16 21:00	19.58	7.81	0.00000234	8519	0.0318			

	Boiler TB-01 - NOx							Comments
	NO _x (ppmd)	O ₂ (% vol)	C _d (lb/scf)	F _d (scf/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	
60.49b(g)(1)				60.49b(g)(7)	60.49b(g)(2)	60.49b(g)(3)	60.49b(g)(3)	60.49b(g)(4), 60.49b(g)(5), 60.49b(g)(6), 60.49b(g)(8), 60.49b(g)(9)
DATE/TIME	CEM	CEM	Method 19 Table 19-1	Method 19	Method 19 Eq. 19-1	Daily Average	30-DRA Limit = 0.1	
12/25/16 22:00	19.61	7.80	0.00000234	8519	0.0318			
12/25/16 23:00	19.56	7.78	0.00000234	8519	0.0317	0.0337	0.0335	
12/26/16 00:00	19.71	7.75	0.00000235	8519	0.0319			
12/26/16 01:00	19.73	7.76	0.00000236	8519	0.0319			
12/26/16 02:00	19.77	7.77	0.00000236	8519	0.0320			
12/26/16 03:00	19.85	7.76	0.00000237	8519	0.0321			
12/26/16 04:00	19.80	7.78	0.00000236	8519	0.0321			
12/26/16 05:00	20.60	7.53	0.00000246	8519	0.0328			
12/26/16 06:00	21.32	7.51	0.00000255	8519	0.0339			
12/26/16 07:00	21.09	7.61	0.00000252	8519	0.0337			
12/26/16 08:00	20.43	7.85	0.00000244	8519	0.0333			
12/26/16 09:00	20.37	7.97	0.00000243	8519	0.0335			
12/26/16 10:00	20.22	8.04	0.00000241	8519	0.0334			
12/26/16 11:00	20.05	8.04	0.00000239	8519	0.0331			
12/26/16 12:00	20.20	8.01	0.00000241	8519	0.0333			
12/26/16 13:00	20.23	7.98	0.00000242	8519	0.0333			
12/26/16 14:00	19.94	8.31	0.00000238	8519	0.0337			
12/26/16 15:00	21.59	7.99	0.00000258	8519	0.0356			
12/26/16 16:00	21.58	7.89	0.00000258	8519	0.0353			
12/26/16 17:00	21.68	7.88	0.00000259	8519	0.0354			
12/26/16 18:00	21.64	7.89	0.00000258	8519	0.0353			
12/26/16 19:00	21.58	7.75	0.00000258	8519	0.0349			
12/26/16 20:00	21.31	7.84	0.00000254	8519	0.0347			
12/26/16 21:00	21.20	7.86	0.00000253	8519	0.0345			
12/26/16 22:00	21.21	7.83	0.00000253	8519	0.0345			
12/26/16 23:00	21.45	7.89	0.00000256	8519	0.0350	0.0337	0.0335	
12/27/16 00:00	21.70	7.87	0.00000259	8519	0.0354			
12/27/16 01:00	21.56	7.83	0.00000257	8519	0.0351			
12/27/16 02:00	21.27	7.80	0.00000254	8519	0.0345			
12/27/16 03:00	21.31	7.79	0.00000254	8519	0.0346			
12/27/16 04:00	21.22	7.81	0.00000253	8519	0.0345			
12/27/16 05:00	21.52	7.64	0.00000257	8519	0.0345			
12/27/16 06:00	22.11	7.62	0.00000264	8519	0.0354			
12/27/16 07:00	22.00	7.78	0.00000263	8519	0.0357			
12/27/16 08:00	21.90	7.79	0.00000262	8519	0.0355			
12/27/16 09:00	21.13	8.04	0.00000252	8519	0.0349			
12/27/16 10:00	18.48	8.85	0.00000221	8519	0.0326			
12/27/16 11:00	17.31	8.79	0.00000207	8519	0.0304			
12/27/16 12:00	18.34	8.31	0.00000219	8519	0.0310			
12/27/16 13:00	18.73	8.05	0.00000224	8519	0.0310			
12/27/16 14:00	19.54	7.68	0.00000233	8519	0.0314			
12/27/16 15:00	20.67	7.13	0.00000247	8519	0.0319			
12/27/16 16:00	20.67	7.19	0.00000247	8519	0.0321			
12/27/16 17:00	20.60	7.16	0.00000246	8519	0.0319			
12/27/16 18:00	20.59	7.12	0.00000246	8519	0.0318			
12/27/16 19:00	20.82	7.03	0.00000249	8519	0.0319			
12/27/16 20:00	20.73	7.14	0.00000247	8519	0.0320			
12/27/16 21:00	20.64	7.15	0.00000246	8519	0.0319			
12/27/16 22:00	20.67	7.14	0.00000247	8519	0.0319			
12/27/16 23:00	20.56	7.10	0.00000246	8519	0.0317	0.0331	0.0334	
12/28/16 00:00	20.52	7.11	0.00000245	8519	0.0316			
12/28/16 01:00	20.49	7.15	0.00000245	8519	0.0317			
12/28/16 02:00	20.72	7.05	0.00000247	8519	0.0318			
12/28/16 03:00	20.92	7.13	0.00000250	8519	0.0323			
12/28/16 04:00	21.03	7.26	0.00000251	8519	0.0328			
12/28/16 05:00	21.58	7.03	0.00000258	8519	0.0331			
12/28/16 06:00	21.99	7.01	0.00000263	8519	0.0336			
12/28/16 07:00	21.26	7.19	0.00000254	8519	0.0330			
12/28/16 08:00	21.27	7.55	0.00000254	8519	0.0339			
12/28/16 09:00	19.91	8.14	0.00000238	8519	0.0332			
12/28/16 10:00	19.90	8.21	0.00000238	8519	0.0333			
12/28/16 11:00	20.58	7.50	0.00000246	8519	0.0326			
12/28/16 12:00	21.70	7.16	0.00000259	8519	0.0336			
12/28/16 13:00	21.33	7.26	0.00000255	8519	0.0332			
12/28/16 14:00	19.43	8.19	0.00000232	8519	0.0325			
12/28/16 15:00	18.37	8.60	0.00000219	8519	0.0318			
12/28/16 16:00	18.54	8.40	0.00000221	8519	0.0315			
12/28/16 17:00	18.51	8.37	0.00000221	8519	0.0314			
12/28/16 18:00	18.48	8.35	0.00000221	8519	0.0313			
12/28/16 19:00	18.18	8.28	0.00000217	8519	0.0306			
12/28/16 20:00	18.96	7.71	0.00000226	8519	0.0306			
12/28/16 21:00	19.02	7.59	0.00000227	8519	0.0304			
12/28/16 22:00	17.97	8.31	0.00000215	8519	0.0304			
12/28/16 23:00	17.64	8.22	0.00000211	8519	0.0296	0.0321	0.0335	
12/29/16 00:00	18.28	7.91	0.00000218	8519	0.0299			
12/29/16 01:00	18.19	8.03	0.00000217	8519	0.0301			
12/29/16 02:00	17.27	8.41	0.00000206	8519	0.0294			
12/29/16 03:00	17.41	8.39	0.00000208	8519	0.0296			
12/29/16 04:00	17.40	8.38	0.00000208	8515	0.0295			
12/29/16 05:00	18.19	7.84	0.00000217	8515	0.0296			
12/29/16 06:00	19.83	6.51	0.00000237	8515	0.0293			
12/29/16 07:00	19.99	6.37	0.00000239	8515	0.0292			
12/29/16 08:00	19.83	6.34	0.00000237	8515	0.0289			
12/29/16 09:00	20.46	6.53	0.00000244	8515	0.0303			
12/29/16 10:00	21.29	6.59	0.00000254	8515	0.0316			
12/29/16 11:00	22.36	6.64	0.00000267	8515	0.0333			

	Boiler TB-01 - NOx							Comments
	NO _x (ppmd)	O ₂ (% vol)	C _d (lb/scf)	F _d (scf/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	
60.49b(g)(1)				60.49b(g)(7)	60.49b(g)(2)	60.49b(g)(3)	60.49b(g)(3)	60.49b(g)(4), 60.49b(g)(5), 60.49b(g)(6), 60.49b(g)(8), 60.49b(g)(9)
DATE/TIME	CEM	CEM	Method 19 Table 19-1	Method 19	Method 19 Eq. 19-1	Daily Average	30-DRA Limit = 0.1	
12/29/16 12:00	23.17	6.75	0.00000277	8515	0.0348			
12/29/16 13:00	23.23	6.91	0.00000277	8515	0.0353			
12/29/16 14:00	23.06	7.24	0.00000275	8515	0.0359			
12/29/16 15:00	23.33	7.22	0.00000279	8515	0.0362			
12/29/16 16:00	23.02	7.28	0.00000275	8515	0.0359			
12/29/16 17:00	22.76	7.60	0.00000272	8515	0.0364			
12/29/16 18:00	22.73	7.60	0.00000271	8515	0.0363			
12/29/16 19:00	22.78	7.49	0.00000272	8515	0.0361			
12/29/16 20:00	22.54	7.62	0.00000269	8515	0.0361			
12/29/16 21:00	22.51	7.67	0.00000269	8515	0.0362			
12/29/16 22:00	22.60	7.63	0.00000270	8515	0.0362			
12/29/16 23:00	22.55	7.65	0.00000269	8515	0.0361	0.0330	0.0336	
12/30/16 00:00	22.50	7.66	0.00000269	8515	0.0361			
12/30/16 01:00	22.50	7.66	0.00000269	8515	0.0361			
12/30/16 02:00	22.32	7.68	0.00000266	8515	0.0359			
12/30/16 03:00	22.35	7.67	0.00000267	8515	0.0359			
12/30/16 04:00	22.13	7.67	0.00000264	8515	0.0355			
12/30/16 05:00	22.38	7.51	0.00000267	8515	0.0355			
12/30/16 06:00	22.70	7.50	0.00000271	8515	0.0360			
12/30/16 07:00	22.57	7.67	0.00000270	8515	0.0362			
12/30/16 08:00	22.74	7.62	0.00000272	8515	0.0364			
12/30/16 09:00	22.92	7.66	0.00000274	8515	0.0368			
12/30/16 10:00	23.28	7.78	0.00000278	8515	0.0377			
12/30/16 11:00	24.23	6.97	0.00000289	8515	0.0370			
12/30/16 12:00	25.04	6.27	0.00000299	8515	0.0364			
12/30/16 13:00	24.34	6.75	0.00000291	8515	0.0365			
12/30/16 14:00	24.23	6.75	0.00000289	8515	0.0364			
12/30/16 15:00	22.37	8.21	0.00000267	8515	0.0375			
12/30/16 16:00	22.15	8.20	0.00000264	8515	0.0371			
12/30/16 17:00	21.22	8.71	0.00000253	8515	0.0370			
12/30/16 18:00	20.69	9.08	0.00000247	8515	0.0372			
12/30/16 19:00	20.68	8.90	0.00000247	8515	0.0366			
12/30/16 20:00	20.43	9.00	0.00000244	8515	0.0365			
12/30/16 21:00	20.48	8.98	0.00000245	8515	0.0365			
12/30/16 22:00	20.50	8.98	0.00000245	8515	0.0366			
12/30/16 23:00	20.43	9.04	0.00000244	8515	0.0366	0.0365	0.0338	
12/31/16 00:00	20.33	9.07	0.00000243	8515	0.0365			
12/31/16 01:00	20.28	9.06	0.00000242	8515	0.0364			
12/31/16 02:00	20.07	9.05	0.00000240	8515	0.0360			
12/31/16 03:00	19.85	9.02	0.00000237	8515	0.0355			
12/31/16 04:00	19.61	8.98	0.00000234	8515	0.0350			
12/31/16 05:00	19.79	8.84	0.00000236	8515	0.0349			
12/31/16 06:00	20.18	8.77	0.00000241	8515	0.0354			
12/31/16 07:00	19.61	8.94	0.00000234	8515	0.0348			
12/31/16 08:00	19.74	8.61	0.00000236	8515	0.0341			
12/31/16 09:00	20.69	7.78	0.00000247	8515	0.0335			
12/31/16 10:00	20.59	7.92	0.00000246	8515	0.0337			
12/31/16 11:00	19.40	8.16	0.00000232	8515	0.0324			
12/31/16 12:00	19.62	8.00	0.00000234	8515	0.0323			
12/31/16 13:00	19.81	7.70	0.00000237	8515	0.0319			
12/31/16 14:00	19.20	8.12	0.00000229	8515	0.0319			
12/31/16 15:00	19.32	7.81	0.00000231	8515	0.0314			
12/31/16 16:00	19.09	7.92	0.00000228	8515	0.0313			
12/31/16 17:00	18.75	8.20	0.00000224	8515	0.0314			
12/31/16 18:00	18.77	7.78	0.00000224	8515	0.0304			
12/31/16 19:00	18.86	7.37	0.00000225	8515	0.0296			
12/31/16 20:00	18.75	7.35	0.00000224	8515	0.0294			
12/31/16 21:00	18.90	7.13	0.00000226	8515	0.0292			
12/31/16 22:00	18.32	7.73	0.00000219	8515	0.0296			
12/31/16 23:00	18.41	7.22	0.00000220	8515	0.0286	0.0327	0.0337	

60.49b(g)(10)	Boiler B-5 (EPN 2-00, EQT 0030) NOx							Boiler B-5 (EPN 2-00, EQT 0030) O ₂						
Date	Zero Calibration			Span Calibration				Zero Calibration			Span Calibration			
	Drift Readings			Calibration Gas		Drift Readings		Drift Readings			Calibration Gas		Drift Readings	
	Std.	Actual	Delta	Cylinder #	Std.	Actual	Delta	Std.	Actual	Delta	Cylinder #	Std.	Actual	Delta
	(ppm)	(ppm)	5		(ppm)	(ppm)	5	(%)	(%)	1		(%)	(%)	1
10/1/16	0	-0.1	-0.1	CC310372	75.5	74.1	-1.4	0	0.0	0.0	66786	19.0	19.0	0.0
10/2/16	0	-0.2	-0.2	CC310372	75.5	74.0	-1.5	0	0.0	0.0	66786	19.0	19.0	0.0
10/3/16	0	-0.2	-0.2	CC310372	75.5	74.0	-1.4	0	0.0	0.0	66786	19.0	19.0	0.0
10/4/16	0	-0.3	-0.3	CC310372	75.5	73.9	-1.5	0	0.0	0.0	66786	19.0	19.0	0.0
10/5/16	0	-0.1	-0.1	CC310372	75.5	73.9	-1.6	0	0.0	0.0	66786	19.0	19.0	0.0
10/6/16	0	-0.3	-0.3	CC310372	75.5	73.7	-1.7	0	0.0	0.0	66786	19.0	19.0	0.0
10/7/16	0	-0.1	-0.1	CC310372	75.5	73.8	-1.6	0	0.0	0.0	66786	19.0	19.0	0.0
10/8/16	0	-0.2	-0.2	CC310372	74.5	73.1	-1.5	0	0.0	0.0	66786	19.0	19.0	0.0
10/9/16	0	-0.1	-0.1	CC423425	74.5	72.8	-1.7	0	0.0	0.0	66786	19.0	19.0	0.0
10/10/16	0	-0.1	-0.1	CC423425	74.5	72.9	-1.6	0	0.0	0.0	66786	19.0	19.0	0.0
10/11/16	0	0.0	0.0	CC423425	74.5	72.9	-1.6	0	0.0	0.0	66786	19.0	19.0	0.0
10/12/16	0	-0.1	-0.1	CC423425	74.5	72.9	-1.6	0	0.0	0.0	66786	19.0	19.0	0.0
10/13/16	0	-0.2	-0.2	CC423425	74.5	72.8	-1.7	0	0.0	0.0	66786	19.0	19.0	0.0
10/14/16	0	-0.3	-0.3	CC423425	74.5	72.8	-1.7	0	0.0	0.0	66786	19.0	19.0	0.0
10/15/16	0	-0.2	-0.2	CC423425	74.5	72.8	-1.7	0	0.0	0.0	66786	19.0	19.0	0.0
10/16/16	0	-0.4	-0.4	CC423425	74.5	72.6	-1.9	0	0.0	0.0	66786	19.0	19.0	0.0
10/17/16	0	-0.3	-0.3	CC423425	74.5	72.6	-1.9	0	0.0	0.0	66786	19.0	19.0	0.0
10/18/16	0	-0.2	-0.2	CC423425	74.5	72.6	-1.9	0	0.0	0.0	66786	19.0	19.0	0.0
10/19/16	0	-0.2	-0.2	CC423425	74.5	72.6	-2.0	0	0.0	0.0	66786	19.0	19.0	0.0
10/20/16	0	-0.2	-0.2	CC423425	74.5	72.5	-2.1	0	0.0	0.0	66786	19.0	19.0	0.0
10/21/16	0	-0.3	-0.3	CC423425	74.5	72.7	-1.9	0	0.0	0.0	66786	19.0	19.0	0.0
10/22/16	0	-0.3	-0.3	CC423425	74.5	72.6	-1.9	0	0.0	0.0	66786	19.0	19.0	0.0
10/23/16	0	-0.2	-0.2	CC423425	74.5	72.5	-2.0	0	0.0	0.0	66786	19.0	19.0	0.0
10/24/16	0	-0.4	-0.4	CC423425	74.5	72.6	-2.0	0	0.0	0.0	66786	19.0	19.0	0.0
10/25/16	0	-0.2	-0.2	CC423425	74.5	72.5	-2.1	0	0.0	0.0	66786	19.0	19.0	0.0
10/26/16	0	-0.5	-0.5	CC423425	74.5	72.4	-2.2	0	0.0	0.0	66786	19.0	19.0	0.0
10/27/16	0	-0.3	-0.3	CC423425	74.5	72.4	-2.1	0	0.0	0.0	66786	19.0	19.0	0.0
10/28/16	0	-0.4	-0.4	CC423425	74.5	72.4	-2.1	0	0.0	0.0	66786	19.0	19.0	0.0
10/29/16	0	-0.2	-0.2	CC423425	74.5	72.3	-2.2	0	0.0	0.0	66786	19.0	19.0	0.0
10/30/16	0	-0.3	-0.3	CC423425	74.5	72.2	-2.3	0	0.0	0.0	66786	19.0	19.0	0.0
10/31/16	0	-0.3	-0.3	CC423425	74.5	72.4	-2.1	0	0.0	0.0	66786	19.0	19.0	0.0
11/1/16	0	-0.2	-0.2	CC423425	74.5	72.4	-2.1	0	0.0	0.0	66786	19.0	19.0	0.0
11/2/16	0	-0.4	-0.4	CC423425	74.5	72.3	-2.2	0	0.0	0.0	66786	19.0	19.0	0.0
11/3/16	0	-0.3	-0.3	CC423425	74.5	72.3	-2.3	0	0.0	0.0	66786	19.0	19.0	0.0
11/4/16	0	-0.4	-0.4	CC423425	74.5	72.3	-2.2	0	0.0	0.0	66786	19.0	19.0	0.0
11/5/16	0	-0.3	-0.3	CC423425	74.5	72.2	-2.3	0	0.0	0.0	66786	19.0	19.0	0.0
11/6/16	0	-0.2	-0.2	CC423425	74.5	72.3	-2.2	0	0.0	0.0	66786	19.0	19.0	0.0
11/7/16	0	0.0	0.0	CC423425	74.5	72.3	-2.2	0	0.0	0.0	66786	19.0	19.0	0.0
11/8/16	0	-0.2	-0.2	CC423425	74.5	72.3	-2.2	0	0.0	0.0	66786	19.0	19.0	0.0
11/9/16	0	0.0	0.0	CC423425	74.5	74.9	0.3	0	0.0	0.0	66786	19.0	19.0	0.0
11/10/16	0	0.0	0.0	CC423425	74.5	75.0	0.5	0	0.0	0.0	66786	19.0	19.0	0.0
11/11/16	0	-0.2	-0.2	CC423425	74.5	75.1	0.6	0	0.0	0.0	66786	19.0	19.0	0.0
11/12/16	0	0.1	0.1	CC423425	74.5	75.1	0.6	0	0.0	0.0	66786	19.0	19.0	0.0
11/13/16	0	0.3	0.3	CC423425	74.5	75.1	0.6	0	0.0	0.0	66786	19.0	19.0	0.0
11/14/16	0	0.2	0.2	CC423425	74.5	75.0	0.5	0	0.0	0.0	66786	19.0	19.0	0.0
11/15/16	0	0.1	0.1	CC423425	74.5	75.0	0.4	0	0.0	0.0	66786	19.0	19.0	0.0
11/16/16	0	0.1	0.1	CC423425	74.5	74.9	0.4	0	0.0	0.0	66786	19.0	19.0	0.0
11/17/16	0	0.1	0.1	CC423425	74.5	74.9	0.4	0	0.0	0.0	66786	19.0	19.0	0.0
11/18/16	0	0.2	0.2	CC423425	74.5	75.1	0.6	0	0.0	0.0	66786	19.0	19.0	0.0
11/19/16	0	0.2	0.2	CC423425	74.5	74.9	0.4	0	0.0	0.0	66786	19.0	19.0	0.0
11/20/16	0	0.2	0.2	CC423425	74.5	75.0	0.4	0	0.0	0.0	66786	19.0	19.0	0.0

60.49b(g)(10)	Boiler B-5 (EPN 2-00, EQT 0030) NOx							Boiler B-5 (EPN 2-00, EQT 0030) O ₂						
Date	Zero Calibration			Span Calibration				Zero Calibration			Span Calibration			
	Drift Readings			Calibration Gas		Drift Readings		Drift Readings			Calibration Gas		Drift Readings	
	Std.	Actual	Delta	Cylinder #	Std.	Actual	Delta	Std.	Actual	Delta	Cylinder #	Std.	Actual	Delta
	(ppm)	(ppm)	5		(ppm)	(ppm)	5	(%)	(%)	1		(%)	(%)	1
11/21/16	0	0.2	0.2	CC423425	74.5	74.9	0.4	0	0.0	0.0	66786	19.0	19.0	0.0
11/22/16	0	0.3	0.3	CC423425	74.5	75.0	0.5	0	0.0	0.0	66786	19.0	19.0	0.0
11/23/16	0	0.3	0.3	CC423425	74.5	75.1	0.5	0	0.0	0.0	66786	19.0	19.0	0.0
11/24/16	0	0.4	0.4	CC423425	74.5	75.0	0.5	0	0.0	0.0	66786	19.0	19.0	0.0
11/25/16	0	0.4	0.4	CC423425	74.5	75.0	0.5	0	0.0	0.0	66786	19.0	19.0	0.0
11/26/16	0	0.5	0.5	CC423425	74.5	75.1	0.6	0	0.0	0.0	66786	19.0	19.0	0.0
11/27/16	0	0.5	0.5	CC423425	74.5	75.0	0.5	0	0.0	0.0	66786	19.0	19.0	0.0
11/28/16	0	0.3	0.3	CC423425	74.5	75.0	0.5	0	0.0	0.0	66786	19.0	19.0	0.0
11/29/16	0	0.6	0.6	CC423425	74.5	74.9	0.4	0	0.0	0.0	66786	19.0	19.0	0.0
11/30/16	0	0.4	0.4	CC423425	74.5	75.1	0.6	0	0.0	0.0	66786	19.0	19.0	0.0
12/1/16	0	0.6	0.6	CC423425	74.5	75.1	0.5	0	0.0	0.0	66786	19.0	19.0	0.0
12/2/16	0	0.6	0.6	CC423425	74.5	75.2	0.7	0	0.0	0.0	66786	19.0	19.0	0.0
12/3/16	0	0.5	0.5	CC423425	74.5	75.2	0.6	0	0.0	0.0	66786	19.0	19.0	0.0
12/4/16	0	0.6	0.6	CC423425	74.5	74.9	0.4	0	0.0	0.0	66786	19.0	19.0	0.0
12/5/16	0	0.4	0.4	CC423425	74.5	75.0	0.5	0	0.0	0.0	66786	19.0	19.0	0.0
12/6/16	0	0.6	0.6	CC423425	74.5	75.0	0.5	0	0.0	0.0	66786	19.0	19.0	0.0
12/7/16	0	0.6	0.6	CC423425	74.5	75.0	0.4	0	0.0	0.0	66786	19.0	19.0	0.0
12/8/16	0	0.6	0.6	CC423425	74.5	74.9	0.3	0	0.0	0.0	66786	19.0	19.0	0.0
12/9/16	0	0.5	0.5	CC423425	74.5	75.2	0.7	0	0.0	0.0	66786	19.0	19.0	0.0
12/10/16	0	0.6	0.6	CC423425	74.5	74.9	0.4	0	0.0	0.0	66786	19.0	19.0	0.0
12/11/16	0	0.6	0.6	CC423425	74.5	74.8	0.3	0	0.0	0.0	66786	19.0	19.0	0.0
12/12/16	0	0.7	0.7	CC423425	74.5	75.1	0.6	0	0.0	0.0	66786	19.0	19.0	0.0
12/13/16	0	0.7	0.7	CC423425	74.5	75.1	0.6	0	0.0	0.0	66786	19.0	19.0	0.0
12/14/16	0	0.5	0.5	CC423425	74.5	75.0	0.5	0	0.0	0.0	66786	19.0	19.0	0.0
12/15/16	0	0.6	0.6	CC423425	74.5	75.0	0.5	0	0.0	0.0	66786	19.0	19.0	0.0
12/16/16	0	0.5	0.5	CC423425	74.5	75.0	0.5	0	0.0	0.0	66786	19.0	19.0	0.0
12/17/16	0	0.9	0.9	CC423425	74.5	75.2	0.7	0	0.0	0.0	66786	19.0	19.0	0.0
12/18/16	0	0.7	0.7	CC423425	74.5	75.0	0.5	0	0.0	0.0	66786	19.0	19.0	0.0
12/19/16	0	0.7	0.7	CC423425	74.5	74.9	0.4	0	0.0	0.0	66786	19.0	19.0	0.0
12/20/16	0	0.9	0.9	CC423425	74.5	75.1	0.6	0	0.0	0.0	66786	19.0	19.0	0.0
12/21/16	0	0.6	0.6	CC423425	74.5	75.0	0.5	0	0.0	0.0	66786	19.0	19.0	0.0
12/22/16	0	0.7	0.7	CC342086	75.0	75.1	0.2	0	0.0	0.0	66786	19.0	19.0	0.0
12/23/16	0	0.8	0.8	CC342086	75.0	75.3	0.3	0	0.0	0.0	66786	19.0	19.0	0.0
12/24/16	0	1.0	1.0	CC342086	75.0	75.2	0.2	0	0.0	0.0	66786	19.0	19.0	0.0
12/25/16	0	0.9	0.9	CC342086	75.0	75.4	0.4	0	0.0	0.0	66786	19.0	19.0	0.0
12/26/16	0	1.0	1.0	CC342086	75.0	75.6	0.6	0	0.0	0.0	66786	19.0	19.0	0.0
12/27/16	0	1.0	1.0	CC342086	75.0	75.4	0.4	0	0.0	0.0	66786	19.0	19.0	0.0
12/28/16	0	0.9	0.9	CC342086	75.0	75.3	0.3	0	0.0	0.0	66786	19.0	19.0	0.0
12/29/16	0	0.9	0.9	CC342086	75.0	75.3	0.3	0	0.0	0.0	66786	19.0	19.0	0.0
12/30/16	0	1.0	1.0	CC342086	75.0	75.3	0.3	0	0.0	0.0	66786	19.0	19.0	0.0
12/31/16	0	0.9	0.9	CC342086	75.0	75.5	0.5	0	0.0	0.0	66786	19.0	19.0	0.0

	Boiler B-5 (EPN 2-00, EQT 0030) - NOx							
	NO _x (ppmd)	O ₂ (% vol)	C _d (lb/scf)	F _d (scf/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	Comments
60.49b(g)(1)				60.49b(g)(7)	60.49b(g)(2)	60.49b(g)(3)	60.49b(g)(3)	60.49b(g)(4), 60.49b(g)(5), 60.49b(g)(6), 60.49b(g)(8), 60.49b(g)(9)
DATE/TIME	CEM	CEM	Method 19 Table 19-1	Method 19	Method 19 Eq. 19-1	Daily Average	30-DRA Limit = 0.1	
	AI1500.P	AI1500B.						
10/1/16 0:00	15.80	5.77	0.00000189	8202	0.0214			
10/1/16 1:00	15.30	5.77	0.00000183	8202	0.0207			
10/1/16 2:00	14.82	5.81	0.00000177	8202	0.0201			
10/1/16 3:00	13.52	5.82	0.00000161	8202	0.0183			
10/1/16 4:00	14.01	5.72	0.00000167	8202	0.0189			
10/1/16 5:00	14.35	5.76	0.00000171	8202	0.0194			
10/1/16 6:00	14.91	5.77	0.00000178	8202	0.0202			
10/1/16 7:00	14.96	5.74	0.00000179	8202	0.0202			
10/1/16 8:00	14.33	5.79	0.00000171	8202	0.0194			
10/1/16 9:00	14.27	5.71	0.00000170	8202	0.0192			
10/1/16 10:00	14.19	5.71	0.00000169	8202	0.0191			
10/1/16 11:00	15.19	5.61	0.00000181	8202	0.0203			
10/1/16 12:00	14.83	5.80	0.00000177	8202	0.0201			
10/1/16 13:00	14.06	5.72	0.00000168	8202	0.0190			
10/1/16 14:00	14.78	5.63	0.00000176	8202	0.0198			
10/1/16 15:00	15.82	5.66	0.00000189	8202	0.0212			
10/1/16 16:00	16.28	5.81	0.00000194	8202	0.0221			
10/1/16 17:00	16.97	5.65	0.00000203	8202	0.0228			
10/1/16 18:00	20.44	5.66	0.00000244	8202	0.0274			
10/1/16 19:00	16.70	5.83	0.00000199	8202	0.0227			
10/1/16 20:00	16.29	5.79	0.00000195	8202	0.0221			
10/1/16 21:00	15.36	5.85	0.00000183	8202	0.0209			
10/1/16 22:00	15.01	5.81	0.00000179	8202	0.0204			
10/1/16 23:00	14.84	5.81	0.00000177	8202	0.0201	0.0207	0.0235	
10/2/16 0:00	15.42	5.74	0.00000184	8202	0.0208			
10/2/16 1:00	14.46	5.83	0.00000173	8202	0.0196			
10/2/16 2:00	14.82	5.80	0.00000177	8202	0.0201			
10/2/16 3:00	15.18	5.79	0.00000181	8202	0.0206			
10/2/16 4:00	15.18	5.83	0.00000181	8202	0.0206			
10/2/16 5:00	15.42	5.78	0.00000184	8202	0.0209			
10/2/16 6:00	15.40	5.81	0.00000184	8202	0.0209			
10/2/16 7:00	15.72	5.78	0.00000188	8202	0.0213			
10/2/16 8:00	15.43	5.78	0.00000184	8202	0.0209			
10/2/16 9:00	15.87	5.86	0.00000189	8202	0.0216			
10/2/16 10:00	16.49	5.87	0.00000197	8202	0.0225			
10/2/16 11:00	16.85	5.79	0.00000201	8202	0.0228			
10/2/16 12:00	15.74	5.86	0.00000188	8202	0.0214			
10/2/16 13:00	15.32	5.72	0.00000183	8202	0.0207			
10/2/16 14:00	16.26	5.57	0.00000194	8202	0.0217			
10/2/16 15:00	16.34	5.58	0.00000195	8202	0.0218			
10/2/16 16:00	15.65	5.49	0.00000187	8202	0.0208			
10/2/16 17:00	15.20	5.56	0.00000181	8202	0.0203			
10/2/16 18:00	15.41	5.75	0.00000184	8202	0.0208			
10/2/16 19:00	15.69	5.79	0.00000187	8202	0.0212			
10/2/16 20:00	15.92	5.78	0.00000190	8202	0.0216			
10/2/16 21:00	16.20	5.79	0.00000193	8202	0.0220			
10/2/16 22:00	15.88	5.83	0.00000190	8202	0.0216			
10/2/16 23:00	15.75	5.81	0.00000188	8202	0.0214	0.0212	0.0232	
10/3/16 0:00	16.31	5.78	0.00000195	8202	0.0221			
10/3/16 1:00	14.97	5.78	0.00000179	8202	0.0203			
10/3/16 2:00	14.87	5.84	0.00000178	8202	0.0202			
10/3/16 3:00	15.02	5.85	0.00000179	8202	0.0204			
10/3/16 4:00	15.67	5.81	0.00000187	8202	0.0213			
10/3/16 5:00	15.62	5.76	0.00000186	8202	0.0211			
10/3/16 6:00	15.49	5.77	0.00000185	8202	0.0210			
10/3/16 7:00	16.17	5.69	0.00000193	8202	0.0218			
10/3/16 8:00	16.33	5.75	0.00000195	8202	0.0221			
10/3/16 9:00	16.17	5.81	0.00000193	8202	0.0219			
10/3/16 10:00	15.98	5.82	0.00000191	8202	0.0217			
10/3/16 11:00	16.70	5.82	0.00000199	8202	0.0227			
10/3/16 12:00	17.66	5.84	0.00000211	8202	0.0240			
10/3/16 13:00	17.62	5.76	0.00000210	8202	0.0238			
10/3/16 14:00	17.60	5.82	0.00000210	8202	0.0239			
10/3/16 15:00	17.55	5.81	0.00000210	8202	0.0238			
10/3/16 16:00	17.24	5.77	0.00000206	8202	0.0233			
10/3/16 17:00	16.50	5.79	0.00000197	8202	0.0224			
10/3/16 18:00	16.18	5.79	0.00000193	8202	0.0219			
10/3/16 19:00	16.21	5.81	0.00000194	8202	0.0220			
10/3/16 20:00	16.20	5.79	0.00000193	8202	0.0219			
10/3/16 21:00	16.30	5.81	0.00000195	8202	0.0221			
10/3/16 22:00	15.93	5.79	0.00000190	8202	0.0216			
10/3/16 23:00	15.89	5.84	0.00000190	8202	0.0216	0.0220	0.0229	
10/4/16 0:00	15.60	5.81	0.00000186	8202	0.0212			
10/4/16 1:00	14.27	5.81	0.00000170	8202	0.0194			
10/4/16 2:00	13.37	5.79	0.00000160	8202	0.0181			
10/4/16 3:00	13.14	5.84	0.00000157	8202	0.0179			
10/4/16 4:00	12.85	5.75	0.00000153	8202	0.0174			
10/4/16 5:00	12.24	5.71	0.00000146	8202	0.0165			
10/4/16 6:00	13.19	5.74	0.00000157	8202	0.0178			
10/4/16 7:00	14.69	5.73	0.00000175	8202	0.0198			
10/4/16 8:00	14.96	5.84	0.00000179	8202	0.0203			
10/4/16 9:00	15.25	5.88	0.00000182	8202	0.0208			
10/4/16 10:00	15.83	5.80	0.00000189	8202	0.0215			
10/4/16 11:00	15.74	5.68	0.00000188	8202	0.0212			
10/4/16 12:00	16.36	5.59	0.00000195	8202	0.0219			

	Boiler B-5 (EPN 2-00, EQT 0030) - NOx							Comments
	NO _x (ppmd)	O ₂ (% vol)	C _d (lb/scf)	F _d (scf/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	
60.49b(g)(1)				60.49b(g)(7)	60.49b(g)(2)	60.49b(g)(3)	60.49b(g)(3)	60.49b(g)(4), 60.49b(g)(5), 60.49b(g)(6), 60.49b(g)(8), 60.49b(g)(9)
DATE/TIME	CEM	CEM	Method 19 Table 19-1	Method 19	Method 19 Eq. 19-1	Daily Average	30-DRA Limit = 0.1	
10/4/16 13:00	16.24	5.58	0.00000194	8202	0.0217			
10/4/16 14:00	15.83	5.63	0.00000189	8202	0.0212			
10/4/16 15:00	15.99	5.64	0.00000191	8202	0.0214			
10/4/16 16:00	15.78	5.63	0.00000188	8202	0.0212			
10/4/16 17:00	15.98	5.66	0.00000191	8202	0.0215			
10/4/16 18:00	16.02	5.64	0.00000191	8202	0.0215			
10/4/16 19:00	15.31	5.72	0.00000183	8202	0.0206			
10/4/16 20:00	15.40	5.71	0.00000184	8202	0.0207			
10/4/16 21:00	15.32	5.71	0.00000183	8202	0.0206			
10/4/16 22:00	15.38	5.68	0.00000184	8202	0.0207			
10/4/16 23:00	15.34	5.73	0.00000183	8202	0.0207	0.0202	0.0225	
10/5/16 0:00	15.45	5.68	0.00000184	8202	0.0208			
10/5/16 1:00	15.33	5.69	0.00000183	8202	0.0206			
10/5/16 2:00	15.29	5.69	0.00000183	8202	0.0206			
10/5/16 3:00	15.39	5.68	0.00000184	8202	0.0207			
10/5/16 4:00	15.17	5.69	0.00000181	8202	0.0204			
10/5/16 5:00	15.11	5.68	0.00000180	8202	0.0203			
10/5/16 6:00	15.13	5.66	0.00000181	8202	0.0203			
10/5/16 7:00	14.06	5.66	0.00000168	8202	0.0189			
10/5/16 8:00	15.17	5.68	0.00000181	8202	0.0204			
10/5/16 9:00	15.91	5.71	0.00000190	8202	0.0214			
10/5/16 10:00	15.80	5.69	0.00000189	8202	0.0213			
10/5/16 11:00	15.87	5.67	0.00000189	8202	0.0213			
10/5/16 12:00	15.96	5.65	0.00000191	8202	0.0214			
10/5/16 13:00	15.84	5.69	0.00000189	8202	0.0213			
10/5/16 14:00	16.67	5.68	0.00000199	8202	0.0224			
10/5/16 15:00	16.17	5.79	0.00000193	8202	0.0219			
10/5/16 16:00	16.95	5.64	0.00000202	8202	0.0227			
10/5/16 17:00	16.96	5.62	0.00000202	8202	0.0227			
10/5/16 18:00	16.55	5.66	0.00000198	8202	0.0222			
10/5/16 19:00	16.19	5.67	0.00000193	8202	0.0218			
10/5/16 20:00	16.37	5.64	0.00000195	8202	0.0220			
10/5/16 21:00	16.18	5.69	0.00000193	8202	0.0218			
10/5/16 22:00	16.01	5.66	0.00000191	8202	0.0215			
10/5/16 23:00	15.56	5.58	0.00000186	8202	0.0208	0.0212	0.0222	
10/6/16 00:00	15.16	5.59	0.00000181	8202	0.0203			
10/6/16 01:00	15.64	5.58	0.00000187	8202	0.0209			
10/6/16 02:00	16.03	5.56	0.00000191	8202	0.0214			
10/6/16 03:00	16.32	5.57	0.00000195	8202	0.0218			
10/6/16 04:00	16.30	5.59	0.00000195	8385	0.0223			
10/6/16 05:00	16.46	5.59	0.00000197	8385	0.0225			
10/6/16 06:00	16.38	5.58	0.00000196	8385	0.0224			
10/6/16 07:00	16.36	5.56	0.00000195	8385	0.0223			
10/6/16 08:00	16.24	5.66	0.00000194	8385	0.0223			
10/6/16 09:00	16.60	5.65	0.00000198	8385	0.0228			
10/6/16 10:00	16.20	5.71	0.00000193	8385	0.0223			
10/6/16 11:00	16.33	5.67	0.00000195	8385	0.0224			
10/6/16 12:00	16.03	5.66	0.00000191	8385	0.0220			
10/6/16 13:00	15.81	5.71	0.00000189	8385	0.0218			
10/6/16 14:00	16.22	5.67	0.00000194	8385	0.0223			
10/6/16 15:00	16.03	5.72	0.00000191	8385	0.0221			
10/6/16 16:00	16.58	5.75	0.00000198	8385	0.0229			
10/6/16 17:00	16.18	5.76	0.00000193	8385	0.0224			
10/6/16 18:00	15.97	5.73	0.00000191	8385	0.0220			
10/6/16 19:00	15.92	5.75	0.00000190	8385	0.0220			
10/6/16 20:00	15.88	5.74	0.00000190	8385	0.0219			
10/6/16 21:00	15.92	5.70	0.00000190	8385	0.0219			
10/6/16 22:00	15.83	5.73	0.00000189	8385	0.0218			
10/6/16 23:00	15.80	5.71	0.00000189	8385	0.0218	0.0220	0.0219	
10/7/16 00:00	15.25	5.71	0.00000182	8385	0.0210			
10/7/16 01:00	15.08	5.70	0.00000180	8385	0.0208			
10/7/16 02:00	15.12	5.69	0.00000181	8385	0.0208			
10/7/16 03:00	15.23	5.68	0.00000182	8385	0.0209			
10/7/16 04:00	15.84	5.62	0.00000189	8385	0.0217			
10/7/16 05:00	15.75	5.69	0.00000188	8385	0.0217			
10/7/16 06:00	15.97	5.66	0.00000191	8385	0.0219			
10/7/16 07:00	16.31	5.57	0.00000195	8385	0.0223			
10/7/16 08:00	16.20	5.68	0.00000193	8385	0.0223			
10/7/16 09:00	16.48	5.69	0.00000197	8385	0.0227			
10/7/16 10:00	17.04	5.64	0.00000203	8385	0.0234			
10/7/16 11:00	17.25	5.54	0.00000206	8385	0.0235			
10/7/16 12:00	17.40	5.53	0.00000208	8385	0.0237			
10/7/16 13:00	17.09	5.54	0.00000204	8385	0.0233			
10/7/16 14:00	17.15	5.55	0.00000205	8385	0.0234			
10/7/16 15:00	17.41	5.54	0.00000208	8385	0.0237			
10/7/16 16:00	17.57	5.53	0.00000210	8385	0.0239			
10/7/16 17:00	17.73	5.55	0.00000212	8385	0.0242			
10/7/16 18:00	17.82	5.50	0.00000213	8385	0.0242			
10/7/16 19:00	17.60	5.57	0.00000210	8385	0.0240			
10/7/16 20:00	17.26	5.56	0.00000206	8385	0.0235			
10/7/16 21:00	17.17	5.57	0.00000205	8385	0.0234			
10/7/16 22:00	17.04	5.60	0.00000203	8385	0.0233			
10/7/16 23:00	17.04	5.59	0.00000203	8385	0.0233	0.0228	0.0217	
10/8/16 00:00	16.80	5.60	0.00000201	8385	0.0230			
10/8/16 01:00	17.07	5.58	0.00000204	8385	0.0233			
10/8/16 02:00	16.85	5.60	0.00000201	8385	0.0230			

	Boiler B-5 (EPN 2-00, EQT 0030) - NOx							
	NO _x (ppmd)	O ₂ (% vol)	C _d (lb/scf)	F _d (scf/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	Comments
60.49b(g)(1)				60.49b(g)(7)	60.49b(g)(2)	60.49b(g)(3)	60.49b(g)(3)	60.49b(g)(4), 60.49b(g)(5), 60.49b(g)(6), 60.49b(g)(8), 60.49b(g)(9)
DATE/TIME	CEM	CEM	Method 19 Table 19-1	Method 19	Method 19 Eq. 19-1	Daily Average	30-DRA Limit = 0.1	
10/8/16 03:00	16.98	5.56	0.00000203	8385	0.0232			
10/8/16 04:00	17.39	5.53	0.00000208	8385	0.0237			
10/8/16 05:00	17.22	5.54	0.00000206	8385	0.0235			
10/8/16 06:00	17.43	5.50	0.00000208	8385	0.0237			
10/8/16 07:00	17.49	5.53	0.00000209	8385	0.0238			
10/8/16 08:00	17.47	5.52	0.00000209	8385	0.0238			
10/8/16 09:00	17.46	5.50	0.00000208	8385	0.0237			
10/8/16 10:00	17.44	5.52	0.00000208	8385	0.0237			
10/8/16 11:00	17.44	5.51	0.00000208	8385	0.0237			
10/8/16 12:00	17.20	5.56	0.00000205	8385	0.0235			
10/8/16 13:00	17.22	5.51	0.00000206	8385	0.0234			
10/8/16 14:00	17.15	5.54	0.00000205	8385	0.0234			
10/8/16 15:00	17.46	5.50	0.00000209	8385	0.0237			
10/8/16 16:00	17.72	5.53	0.00000212	8385	0.0241			
10/8/16 17:00	17.39	5.57	0.00000208	8385	0.0237			
10/8/16 18:00	17.28	5.61	0.00000206	8385	0.0237			
10/8/16 19:00	17.36	5.58	0.00000207	8385	0.0237			
10/8/16 20:00	17.42	5.53	0.00000208	8385	0.0237			
10/8/16 21:00	17.62	5.57	0.00000210	8385	0.0241			
10/8/16 22:00	17.95	5.51	0.00000214	8385	0.0244			
10/8/16 23:00	18.39	5.53	0.00000220	8385	0.0250	0.0237	0.0214	
10/9/16 00:00	18.49	5.53	0.00000221	8385	0.0252			
10/9/16 01:00	18.65	5.55	0.00000223	8385	0.0254			
10/9/16 02:00	18.67	5.52	0.00000223	8385	0.0254			
10/9/16 03:00	18.79	5.54	0.00000224	8385	0.0256			
10/9/16 04:00	18.78	5.52	0.00000224	8385	0.0255			
10/9/16 05:00	18.71	5.53	0.00000223	8385	0.0255			
10/9/16 06:00	18.76	5.54	0.00000224	8385	0.0256			
10/9/16 07:00	18.78	5.58	0.00000224	8385	0.0256			
10/9/16 08:00	18.79	5.51	0.00000224	8385	0.0255			
10/9/16 09:00	18.79	5.49	0.00000224	8385	0.0255			
10/9/16 10:00	18.95	5.54	0.00000226	8385	0.0258			
10/9/16 11:00	18.97	5.54	0.00000226	8385	0.0258			
10/9/16 12:00	19.12	5.47	0.00000228	8385	0.0259			
10/9/16 13:00	19.14	5.54	0.00000229	8385	0.0261			
10/9/16 14:00	18.84	5.48	0.00000225	8385	0.0256			
10/9/16 15:00	18.70	5.50	0.00000223	8385	0.0254			
10/9/16 16:00	18.79	5.53	0.00000224	8385	0.0256			
10/9/16 17:00	18.55	5.53	0.00000222	8385	0.0253			
10/9/16 18:00	18.42	5.57	0.00000220	8385	0.0251			
10/9/16 19:00	18.02	5.56	0.00000215	8385	0.0246			
10/9/16 20:00	17.45	5.52	0.00000208	8385	0.0237			
10/9/16 21:00	17.33	5.51	0.00000207	8385	0.0236			
10/9/16 22:00	17.24	5.51	0.00000206	8385	0.0234			
10/9/16 23:00	17.39	5.53	0.00000208	8385	0.0237	0.0252	0.0212	
10/10/16 00:00	17.40	5.50	0.00000208	8385	0.0236			
10/10/16 01:00	17.75	5.54	0.00000212	8385	0.0242			
10/10/16 02:00	17.75	5.54	0.00000212	8385	0.0242			
10/10/16 03:00	17.90	5.53	0.00000214	8385	0.0244			
10/10/16 04:00	18.07	5.49	0.00000216	8385	0.0245			
10/10/16 05:00	17.90	5.50	0.00000214	8385	0.0243			
10/10/16 06:00	17.87	5.45	0.00000213	8385	0.0242			
10/10/16 07:00	17.95	5.51	0.00000214	8385	0.0244			
10/10/16 08:00	18.11	5.57	0.00000216	8385	0.0247			
10/10/16 09:00	18.25	5.53	0.00000218	8385	0.0248			
10/10/16 10:00	17.89	5.53	0.00000214	8385	0.0244			
10/10/16 11:00	17.39	5.52	0.00000208	8385	0.0237			
10/10/16 12:00	17.14	5.61	0.00000205	8385	0.0235			
10/10/16 13:00	17.18	5.55	0.00000205	8385	0.0234			
10/10/16 14:00	17.55	5.63	0.00000210	8385	0.0240			
10/10/16 15:00	17.95	5.58	0.00000214	8385	0.0245			
10/10/16 16:00	17.74	5.63	0.00000212	8385	0.0243			
10/10/16 17:00	17.76	5.64	0.00000212	8385	0.0244			
10/10/16 18:00	17.42	5.66	0.00000208	8385	0.0239			
10/10/16 19:00	16.94	5.65	0.00000202	8385	0.0232			
10/10/16 20:00	16.87	5.63	0.00000201	8385	0.0231			
10/10/16 21:00	16.94	5.63	0.00000202	8385	0.0232			
10/10/16 22:00	16.97	5.62	0.00000203	8385	0.0232			
10/10/16 23:00	17.03	5.63	0.00000203	8385	0.0233	0.0240	0.0210	
10/11/16 00:00	17.12	5.62	0.00000204	8385	0.0234			
10/11/16 01:00	17.06	5.61	0.00000204	8385	0.0234			
10/11/16 02:00	17.29	5.61	0.00000206	8385	0.0237			
10/11/16 03:00	17.35	5.60	0.00000207	8385	0.0237			
10/11/16 04:00	17.30	5.60	0.00000207	8385	0.0237			
10/11/16 05:00	17.29	5.58	0.00000206	8385	0.0236			
10/11/16 06:00	17.16	5.57	0.00000205	8385	0.0234			
10/11/16 07:00	17.32	5.58	0.00000207	8385	0.0237			
10/11/16 08:00	17.45	5.59	0.00000208	8385	0.0238			
10/11/16 09:00	16.67	5.60	0.00000199	8385	0.0228			
10/11/16 10:00	17.06	5.56	0.00000204	8385	0.0233			
10/11/16 11:00	17.32	5.54	0.00000207	8385	0.0236			
10/11/16 12:00	17.26	5.50	0.00000206	8385	0.0235			
10/11/16 13:00	17.46	5.58	0.00000208	8385	0.0238			
10/11/16 14:00	17.29	5.52	0.00000207	8385	0.0235			
10/11/16 15:00	16.65	5.60	0.00000199	8385	0.0228			
10/11/16 16:00	16.79	5.48	0.00000200	8385	0.0228			

	Boiler B-5 (EPN 2-00, EQT 0030) - NOx							
	NO _x (ppmd)	O ₂ (% vol)	C _d (lb/scf)	F _d (scf/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	Comments
60.49b(g)(1)				60.49b(g)(7)	60.49b(g)(2)	60.49b(g)(3)	60.49b(g)(3)	60.49b(g)(4), 60.49b(g)(5), 60.49b(g)(6), 60.49b(g)(8), 60.49b(g)(9)
DATE/TIME	CEM	CEM	Method 19 Table 19-1	Method 19	Method 19 Eq. 19-1	Daily Average	30-DRA Limit = 0.1	
10/11/16 17:00	16.82	5.45	0.00000201	8385	0.0228			
10/11/16 18:00	17.00	5.50	0.00000203	8385	0.0231			
10/11/16 19:00	16.65	5.52	0.00000199	8385	0.0227			
10/11/16 20:00	16.20	5.53	0.00000193	8385	0.0221			
10/11/16 21:00	15.81	5.46	0.00000189	8385	0.0214			
10/11/16 22:00	15.47	5.44	0.00000185	8385	0.0209			
10/11/16 23:00	15.69	5.41	0.00000187	8385	0.0212	0.0230	0.0208	
10/12/16 00:00	16.41	5.41	0.00000196	8385	0.0222			
10/12/16 01:00	16.54	5.41	0.00000197	8385	0.0223			
10/12/16 02:00	16.52	5.42	0.00000197	8385	0.0223			
10/12/16 03:00	16.67	5.43	0.00000199	8385	0.0226			
10/12/16 04:00	16.72	5.45	0.00000200	8385	0.0226			
10/12/16 05:00	17.11	5.38	0.00000204	8385	0.0231			
10/12/16 06:00	17.28	5.41	0.00000206	8385	0.0233			
10/12/16 07:00	16.71	5.46	0.00000200	8385	0.0227			
10/12/16 08:00	17.05	5.51	0.00000204	8385	0.0232			
10/12/16 09:00	17.90	5.49	0.00000214	8385	0.0243			
10/12/16 10:00	17.80	5.49	0.00000213	8385	0.0242			
10/12/16 11:00	17.66	5.49	0.00000211	8385	0.0240			
10/12/16 12:00	17.59	5.50	0.00000210	8385	0.0239			
10/12/16 13:00	17.80	5.55	0.00000213	8385	0.0243			
10/12/16 14:00	17.42	5.59	0.00000208	8385	0.0238			
10/12/16 15:00	17.94	5.63	0.00000214	8385	0.0246			
10/12/16 16:00	17.47	5.62	0.00000209	8385	0.0239			
10/12/16 17:00	16.98	5.64	0.00000203	8385	0.0233			
10/12/16 18:00	16.46	5.62	0.00000197	8385	0.0225			
10/12/16 19:00	16.30	5.64	0.00000195	8385	0.0223			
10/12/16 20:00	16.36	5.65	0.00000195	8385	0.0224			
10/12/16 21:00	16.22	5.63	0.00000194	8385	0.0222			
10/12/16 22:00	16.40	5.58	0.00000196	8385	0.0224			
10/12/16 23:00	16.36	5.62	0.00000195	8385	0.0224	0.0231	0.0208	
10/13/16 00:00	16.19	5.63	0.00000193	8385	0.0222			
10/13/16 01:00	16.58	5.58	0.00000198	8385	0.0227			
10/13/16 02:00	16.00	5.61	0.00000191	8385	0.0219			
10/13/16 03:00	16.03	5.61	0.00000191	8385	0.0219			
10/13/16 04:00	15.82	5.62	0.00000189	8385	0.0217			
10/13/16 05:00	16.56	5.56	0.00000198	8385	0.0226			
10/13/16 06:00	17.00	5.58	0.00000203	8385	0.0232			
10/13/16 07:00	16.96	5.58	0.00000202	8385	0.0232			
10/13/16 08:00	17.20	5.56	0.00000205	8385	0.0235			
10/13/16 09:00	17.54	5.66	0.00000209	8385	0.0241			
10/13/16 10:00	17.61	5.48	0.00000210	8385	0.0239			
10/13/16 11:00	17.60	5.56	0.00000210	8385	0.0240			
10/13/16 12:00	18.15	5.68	0.00000217	8385	0.0249			
10/13/16 13:00	18.37	5.64	0.00000219	8385	0.0252			
10/13/16 14:00	18.61	5.68	0.00000222	8385	0.0256			
10/13/16 15:00	18.70	5.65	0.00000223	8385	0.0256			
10/13/16 16:00	18.35	5.65	0.00000219	8385	0.0252			
10/13/16 17:00	17.66	5.62	0.00000211	8385	0.0242			
10/13/16 18:00	17.47	5.70	0.00000209	8385	0.0240			
10/13/16 19:00	18.18	5.76	0.00000217	8385	0.0251			
10/13/16 20:00	17.49	5.75	0.00000209	8385	0.0242			
10/13/16 21:00	17.49	5.66	0.00000209	8385	0.0240			
10/13/16 22:00	16.66	5.70	0.00000199	8385	0.0229			
10/13/16 23:00	17.31	5.77	0.00000207	8385	0.0240	0.0237	0.0209	
10/14/16 00:00	17.86	5.74	0.00000213	8385	0.0246			
10/14/16 01:00	18.62	5.75	0.00000222	8385	0.0257			
10/14/16 02:00	19.95	5.73	0.00000238	8385	0.0275			
10/14/16 03:00	19.85	5.70	0.00000237	8385	0.0273			
10/14/16 04:00	19.63	5.74	0.00000234	8385	0.0271			
10/14/16 05:00	18.76	5.72	0.00000224	8385	0.0259			
10/14/16 06:00	16.27	5.79	0.00000194	8385	0.0225			
10/14/16 07:00	15.89	5.77	0.00000190	8385	0.0220			
10/14/16 08:00	15.78	5.81	0.00000188	8385	0.0219			
10/14/16 09:00	15.89	5.84	0.00000190	8385	0.0221			
10/14/16 10:00	16.53	5.79	0.00000197	8385	0.0229			
10/14/16 11:00	16.92	5.80	0.00000202	8385	0.0234			
10/14/16 12:00	16.56	5.70	0.00000198	8385	0.0228			
10/14/16 13:00	16.61	5.70	0.00000198	8385	0.0229			
10/14/16 14:00	16.42	5.75	0.00000196	8385	0.0227			
10/14/16 15:00	17.54	5.76	0.00000209	8385	0.0242			
10/14/16 16:00	17.48	5.74	0.00000209	8385	0.0241			
10/14/16 17:00	16.83	5.71	0.00000201	8385	0.0232			
10/14/16 18:00	16.58	5.75	0.00000198	8385	0.0229			
10/14/16 19:00	16.18	5.75	0.00000193	8385	0.0223			
10/14/16 20:00	16.03	5.73	0.00000191	8385	0.0221			
10/14/16 21:00	17.20	5.29	0.00000205	8385	0.0231			
10/14/16 22:00	17.12	5.29	0.00000204	8385	0.0229			
10/14/16 23:00	17.13	5.31	0.00000204	8385	0.0230	0.0237	0.0209	
10/15/16 00:00	16.82	5.33	0.00000201	8385	0.0226			
10/15/16 01:00	17.09	5.32	0.00000204	8385	0.0230			
10/15/16 02:00	16.92	5.32	0.00000202	8385	0.0227			
10/15/16 03:00	16.90	5.31	0.00000202	8385	0.0227			
10/15/16 04:00	16.88	5.28	0.00000201	8385	0.0226			
10/15/16 05:00	16.49	5.29	0.00000197	8385	0.0221			
10/15/16 06:00	16.67	5.39	0.00000199	8385	0.0225			

	Boiler B-5 (EPN 2-00, EQT 0030) - NOx							
	NO _x (ppmd)	O ₂ (% vol)	C _d (lb/scf)	F _d (scf/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	Comments
60.49b(g)(1)				60.49b(g)(7)	60.49b(g)(2)	60.49b(g)(3)	60.49b(g)(3)	60.49b(g)(4), 60.49b(g)(5), 60.49b(g)(6), 60.49b(g)(8), 60.49b(g)(9)
DATE/TIME	CEM	CEM	Method 19 Table 19-1	Method 19	Method 19 Eq. 19-1	Daily Average	30-DRA Limit = 0.1	
10/15/16 07:00	16.68	5.38	0.00000199	8385	0.0225			
10/15/16 08:00	16.63	5.39	0.00000199	8385	0.0224			
10/15/16 09:00	17.32	5.37	0.00000207	8385	0.0233			
10/15/16 10:00	17.54	5.35	0.00000209	8385	0.0236			
10/15/16 11:00	17.32	5.35	0.00000207	8385	0.0233			
10/15/16 12:00	16.70	5.36	0.00000199	8385	0.0225			
10/15/16 13:00	17.32	5.37	0.00000207	8385	0.0233			
10/15/16 14:00	17.40	5.37	0.00000208	8385	0.0234			
10/15/16 15:00	17.36	5.37	0.00000207	8385	0.0234			
10/15/16 16:00	17.04	5.37	0.00000203	8385	0.0230			
10/15/16 17:00	16.90	5.38	0.00000202	8385	0.0228			
10/15/16 18:00	16.72	5.48	0.00000200	8385	0.0227			
10/15/16 19:00	16.33	5.48	0.00000195	8385	0.0222			
10/15/16 20:00	16.27	5.53	0.00000194	8385	0.0221			
10/15/16 21:00	16.86	5.41	0.00000201	8385	0.0228			
10/15/16 22:00	16.45	5.47	0.00000196	8385	0.0223			
10/15/16 23:00	16.69	5.46	0.00000199	8385	0.0226	0.0228	0.0210	
10/16/16 00:00	16.67	5.45	0.00000199	8385	0.0226			
10/16/16 01:00	16.81	5.40	0.00000201	8385	0.0227			
10/16/16 02:00	16.98	5.40	0.00000203	8385	0.0229			
10/16/16 03:00	16.94	5.40	0.00000202	8385	0.0229			
10/16/16 04:00	16.89	5.39	0.00000202	8385	0.0228			
10/16/16 05:00	16.25	5.41	0.00000194	8385	0.0219			
10/16/16 06:00	16.07	5.41	0.00000192	8385	0.0217			
10/16/16 07:00	16.32	5.45	0.00000195	8385	0.0221			
10/16/16 08:00	16.73	5.46	0.00000200	8385	0.0227			
10/16/16 09:00	17.08	5.38	0.00000204	8385	0.0230			
10/16/16 10:00	17.03	5.31	0.00000203	8385	0.0229			
10/16/16 11:00	16.86	5.33	0.00000201	8385	0.0227			
10/16/16 12:00	16.85	5.31	0.00000201	8385	0.0226			
10/16/16 13:00	16.91	5.40	0.00000202	8385	0.0228			
10/16/16 14:00	17.29	5.30	0.00000206	8385	0.0232			
10/16/16 15:00	16.43	5.32	0.00000196	8385	0.0221			
10/16/16 16:00	17.02	5.36	0.00000203	8385	0.0229			
10/16/16 17:00	17.20	5.35	0.00000205	8385	0.0231			
10/16/16 18:00	16.76	5.35	0.00000200	8385	0.0226			
10/16/16 19:00	16.43	5.34	0.00000196	8385	0.0221			
10/16/16 20:00	17.08	5.32	0.00000204	8385	0.0229			
10/16/16 21:00	17.19	5.35	0.00000205	8385	0.0231			
10/16/16 22:00	17.34	5.32	0.00000207	8385	0.0233			
10/16/16 23:00	17.41	5.32	0.00000208	8385	0.0234	0.0227	0.0212	
10/17/16 00:00	17.60	5.24	0.00000210	8385	0.0235			
10/17/16 01:00	18.03	5.12	0.00000215	8385	0.0239			
10/17/16 02:00	17.36	5.15	0.00000207	8385	0.0231			
10/17/16 03:00	17.33	5.15	0.00000207	8385	0.0230			
10/17/16 04:00	17.45	5.17	0.00000208	8385	0.0232			
10/17/16 05:00	17.62	5.19	0.00000210	8385	0.0235			
10/17/16 06:00	17.64	5.19	0.00000211	8385	0.0235			
10/17/16 07:00	17.96	5.15	0.00000214	8385	0.0239			
10/17/16 08:00	17.69	5.15	0.00000211	8385	0.0235			
10/17/16 09:00	17.23	5.22	0.00000206	8352	0.0229			
10/17/16 10:00	17.63	5.19	0.00000211	8352	0.0234			
10/17/16 11:00	18.16	5.09	0.00000217	8352	0.0239			
10/17/16 12:00	17.85	5.28	0.00000213	8352	0.0238			
10/17/16 13:00	18.36	5.16	0.00000219	8352	0.0243			
10/17/16 14:00	18.74	5.05	0.00000224	8352	0.0246			
10/17/16 15:00	18.63	5.02	0.00000222	8352	0.0245			
10/17/16 16:00	18.54	5.10	0.00000221	8352	0.0245			
10/17/16 17:00	17.90	5.19	0.00000214	8352	0.0237			
10/17/16 18:00	17.40	5.19	0.00000208	8352	0.0231			
10/17/16 19:00	17.45	5.19	0.00000208	8352	0.0231			
10/17/16 20:00	17.17	5.15	0.00000205	8352	0.0227			
10/17/16 21:00	17.24	5.12	0.00000206	8352	0.0228			
10/17/16 22:00	17.06	5.16	0.00000204	8352	0.0226			
10/17/16 23:00	16.86	5.23	0.00000201	8352	0.0224	0.0235	0.0215	
10/18/16 00:00	16.72	5.21	0.00000200	8352	0.0222			
10/18/16 01:00	16.83	5.22	0.00000201	8352	0.0224			
10/18/16 02:00	16.60	5.22	0.00000198	8352	0.0221			
10/18/16 03:00	16.49	5.22	0.00000197	8352	0.0219			
10/18/16 04:00	16.79	5.21	0.00000200	8352	0.0223			
10/18/16 05:00	16.78	5.24	0.00000200	8352	0.0223			
10/18/16 06:00	16.68	5.27	0.00000199	8352	0.0222			
10/18/16 07:00	16.45	5.27	0.00000196	8352	0.0219			
10/18/16 08:00	16.19	5.28	0.00000193	8352	0.0216			
10/18/16 09:00	16.80	5.36	0.00000201	8352	0.0225			
10/18/16 10:00	17.40	5.21	0.00000208	8352	0.0231			
10/18/16 11:00	17.50	5.17	0.00000209	8352	0.0232			
10/18/16 12:00	17.67	5.16	0.00000211	8352	0.0234			
10/18/16 13:00	17.72	5.13	0.00000212	8352	0.0234			
10/18/16 14:00	16.56	5.38	0.00000198	8352	0.0222			
10/18/16 15:00	15.36	3.60	0.00000183	8352	0.0185			
10/18/16 16:00	17.47	5.05	0.00000209	8352	0.0230			
10/18/16 17:00	17.30	5.08	0.00000207	8352	0.0228			
10/18/16 18:00	18.85	3.41	0.00000225	8352	0.0225			
10/18/16 19:00	18.80	3.60	0.00000224	8352	0.0226			
10/18/16 20:00	18.60	3.71	0.00000222	8352	0.0226			

	Boiler B-5 (EPN 2-00, EQT 0030) - NOx							
	NO _x (ppmd)	O ₂ (% vol)	C _d (lb/scf)	F _d (scf/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	Comments
60.49b(g)(1)				60.49b(g)(7)	60.49b(g)(2)	60.49b(g)(3)	60.49b(g)(3)	60.49b(g)(4), 60.49b(g)(5), 60.49b(g)(6), 60.49b(g)(8), 60.49b(g)(9)
DATE/TIME	CEM	CEM	Method 19 Table 19-1	Method 19	Method 19 Eq. 19-1	Daily Average	30-DRA Limit = 0.1	
10/18/16 21:00	18.39	3.90	0.00000220	8352	0.0225			
10/18/16 22:00	18.86	3.88	0.00000225	8352	0.0231			
10/18/16 23:00	18.65	3.59	0.00000223	8352	0.0225	0.0224	0.0217	
10/19/16 00:00	18.78	3.40	0.00000224	8352	0.0224			
10/19/16 01:00	18.69	3.45	0.00000223	8352	0.0223			
10/19/16 02:00	18.62	3.46	0.00000222	8352	0.0223			
10/19/16 03:00	19.01	3.50	0.00000227	8352	0.0228			
10/19/16 04:00	19.00	3.59	0.00000227	8352	0.0229			
10/19/16 05:00	18.72	3.62	0.00000224	8352	0.0226			
10/19/16 06:00	18.86	3.63	0.00000225	8352	0.0228			
10/19/16 07:00	18.85	3.70	0.00000225	8352	0.0228			
10/19/16 08:00	19.17	3.50	0.00000229	8352	0.0230			
10/19/16 09:00			0.00000000	8352	0.0000			Excluded CEMS Data. O2 Cylinder Gas Audit.
10/19/16 10:00	19.48	3.48	0.00000233	8352	0.0233			
10/19/16 11:00	19.45	3.55	0.00000232	8352	0.0234			
10/19/16 12:00	19.13	3.46	0.00000228	8352	0.0229			
10/19/16 13:00	19.08	3.52	0.00000228	8352	0.0229			
10/19/16 14:00	19.25	3.62	0.00000230	8352	0.0232			
10/19/16 15:00	19.54	3.63	0.00000233	8352	0.0236			
10/19/16 16:00	19.63	3.73	0.00000234	8352	0.0238			
10/19/16 17:00	19.60	3.50	0.00000234	8352	0.0235			
10/19/16 18:00	19.57	3.37	0.00000234	8352	0.0233			
10/19/16 19:00	19.91	3.33	0.00000238	8352	0.0236			
10/19/16 20:00	19.78	3.31	0.00000236	8352	0.0234			
10/19/16 21:00	19.89	3.25	0.00000237	8352	0.0235			
10/19/16 22:00	20.08	3.20	0.00000240	8352	0.0236			
10/19/16 23:00	19.77	3.19	0.00000236	8352	0.0233	0.0221	0.0219	
10/20/16 00:00	19.86	3.15	0.00000237	8352	0.0233			
10/20/16 01:00	19.80	3.05	0.00000236	8352	0.0231			
10/20/16 02:00	19.59	3.14	0.00000234	8352	0.0230			
10/20/16 03:00	19.70	3.11	0.00000235	8352	0.0231			
10/20/16 04:00	19.68	3.09	0.00000235	8196	0.0226			
10/20/16 05:00	19.88	3.09	0.00000237	8196	0.0228			
10/20/16 06:00	19.96	3.09	0.00000238	8196	0.0229			
10/20/16 07:00	20.17	3.05	0.00000241	8196	0.0231			
10/20/16 08:00	20.13	2.98	0.00000240	8196	0.0230			
10/20/16 09:00	20.79	2.98	0.00000248	8196	0.0237			
10/20/16 10:00	21.52	3.01	0.00000257	8196	0.0246			
10/20/16 11:00	21.80	3.20	0.00000260	8196	0.0252			
10/20/16 12:00	22.12	4.07	0.00000264	8196	0.0269			
10/20/16 13:00	21.36	5.15	0.00000255	8196	0.0277			
10/20/16 14:00	21.09	5.21	0.00000252	8196	0.0275			
10/20/16 15:00	21.14	5.28	0.00000252	8196	0.0277			
10/20/16 16:00	15.88	8.95	0.00000190	8196	0.0272			
10/20/16 17:00	21.23	4.55	0.00000253	8196	0.0266			
10/20/16 18:00	20.79	5.63	0.00000248	8196	0.0278			
10/20/16 19:00	22.18	5.36	0.00000265	8196	0.0292			
10/20/16 20:00	22.08	5.43	0.00000264	8196	0.0292			
10/20/16 21:00	22.00	5.37	0.00000263	8196	0.0290			
10/20/16 22:00	21.24	5.25	0.00000254	8196	0.0278			
10/20/16 23:00	20.71	5.31	0.00000247	8196	0.0272	0.0256	0.0222	
10/21/16 00:00	20.88	5.39	0.00000249	8196	0.0275			
10/21/16 01:00	21.25	5.31	0.00000254	8196	0.0279			
10/21/16 02:00	22.24	5.13	0.00000266	8196	0.0289			
10/21/16 03:00	22.81	5.22	0.00000272	8196	0.0297			
10/21/16 04:00	22.70	5.39	0.00000271	8196	0.0299			
10/21/16 05:00	23.08	5.65	0.00000276	8196	0.0309			
10/21/16 06:00	23.18	5.44	0.00000277	8196	0.0307			
10/21/16 07:00	23.30	5.40	0.00000278	8196	0.0308			
10/21/16 08:00	23.37	5.33	0.00000279	8196	0.0307			
10/21/16 09:00	23.58	5.38	0.00000282	8196	0.0311			
10/21/16 10:00	23.28	5.99	0.00000278	8196	0.0319			
10/21/16 11:00	23.19	6.22	0.00000277	8196	0.0323			
10/21/16 12:00	23.68	5.84	0.00000283	8196	0.0322			
10/21/16 13:00	24.10	5.89	0.00000288	8196	0.0328			
10/21/16 14:00	24.20	6.48	0.00000289	8196	0.0343			
10/21/16 15:00	24.52	5.84	0.00000293	8196	0.0333			
10/21/16 16:00	23.41	7.28	0.00000280	8196	0.0352			
10/21/16 17:00	23.87	6.02	0.00000285	8196	0.0328			
10/21/16 18:00	24.05	5.26	0.00000287	8196	0.0314			
10/21/16 19:00	24.10	5.25	0.00000288	8196	0.0315			
10/21/16 20:00	25.09	4.93	0.00000300	8196	0.0321			
10/21/16 21:00	25.30	5.07	0.00000302	8196	0.0327			
10/21/16 22:00	24.11	5.34	0.00000288	8196	0.0317			
10/21/16 23:00	23.97	5.39	0.00000286	8196	0.0316	0.0314	0.0226	
10/22/16 00:00	24.27	5.35	0.00000290	8196	0.0319			
10/22/16 01:00	24.39	5.37	0.00000291	8196	0.0321			
10/22/16 02:00	24.65	5.36	0.00000294	8196	0.0324			
10/22/16 03:00	24.59	5.34	0.00000294	8196	0.0323			
10/22/16 04:00	24.79	5.37	0.00000296	8196	0.0326			
10/22/16 05:00	25.04	5.36	0.00000299	8196	0.0330			
10/22/16 06:00	25.79	5.23	0.00000308	8196	0.0337			
10/22/16 07:00	25.99	5.14	0.00000310	8196	0.0337			
10/22/16 08:00	26.43	5.26	0.00000316	8196	0.0346			
10/22/16 09:00	26.81	5.31	0.00000320	8196	0.0352			
10/22/16 10:00	26.71	5.18	0.00000319	8196	0.0348			

	Boiler B-5 (EPN 2-00, EQT 0030) - NOx							Comments
	NO _x (ppmd)	O ₂ (% vol)	C _d (lb/scf)	F _d (scf/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	
60.49b(g)(1)				60.49b(g)(7)	60.49b(g)(2)	60.49b(g)(3)	60.49b(g)(3)	60.49b(g)(4), 60.49b(g)(5), 60.49b(g)(6), 60.49b(g)(8), 60.49b(g)(9)
DATE/TIME	CEM	CEM	Method 19 Table 19-1	Method 19	Method 19 Eq. 19-1	Daily Average	30-DRA Limit = 0.1	
10/22/16 11:00	26.93	5.13	0.00000322	8196	0.0349			
10/22/16 12:00	26.37	5.58	0.00000315	8196	0.0352			
10/22/16 13:00	26.45	5.28	0.00000316	8196	0.0346			
10/22/16 14:00	26.31	5.15	0.00000314	8196	0.0342			
10/22/16 15:00	25.85	5.51	0.00000309	8196	0.0344			
10/22/16 16:00	25.99	5.41	0.00000310	8196	0.0343			
10/22/16 17:00	25.63	5.57	0.00000306	8196	0.0342			
10/22/16 18:00	25.28	5.93	0.00000302	8196	0.0345			
10/22/16 19:00	24.75	5.73	0.00000296	8196	0.0334			
10/22/16 20:00	24.67	5.70	0.00000295	8196	0.0332			
10/22/16 21:00	24.38	5.71	0.00000291	8196	0.0328			
10/22/16 22:00	24.31	5.24	0.00000290	8196	0.0318			
10/22/16 23:00	24.71	5.70	0.00000295	8196	0.0333	0.0336	0.0231	
10/23/16 00:00	26.48	5.43	0.00000316	8196	0.0350			
10/23/16 01:00	26.71	5.39	0.00000319	8196	0.0352			
10/23/16 02:00	25.83	5.11	0.00000308	8196	0.0335			
10/23/16 03:00	25.70	5.09	0.00000307	8196	0.0333			
10/23/16 04:00	25.13	5.08	0.00000300	8196	0.0325			
10/23/16 05:00	25.34	5.36	0.00000303	8196	0.0334			
10/23/16 06:00	25.35	5.33	0.00000303	8196	0.0333			
10/23/16 07:00	25.79	5.42	0.00000308	8196	0.0341			
10/23/16 08:00	26.54	5.27	0.00000317	8196	0.0347			
10/23/16 09:00	26.94	5.31	0.00000322	8196	0.0353			
10/23/16 10:00	26.94	5.30	0.00000322	8196	0.0353			
10/23/16 11:00	27.61	5.24	0.00000330	8196	0.0361			
10/23/16 12:00	27.21	5.10	0.00000325	8196	0.0352			
10/23/16 13:00	27.70	5.24	0.00000331	8196	0.0362			
10/23/16 14:00	25.67	5.45	0.00000306	8196	0.0340			
10/23/16 15:00	24.86	5.24	0.00000297	8196	0.0325			
10/23/16 16:00	26.37	4.27	0.00000315	8196	0.0324			
10/23/16 17:00	25.84	4.90	0.00000309	8196	0.0330			
10/23/16 18:00	26.88	5.31	0.00000321	8196	0.0353			
10/23/16 19:00	26.25	5.36	0.00000313	8196	0.0346			
10/23/16 20:00	25.85	5.37	0.00000309	8196	0.0340			
10/23/16 21:00	25.63	5.31	0.00000306	8196	0.0336			
10/23/16 22:00	25.44	5.30	0.00000304	8196	0.0334			
10/23/16 23:00	24.86	5.33	0.00000297	8196	0.0327	0.0341	0.0235	
10/24/16 00:00	23.93	5.41	0.00000286	8196	0.0316			
10/24/16 01:00	22.40	5.97	0.00000268	8196	0.0307			
10/24/16 02:00	21.83	6.43	0.00000261	8196	0.0309			
10/24/16 03:00	23.65	6.15	0.00000282	8196	0.0328			
10/24/16 04:00	24.11	5.96	0.00000288	8196	0.0330			
10/24/16 05:00	24.19	5.43	0.00000289	8196	0.0320			
10/24/16 06:00	22.93	6.00	0.00000274	8196	0.0315			
10/24/16 07:00	23.76	5.95	0.00000284	8196	0.0325			
10/24/16 08:00	24.44	5.70	0.00000292	8196	0.0329			
10/24/16 09:00	27.05	5.94	0.00000323	8196	0.0370			
10/24/16 10:00	27.77	5.70	0.00000332	8196	0.0374			
10/24/16 11:00	28.49	5.76	0.00000340	8196	0.0385			
10/24/16 12:00	28.27	5.80	0.00000338	8196	0.0383			
10/24/16 13:00	28.63	5.58	0.00000342	8196	0.0382			
10/24/16 14:00	28.14	5.36	0.00000336	8196	0.0370			
10/24/16 15:00	27.26	6.19	0.00000325	8196	0.0379			
10/24/16 16:00	27.52	5.58	0.00000329	8196	0.0367			
10/24/16 17:00	28.01	5.64	0.00000334	8196	0.0375			
10/24/16 18:00	27.73	5.22	0.00000331	8196	0.0362			
10/24/16 19:00	28.05	5.01	0.00000335	8196	0.0361			
10/24/16 20:00	28.07	5.09	0.00000335	8196	0.0363			
10/24/16 21:00	28.08	5.61	0.00000335	8196	0.0376			
10/24/16 22:00	28.20	5.76	0.00000337	8196	0.0381			
10/24/16 23:00	28.36	5.55	0.00000339	8196	0.0378	0.0353	0.0240	
10/25/16 00:00	29.19	4.86	0.00000349	8196	0.0372			
10/25/16 01:00	28.19	5.24	0.00000337	8196	0.0368			
10/25/16 02:00	28.95	4.62	0.00000346	8196	0.0364			
10/25/16 03:00	27.48	5.24	0.00000328	8196	0.0359			
10/25/16 04:00	28.18	4.78	0.00000337	8196	0.0358			
10/25/16 05:00	28.79	4.66	0.00000344	8196	0.0363			
10/25/16 06:00	29.81	4.31	0.00000356	8196	0.0368			
10/25/16 07:00	29.64	4.55	0.00000354	8196	0.0371			
10/25/16 08:00	29.96	4.44	0.00000358	8196	0.0372			
10/25/16 09:00	29.69	4.47	0.00000355	8196	0.0370			
10/25/16 10:00	30.40	4.16	0.00000363	8196	0.0371			
10/25/16 11:00	30.08	4.20	0.00000359	8196	0.0368			
10/25/16 12:00	30.14	4.13	0.00000360	8196	0.0367			
10/25/16 13:00	30.06	3.88	0.00000359	8196	0.0361			
10/25/16 14:00	29.81	3.94	0.00000356	8196	0.0360			
10/25/16 15:00	31.21	3.75	0.00000373	8196	0.0372			
10/25/16 16:00			0.00000000	8196	0.0000			Excluded CEMS Data. NOx Cylinder Gas Audit.
10/25/16 17:00	29.85	4.74	0.00000356	8196	0.0378			
10/25/16 18:00	29.63	4.93	0.00000354	8196	0.0379			
10/25/16 19:00	29.12	5.08	0.00000348	8196	0.0376			
10/25/16 20:00	28.66	5.07	0.00000342	8196	0.0370			
10/25/16 21:00	28.69	4.67	0.00000343	8196	0.0362			
10/25/16 22:00	28.91	4.24	0.00000345	8196	0.0355			
10/25/16 23:00	28.15	4.66	0.00000336	8196	0.0355	0.0352	0.0245	
10/26/16 00:00	27.44	5.10	0.00000328	8196	0.0355			

	Boiler B-5 (EPN 2-00, EQT 0030) - NOx							
	NO _x (ppmd)	O ₂ (% vol)	C _d (lb/scf)	F _d (scf/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	Comments
60.49b(g)(1)				60.49b(g)(7)	60.49b(g)(2)	60.49b(g)(3)	60.49b(g)(3)	60.49b(g)(4), 60.49b(g)(5), 60.49b(g)(6), 60.49b(g)(8), 60.49b(g)(9)
DATE/TIME	CEM	CEM	Method 19 Table 19-1	Method 19	Method 19 Eq. 19-1	Daily Average	30-DRA Limit = 0.1	
10/26/16 01:00	28.40	5.09	0.00000339	8196	0.0367			
10/26/16 02:00	28.47	5.19	0.00000340	8196	0.0371			
10/26/16 03:00	27.76	5.06	0.00000331	8196	0.0359			
10/26/16 04:00	26.82	4.89	0.00000320	8196	0.0343			
10/26/16 05:00	27.29	4.84	0.00000326	8196	0.0348			
10/26/16 06:00	27.77	4.74	0.00000332	8196	0.0352			
10/26/16 07:00	30.12	3.71	0.00000360	8196	0.0358			
10/26/16 08:00	30.22	3.48	0.00000361	8196	0.0355			
10/26/16 09:00	30.01	3.45	0.00000358	8196	0.0352			
10/26/16 10:00	30.10	3.32	0.00000359	8196	0.0350			
10/26/16 11:00	30.02	3.15	0.00000358	8196	0.0346			
10/26/16 12:00	30.18	3.22	0.00000360	8196	0.0349			
10/26/16 13:00	30.00	3.21	0.00000358	8196	0.0347			
10/26/16 14:00	29.97	3.31	0.00000358	8196	0.0348			
10/26/16 15:00	29.60	3.19	0.00000353	8196	0.0342			
10/26/16 16:00	30.09	3.22	0.00000359	8196	0.0348			
10/26/16 17:00	29.87	3.26	0.00000357	8196	0.0346			
10/26/16 18:00	30.07	3.23	0.00000359	8196	0.0348			
10/26/16 19:00	29.98	3.09	0.00000358	8196	0.0344			
10/26/16 20:00	29.87	3.04	0.00000357	8196	0.0342			
10/26/16 21:00	29.91	3.15	0.00000357	8196	0.0345			
10/26/16 22:00	29.94	3.05	0.00000358	8196	0.0343			
10/26/16 23:00	29.75	2.98	0.00000355	8196	0.0340	0.0350	0.0250	
10/27/16 00:00	30.07	2.99	0.00000359	8196	0.0343			
10/27/16 01:00	29.89	3.03	0.00000357	8196	0.0342			
10/27/16 02:00	29.85	3.03	0.00000356	8196	0.0342			
10/27/16 03:00	29.79	2.99	0.00000356	8196	0.0340			
10/27/16 04:00	29.67	2.99	0.00000354	8145	0.0337			
10/27/16 05:00	29.39	3.02	0.00000351	8145	0.0334			
10/27/16 06:00	29.82	2.99	0.00000356	8145	0.0338			
10/27/16 07:00	29.72	3.21	0.00000355	8145	0.0341			
10/27/16 08:00	29.96	3.02	0.00000358	8145	0.0341			
10/27/16 09:00	29.79	3.03	0.00000356	8145	0.0339			
10/27/16 10:00	30.21	3.06	0.00000361	8145	0.0344			
10/27/16 11:00	29.88	3.18	0.00000357	8145	0.0343			
10/27/16 12:00	30.12	3.10	0.00000360	8145	0.0344			
10/27/16 13:00	32.37	3.05	0.00000386	8145	0.0369			
10/27/16 14:00	29.47	3.86	0.00000352	8145	0.0352			
10/27/16 15:00	29.73	4.27	0.00000355	8145	0.0363			
10/27/16 16:00	30.20	3.50	0.00000361	8145	0.0353			
10/27/16 17:00	29.15	4.20	0.00000348	8145	0.0355			
10/27/16 18:00	29.57	4.20	0.00000353	8145	0.0360			
10/27/16 19:00	25.88	5.17	0.00000309	8145	0.0334			
10/27/16 20:00	29.89	3.15	0.00000357	8145	0.0342			
10/27/16 21:00	30.44	3.20	0.00000363	8145	0.0350			
10/27/16 22:00	29.95	3.04	0.00000358	8145	0.0341			
10/27/16 23:00	29.89	3.25	0.00000357	8145	0.0344	0.0345	0.0254	
10/28/16 00:00	29.38	3.24	0.00000351	8145	0.0338			
10/28/16 01:00	29.48	3.48	0.00000352	8145	0.0344			
10/28/16 02:00	29.73	3.55	0.00000355	8145	0.0348			
10/28/16 03:00	29.99	3.61	0.00000358	8145	0.0352			
10/28/16 04:00	29.85	3.56	0.00000356	8145	0.0350			
10/28/16 05:00	29.70	3.67	0.00000355	8145	0.0350			
10/28/16 06:00	29.80	3.72	0.00000356	8145	0.0353			
10/28/16 07:00	30.35	3.70	0.00000362	8145	0.0359			
10/28/16 08:00	29.97	3.81	0.00000358	8145	0.0356			
10/28/16 09:00	29.86	4.16	0.00000357	8145	0.0363			
10/28/16 10:00	30.33	4.05	0.00000362	8145	0.0366			
10/28/16 11:00	30.06	4.10	0.00000359	8145	0.0364			
10/28/16 12:00	29.95	4.06	0.00000358	8145	0.0362			
10/28/16 13:00	30.10	4.02	0.00000359	8145	0.0362			
10/28/16 14:00	29.88	4.03	0.00000357	8145	0.0360			
10/28/16 15:00	30.13	4.08	0.00000360	8145	0.0364			
10/28/16 16:00	29.90	4.20	0.00000357	8145	0.0364			
10/28/16 17:00	29.71	4.44	0.00000355	8145	0.0367			
10/28/16 18:00	30.01	4.42	0.00000358	8145	0.0370			
10/28/16 19:00	30.18	3.88	0.00000360	8145	0.0361			
10/28/16 20:00	30.03	4.03	0.00000359	8145	0.0362			
10/28/16 21:00	29.98	3.98	0.00000358	8145	0.0360			
10/28/16 22:00	30.03	4.00	0.00000359	8145	0.0361			
10/28/16 23:00	29.61	4.12	0.00000353	8145	0.0359	0.0358	0.0258	
10/29/16 00:00	29.89	4.10	0.00000357	8145	0.0362			
10/29/16 01:00	30.01	4.11	0.00000358	8145	0.0363			
10/29/16 02:00	29.82	4.14	0.00000356	8145	0.0362			
10/29/16 03:00	30.03	4.06	0.00000359	8145	0.0363			
10/29/16 04:00	30.12	4.07	0.00000360	8145	0.0364			
10/29/16 05:00	29.95	4.21	0.00000358	8145	0.0365			
10/29/16 06:00	30.00	4.19	0.00000358	8145	0.0365			
10/29/16 07:00	30.18	4.10	0.00000360	8145	0.0365			
10/29/16 08:00	30.24	3.92	0.00000361	8145	0.0362			
10/29/16 09:00	30.07	3.71	0.00000359	8145	0.0356			
10/29/16 10:00	29.80	4.09	0.00000356	8145	0.0360			
10/29/16 11:00	30.18	4.08	0.00000360	8145	0.0365			
10/29/16 12:00	30.07	3.79	0.00000359	8145	0.0357			
10/29/16 13:00	29.99	3.89	0.00000358	8145	0.0358			
10/29/16 14:00	30.02	3.98	0.00000358	8145	0.0361			

	Boiler B-5 (EPN 2-00, EQT 0030) - NOx							
	NO _x (ppmd)	O ₂ (% vol)	C _d (lb/scf)	F _d (scf/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	Comments
60.49b(g)(1)				60.49b(g)(7)	60.49b(g)(2)	60.49b(g)(3)	60.49b(g)(3)	60.49b(g)(4), 60.49b(g)(5), 60.49b(g)(6), 60.49b(g)(8), 60.49b(g)(9)
DATE/TIME	CEM	CEM	Method 19 Table 19-1	Method 19	Method 19 Eq. 19-1	Daily Average	30-DRA Limit = 0.1	
10/29/16 15:00	29.83	4.05	0.00000356	8145	0.0360			
10/29/16 16:00	30.38	3.82	0.00000363	8145	0.0362			
10/29/16 17:00	29.71	3.99	0.00000355	8145	0.0357			
10/29/16 18:00	29.77	3.90	0.00000355	8145	0.0356			
10/29/16 19:00	30.13	3.96	0.00000360	8145	0.0361			
10/29/16 20:00	29.84	3.89	0.00000356	8145	0.0357			
10/29/16 21:00	29.89	3.94	0.00000357	8145	0.0358			
10/29/16 22:00	29.98	3.93	0.00000358	8145	0.0359			
10/29/16 23:00	30.04	3.87	0.00000359	8145	0.0358	0.0361	0.0263	
10/30/16 00:00	30.06	3.85	0.00000359	8145	0.0358			
10/30/16 01:00	29.93	3.82	0.00000357	8145	0.0356			
10/30/16 02:00	29.82	3.79	0.00000356	8145	0.0354			
10/30/16 03:00	30.17	3.73	0.00000360	8145	0.0357			
10/30/16 04:00	30.01	3.73	0.00000358	8145	0.0355			
10/30/16 05:00	29.86	3.69	0.00000356	8145	0.0353			
10/30/16 06:00	30.22	3.74	0.00000361	8145	0.0358			
10/30/16 07:00	30.02	3.72	0.00000358	8145	0.0355			
10/30/16 08:00	30.01	3.50	0.00000358	8145	0.0351			
10/30/16 09:00	30.16	3.50	0.00000360	8145	0.0352			
10/30/16 10:00	30.24	3.35	0.00000361	8145	0.0350			
10/30/16 11:00	30.43	3.33	0.00000363	8145	0.0352			
10/30/16 12:00	29.98	3.34	0.00000358	8145	0.0347			
10/30/16 13:00	29.96	3.33	0.00000358	8145	0.0347			
10/30/16 14:00	30.05	3.47	0.00000359	8145	0.0350			
10/30/16 15:00	30.03	3.57	0.00000359	8145	0.0352			
10/30/16 16:00	29.94	3.41	0.00000357	8145	0.0348			
10/30/16 17:00	29.98	3.48	0.00000358	8145	0.0350			
10/30/16 18:00	29.66	3.45	0.00000354	8145	0.0345			
10/30/16 19:00	29.91	3.52	0.00000357	8145	0.0350			
10/30/16 20:00	29.81	3.53	0.00000356	8145	0.0349			
10/30/16 21:00	29.97	3.50	0.00000358	8145	0.0350			
10/30/16 22:00	29.94	3.46	0.00000357	8145	0.0349			
10/30/16 23:00	29.99	3.59	0.00000358	8145	0.0352	0.0352	0.0267	
10/31/16 00:00	30.16	3.53	0.00000360	8145	0.0353			
10/31/16 01:00	30.04	3.62	0.00000359	8145	0.0353			
10/31/16 02:00	30.05	3.57	0.00000359	8145	0.0352			
10/31/16 03:00	30.11	3.56	0.00000360	8145	0.0353			
10/31/16 04:00	29.80	3.53	0.00000356	8145	0.0349			
10/31/16 05:00	29.92	3.42	0.00000357	8145	0.0348			
10/31/16 06:00	29.68	3.61	0.00000354	8145	0.0349			
10/31/16 07:00	29.97	3.60	0.00000358	8145	0.0352			
10/31/16 08:00	30.36	3.76	0.00000362	8145	0.0360			
10/31/16 09:00	30.20	3.67	0.00000361	8145	0.0356			
10/31/16 10:00	30.22	3.62	0.00000361	8145	0.0355			
10/31/16 11:00	30.23	3.63	0.00000361	8145	0.0356			
10/31/16 12:00	30.15	3.69	0.00000360	8145	0.0356			
10/31/16 13:00	29.91	3.60	0.00000357	8145	0.0351			
10/31/16 14:00	30.01	3.62	0.00000358	8145	0.0353			
10/31/16 15:00	29.97	3.79	0.00000358	8145	0.0356			
10/31/16 16:00	29.85	3.84	0.00000356	8145	0.0356			
10/31/16 17:00	29.94	3.89	0.00000358	8145	0.0358			
10/31/16 18:00	29.76	3.91	0.00000355	8145	0.0356			
10/31/16 19:00	30.09	4.17	0.00000359	8145	0.0366			
10/31/16 20:00	29.27	4.59	0.00000349	8145	0.0365			
10/31/16 21:00	29.58	4.55	0.00000353	8145	0.0368			
10/31/16 22:00	29.86	4.50	0.00000357	8145	0.0370			
10/31/16 23:00	29.67	4.55	0.00000354	8145	0.0369	0.0357	0.0272	
11/1/16 00:00	30.00	4.65	0.00000358	8145	0.0375			
11/1/16 01:00	30.03	4.68	0.00000359	8145	0.0376			
11/1/16 02:00	29.21	4.76	0.00000349	8145	0.0368			
11/1/16 03:00	29.03	4.74	0.00000347	8145	0.0365			
11/1/16 04:00	29.13	4.77	0.00000348	8145	0.0367			
11/1/16 05:00	28.77	4.89	0.00000343	8145	0.0365			
11/1/16 06:00	28.81	4.98	0.00000344	8145	0.0368			
11/1/16 07:00	28.76	4.87	0.00000343	8145	0.0365			
11/1/16 08:00	28.86	4.93	0.00000345	8145	0.0367			
11/1/16 09:00	29.24	4.76	0.00000349	8145	0.0368			
11/1/16 10:00	29.50	4.76	0.00000352	8145	0.0371			
11/1/16 11:00	28.97	4.73	0.00000346	8145	0.0364			
11/1/16 12:00	30.45	4.74	0.00000364	8145	0.0383			
11/1/16 13:00	29.97	4.71	0.00000358	8145	0.0376			
11/1/16 14:00	30.26	4.07	0.00000361	8145	0.0365			
11/1/16 15:00	29.94	4.05	0.00000357	8145	0.0361			
11/1/16 16:00	30.04	4.09	0.00000359	8145	0.0363			
11/1/16 17:00	29.64	4.09	0.00000354	8145	0.0358			
11/1/16 18:00	29.80	4.13	0.00000356	8145	0.0361			
11/1/16 19:00	30.09	4.08	0.00000359	8145	0.0364			
11/1/16 20:00	30.13	4.10	0.00000360	8145	0.0365			
11/1/16 21:00	29.85	4.11	0.00000356	8145	0.0361			
11/1/16 22:00	30.09	4.10	0.00000359	8145	0.0364			
11/1/16 23:00	30.03	4.09	0.00000359	8145	0.0363	0.0367	0.0277	
11/2/16 00:00	29.98	4.07	0.00000358	8145	0.0362			
11/2/16 01:00	29.95	4.12	0.00000358	8145	0.0363			
11/2/16 02:00	29.95	4.18	0.00000358	8145	0.0364			
11/2/16 03:00	29.92	4.19	0.00000357	8145	0.0364			
11/2/16 04:00	30.06	4.05	0.00000359	8145	0.0363			

	Boiler B-5 (EPN 2-00, EQT 0030) - NOx							
	NO _x (ppmd)	O ₂ (% vol)	C _d (lb/scf)	F _d (scf/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	Comments
60.49b(g)(1)				60.49b(g)(7)	60.49b(g)(2)	60.49b(g)(3)	60.49b(g)(3)	60.49b(g)(4), 60.49b(g)(5), 60.49b(g)(6), 60.49b(g)(8), 60.49b(g)(9)
DATE/TIME	CEM	CEM	Method 19 Table 19-1	Method 19	Method 19 Eq. 19-1	Daily Average	30-DRA Limit = 0.1	
11/2/16 05:00	29.85	4.11	0.00000356	8145	0.0361			
11/2/16 06:00	29.77	4.26	0.00000355	8145	0.0364			
11/2/16 07:00	29.39	4.34	0.00000351	8145	0.0361			
11/2/16 08:00	30.05	4.33	0.00000359	8145	0.0369			
11/2/16 09:00	30.24	4.32	0.00000361	8145	0.0371			
11/2/16 10:00	29.96	4.27	0.00000358	8145	0.0366			
11/2/16 11:00	30.20	4.10	0.00000361	8145	0.0365			
11/2/16 12:00	29.92	4.08	0.00000357	8145	0.0362			
11/2/16 13:00	30.11	3.95	0.00000359	8145	0.0361			
11/2/16 14:00	30.28	3.81	0.00000362	8145	0.0360			
11/2/16 15:00	29.84	3.86	0.00000356	8145	0.0356			
11/2/16 16:00	29.69	3.88	0.00000354	8145	0.0354			
11/2/16 17:00	29.91	3.86	0.00000357	8145	0.0357			
11/2/16 18:00	30.10	3.91	0.00000359	8145	0.0360			
11/2/16 19:00	29.96	3.91	0.00000358	8145	0.0358			
11/2/16 20:00	29.85	3.98	0.00000356	8145	0.0359			
11/2/16 21:00	30.02	4.06	0.00000358	8145	0.0362			
11/2/16 22:00	30.07	4.03	0.00000359	8145	0.0362			
11/2/16 23:00	29.89	4.01	0.00000357	8145	0.0360	0.0362	0.0282	
11/3/16 00:00	30.12	3.98	0.00000360	8145	0.0362			
11/3/16 01:00	29.75	3.88	0.00000355	8145	0.0355			
11/3/16 02:00	30.30	3.89	0.00000362	8145	0.0362			
11/3/16 03:00	29.91	3.86	0.00000357	8145	0.0357			
11/3/16 04:00	29.92	3.85	0.00000357	8242	0.0361			
11/3/16 05:00	29.78	3.80	0.00000356	8242	0.0358			
11/3/16 06:00	29.99	3.68	0.00000358	8242	0.0358			
11/3/16 07:00	29.89	3.78	0.00000357	8242	0.0359			
11/3/16 08:00	29.97	3.59	0.00000358	8242	0.0356			
11/3/16 09:00	30.18	3.46	0.00000360	8242	0.0356			
11/3/16 10:00	30.05	3.58	0.00000359	8242	0.0357			
11/3/16 11:00	30.02	3.64	0.00000358	8242	0.0358			
11/3/16 12:00	30.06	3.62	0.00000359	8242	0.0358			
11/3/16 13:00	30.06	3.54	0.00000359	8242	0.0356			
11/3/16 14:00	30.14	3.59	0.00000360	8242	0.0358			
11/3/16 15:00	29.96	3.63	0.00000358	8242	0.0357			
11/3/16 16:00	30.02	3.62	0.00000358	8242	0.0357			
11/3/16 17:00	30.00	3.66	0.00000358	8242	0.0358			
11/3/16 18:00	29.57	3.49	0.00000353	8242	0.0349			
11/3/16 19:00	30.21	3.61	0.00000361	8242	0.0359			
11/3/16 20:00	29.79	3.57	0.00000356	8242	0.0354			
11/3/16 21:00	30.10	3.55	0.00000359	8242	0.0357			
11/3/16 22:00	30.04	3.55	0.00000359	8242	0.0356			
11/3/16 23:00	29.87	3.56	0.00000357	8242	0.0354	0.0357	0.0287	
11/4/16 00:00	29.96	3.67	0.00000358	8242	0.0358			
11/4/16 01:00	30.04	3.67	0.00000359	8242	0.0359			
11/4/16 02:00	30.07	3.60	0.00000359	8242	0.0358			
11/4/16 03:00	30.09	3.57	0.00000359	8242	0.0357			
11/4/16 04:00	29.94	3.40	0.00000357	8242	0.0352			
11/4/16 05:00	29.75	3.53	0.00000355	8242	0.0352			
11/4/16 06:00	29.58	3.57	0.00000353	8242	0.0351			
11/4/16 07:00	29.65	3.48	0.00000354	8242	0.0350			
11/4/16 08:00	29.93	3.45	0.00000357	8242	0.0353			
11/4/16 09:00	30.13	3.49	0.00000360	8242	0.0356			
11/4/16 10:00	30.68	3.48	0.00000366	8242	0.0362			
11/4/16 11:00	30.15	3.50	0.00000360	8242	0.0356			
11/4/16 12:00	29.90	3.59	0.00000357	8242	0.0355			
11/4/16 13:00	30.05	3.59	0.00000359	8242	0.0357			
11/4/16 14:00	29.97	3.61	0.00000358	8242	0.0357			
11/4/16 15:00	29.88	3.67	0.00000357	8242	0.0357			
11/4/16 16:00	29.94	3.74	0.00000357	8242	0.0359			
11/4/16 17:00	29.92	3.75	0.00000357	8242	0.0359			
11/4/16 18:00	29.84	3.77	0.00000356	8242	0.0358			
11/4/16 19:00	29.92	3.85	0.00000357	8242	0.0361			
11/4/16 20:00	30.00	3.88	0.00000358	8242	0.0363			
11/4/16 21:00	29.92	3.81	0.00000357	8242	0.0360			
11/4/16 22:00	30.48	3.84	0.00000364	8242	0.0367			
11/4/16 23:00	30.11	3.85	0.00000360	8242	0.0363	0.0357	0.0292	
11/5/16 00:00	30.01	3.91	0.00000358	8242	0.0363			
11/5/16 01:00	30.03	3.86	0.00000359	8242	0.0362			
11/5/16 02:00	30.04	3.87	0.00000359	8242	0.0363			
11/5/16 03:00	30.00	3.90	0.00000358	8242	0.0363			
11/5/16 04:00	29.97	3.88	0.00000358	8242	0.0362			
11/5/16 05:00	30.02	3.98	0.00000358	8242	0.0365			
11/5/16 06:00	30.02	3.92	0.00000358	8242	0.0364			
11/5/16 07:00	29.97	3.97	0.00000358	8242	0.0364			
11/5/16 08:00	29.97	3.94	0.00000358	8242	0.0363			
11/5/16 09:00	29.93	3.95	0.00000357	8242	0.0363			
11/5/16 10:00	29.97	3.92	0.00000358	8242	0.0363			
11/5/16 11:00	29.95	3.90	0.00000358	8242	0.0362			
11/5/16 12:00	29.90	3.94	0.00000357	8242	0.0363			
11/5/16 13:00	30.02	3.95	0.00000358	8242	0.0364			
11/5/16 14:00	29.73	3.88	0.00000355	8242	0.0359			
11/5/16 15:00	29.98	3.92	0.00000358	8242	0.0363			
11/5/16 16:00	29.84	3.89	0.00000356	8242	0.0361			
11/5/16 17:00	30.42	3.97	0.00000363	8242	0.0369			
11/5/16 18:00	29.98	3.94	0.00000358	8242	0.0364			

	Boiler B-5 (EPN 2-00, EQT 0030) - NOx							
	NO _x (ppmd)	O ₂ (% vol)	C _d (lb/scf)	F _d (scf/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	Comments
60.49b(g)(1)				60.49b(g)(7)	60.49b(g)(2)	60.49b(g)(3)	60.49b(g)(3)	60.49b(g)(4), 60.49b(g)(5), 60.49b(g)(6), 60.49b(g)(8), 60.49b(g)(9)
DATE/TIME	CEM	CEM	Method 19 Table 19-1	Method 19	Method 19 Eq. 19-1	Daily Average	30-DRA Limit = 0.1	
11/5/16 19:00	29.85	3.94	0.00000356	8242	0.0362			
11/5/16 20:00	30.06	3.91	0.00000359	8242	0.0364			
11/5/16 21:00	29.99	3.88	0.00000358	8242	0.0362			
11/5/16 22:00	30.14	3.92	0.00000360	8242	0.0365			
11/5/16 23:00	30.03	3.91	0.00000359	8242	0.0364	0.0363	0.0297	
11/6/16 00:00	30.12	3.96	0.00000360	8242	0.0366			
11/6/16 01:00	29.86	3.89	0.00000356	8242	0.0361			
11/6/16 01:00	30.07	3.94	0.00000359	8242	0.0365			
11/6/16 02:00	29.89	4.08	0.00000357	8242	0.0366			
11/6/16 03:00	30.10	4.08	0.00000359	8242	0.0368			
11/6/16 04:00	29.99	4.07	0.00000358	8242	0.0366			
11/6/16 05:00	30.08	4.10	0.00000359	8242	0.0368			
11/6/16 06:00	30.07	4.08	0.00000359	8242	0.0368			
11/6/16 07:00	30.04	3.93	0.00000359	8242	0.0364			
11/6/16 08:00	30.14	3.87	0.00000360	8242	0.0364			
11/6/16 09:00	30.06	3.90	0.00000359	8242	0.0364			
11/6/16 10:00	29.98	3.84	0.00000358	8242	0.0362			
11/6/16 11:00	30.03	3.90	0.00000359	8242	0.0363			
11/6/16 12:00	30.01	3.91	0.00000358	8242	0.0363			
11/6/16 13:00	29.90	3.85	0.00000357	8242	0.0361			
11/6/16 14:00	30.01	3.84	0.00000358	8242	0.0362			
11/6/16 15:00	29.99	3.75	0.00000358	8242	0.0360			
11/6/16 16:00	30.02	3.66	0.00000358	8242	0.0358			
11/6/16 17:00	30.05	3.59	0.00000359	8242	0.0357			
11/6/16 18:00	30.03	3.57	0.00000359	8242	0.0356			
11/6/16 19:00	29.83	3.54	0.00000356	8242	0.0353			
11/6/16 20:00	29.98	3.53	0.00000358	8242	0.0355			
11/6/16 21:00	30.15	3.58	0.00000360	8242	0.0358			
11/6/16 22:00	29.97	3.51	0.00000358	8242	0.0354			
11/6/16 23:00	29.94	3.63	0.00000358	8242	0.0357	0.0361	0.0301	
11/7/16 00:00	30.07	3.60	0.00000359	8242	0.0358			
11/7/16 01:00	29.98	3.55	0.00000358	8242	0.0355			
11/7/16 02:00	29.87	3.52	0.00000357	8242	0.0353			
11/7/16 03:00	30.02	3.68	0.00000358	8242	0.0359			
11/7/16 04:00	29.95	3.62	0.00000358	8242	0.0356			
11/7/16 05:00	29.78	3.73	0.00000356	8242	0.0357			
11/7/16 06:00	30.13	3.67	0.00000360	8242	0.0360			
11/7/16 07:00	29.94	3.59	0.00000358	8242	0.0356			
11/7/16 08:00	29.76	3.73	0.00000355	8242	0.0357			
11/7/16 09:00	30.15	3.69	0.00000360	8242	0.0360			
11/7/16 10:00	29.88	3.64	0.00000357	8242	0.0356			
11/7/16 11:00	29.95	3.75	0.00000358	8242	0.0359			
11/7/16 12:00	29.77	3.68	0.00000355	8242	0.0356			
11/7/16 13:00	30.19	3.63	0.00000360	8242	0.0359			
11/7/16 14:00	29.69	3.60	0.00000354	8242	0.0353			
11/7/16 15:00	30.33	3.33	0.00000362	8242	0.0355			
11/7/16 16:00	29.92	3.40	0.00000357	8242	0.0352			
11/7/16 17:00	30.13	3.38	0.00000360	8242	0.0354			
11/7/16 18:00	29.89	3.47	0.00000357	8242	0.0353			
11/7/16 19:00	30.10	3.52	0.00000359	8242	0.0356			
11/7/16 20:00	30.04	3.50	0.00000359	8242	0.0355			
11/7/16 21:00	30.02	3.48	0.00000358	8242	0.0355			
11/7/16 22:00	29.86	3.48	0.00000356	8242	0.0353			
11/7/16 23:00	30.19	3.51	0.00000360	8242	0.0357	0.0356	0.0305	
11/8/16 00:00	30.12	3.44	0.00000360	8242	0.0355			
11/8/16 01:00	29.96	3.40	0.00000358	8242	0.0352			
11/8/16 02:00	29.79	3.49	0.00000356	8242	0.0352			
11/8/16 03:00	30.03	3.51	0.00000359	8242	0.0355			
11/8/16 04:00	29.97	3.53	0.00000358	8242	0.0355			
11/8/16 05:00	30.01	3.59	0.00000358	8242	0.0357			
11/8/16 06:00	30.02	3.58	0.00000358	8242	0.0357			
11/8/16 07:00	30.06	3.49	0.00000359	8242	0.0355			
11/8/16 08:00	30.08	3.31	0.00000359	8242	0.0352			
11/8/16 09:00	30.71	3.20	0.00000367	8242	0.0357			
11/8/16 10:00	30.02	3.37	0.00000358	8242	0.0352			
11/8/16 11:00	29.84	3.35	0.00000356	8242	0.0350			
11/8/16 12:00	29.92	3.27	0.00000357	8242	0.0349			
11/8/16 13:00	30.20	3.28	0.00000361	8242	0.0352			
11/8/16 14:00	29.90	3.25	0.00000357	8242	0.0348			
11/8/16 15:00	29.99	3.24	0.00000358	8242	0.0349			
11/8/16 16:00	30.06	3.26	0.00000359	8242	0.0351			
11/8/16 17:00	29.97	3.30	0.00000358	8242	0.0350			
11/8/16 18:00	30.06	3.31	0.00000359	8242	0.0352			
11/8/16 19:00	30.01	3.38	0.00000358	8242	0.0352			
11/8/16 20:00	30.10	3.15	0.00000359	8242	0.0349			
11/8/16 21:00	30.04	3.15	0.00000359	8242	0.0348			
11/8/16 22:00	29.94	3.26	0.00000357	8242	0.0349			
11/8/16 23:00	29.98	3.32	0.00000358	8242	0.0351	0.0352	0.0309	
11/9/16 00:00	30.10	3.32	0.00000359	8242	0.0352			
11/9/16 01:00	30.06	3.37	0.00000359	8242	0.0353			
11/9/16 02:00	29.97	3.42	0.00000358	8242	0.0353			
11/9/16 03:00	30.05	3.36	0.00000359	8242	0.0352			
11/9/16 04:00	30.11	3.32	0.00000360	8242	0.0352			
11/9/16 05:00	29.97	3.29	0.00000358	8242	0.0350			
11/9/16 06:00	29.85	3.35	0.00000356	8242	0.0350			
11/9/16 07:00	30.13	3.40	0.00000360	8242	0.0354			

	Boiler B-5 (EPN 2-00, EQT 0030) - NOx							
	NO _x (ppmd)	O ₂ (% vol)	C _d (lb/scf)	F _d (scf/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	Comments
60.49b(g)(1)				60.49b(g)(7)	60.49b(g)(2)	60.49b(g)(3)	60.49b(g)(3)	60.49b(g)(4), 60.49b(g)(5), 60.49b(g)(6), 60.49b(g)(8), 60.49b(g)(9)
DATE/TIME	CEM	CEM	Method 19 Table 19-1	Method 19	Method 19 Eq. 19-1	Daily Average	30-DRA Limit = 0.1	
11/9/16 08:00	29.91	3.37	0.00000357	8242	0.0351			
11/9/16 09:00	30.00	3.31	0.00000358	8242	0.0351			
11/9/16 10:00	29.98	3.39	0.00000358	8242	0.0352			
11/9/16 11:00	30.02	3.42	0.00000358	8242	0.0353			
11/9/16 12:00	29.93	3.33	0.00000357	8242	0.0350			
11/9/16 13:00	30.04	3.28	0.00000359	8242	0.0351			
11/9/16 14:00	30.05	3.27	0.00000359	8242	0.0351			
11/9/16 15:00	29.95	3.28	0.00000358	8242	0.0350			
11/9/16 16:00	29.97	3.31	0.00000358	8242	0.0350			
11/9/16 17:00	29.91	3.31	0.00000357	8242	0.0350			
11/9/16 18:00	30.05	3.36	0.00000359	8242	0.0352			
11/9/16 19:00	29.93	3.44	0.00000357	8242	0.0353			
11/9/16 20:00	29.98	3.39	0.00000358	8242	0.0352			
11/9/16 21:00	29.98	3.34	0.00000358	8242	0.0351			
11/9/16 22:00	30.09	3.31	0.00000359	8242	0.0352			
11/9/16 23:00	30.01	3.33	0.00000358	8242	0.0351	0.0352	0.0312	
11/10/16 00:00	30.06	3.33	0.00000359	8242	0.0352			
11/10/16 01:00	29.98	3.28	0.00000358	8242	0.0350			
11/10/16 02:00	30.02	3.26	0.00000358	8242	0.0350			
11/10/16 03:00	29.95	3.25	0.00000358	8242	0.0349			
11/10/16 04:00	30.00	3.21	0.00000358	8242	0.0349			
11/10/16 05:00	30.00	3.23	0.00000358	8242	0.0349			
11/10/16 06:00	30.08	3.25	0.00000359	8242	0.0350			
11/10/16 07:00	30.02	3.20	0.00000358	8242	0.0349			
11/10/16 08:00	29.90	3.42	0.00000357	8242	0.0352			
11/10/16 09:00	29.92	3.39	0.00000357	8242	0.0351			
11/10/16 10:00	29.97	3.66	0.00000358	8242	0.0357			
11/10/16 11:00	30.08	3.38	0.00000359	8242	0.0353			
11/10/16 12:00	29.99	3.35	0.00000358	8242	0.0352			
11/10/16 13:00	30.07	3.33	0.00000359	8242	0.0352			
11/10/16 14:00	29.98	3.28	0.00000358	8242	0.0350			
11/10/16 15:00	30.17	3.11	0.00000360	8242	0.0349			
11/10/16 16:00	29.92	3.24	0.00000357	8242	0.0348			
11/10/16 17:00	29.91	3.20	0.00000357	8242	0.0348			
11/10/16 18:00	30.02	3.21	0.00000358	8242	0.0349			
11/10/16 19:00	30.02	3.21	0.00000358	8242	0.0349			
11/10/16 20:00	29.99	3.16	0.00000358	8242	0.0348			
11/10/16 21:00	29.98	3.18	0.00000358	8242	0.0348			
11/10/16 22:00	30.03	3.23	0.00000359	8242	0.0350			
11/10/16 23:00	30.01	3.24	0.00000358	8242	0.0349	0.0350	0.0316	
11/11/16 00:00	29.96	3.25	0.00000358	8242	0.0349			
11/11/16 01:00	29.97	3.25	0.00000358	8242	0.0349			
11/11/16 02:00	30.08	3.25	0.00000359	8242	0.0350			
11/11/16 03:00	30.00	3.25	0.00000358	8242	0.0350			
11/11/16 04:00	30.02	3.24	0.00000358	8242	0.0350			
11/11/16 05:00	30.05	3.21	0.00000359	8242	0.0349			
11/11/16 06:00	30.19	3.14	0.00000360	8242	0.0350			
11/11/16 07:00	30.03	3.21	0.00000359	8242	0.0349			
11/11/16 08:00	30.08	3.13	0.00000359	8084	0.0342			
11/11/16 09:00	30.15	3.08	0.00000360	8084	0.0341			
11/11/16 10:00	30.13	3.03	0.00000360	8084	0.0340			
11/11/16 11:00	30.54	3.02	0.00000365	8084	0.0345			
11/11/16 12:00	30.44	3.02	0.00000363	8084	0.0343			
11/11/16 13:00	30.44	2.96	0.00000364	8084	0.0342			
11/11/16 14:00	30.47	3.02	0.00000364	8084	0.0344			
11/11/16 15:00	30.29	3.02	0.00000362	8084	0.0342			
11/11/16 16:00	30.04	3.02	0.00000359	8084	0.0339			
11/11/16 17:00	30.05	3.01	0.00000359	8084	0.0339			
11/11/16 18:00	30.07	3.00	0.00000359	8084	0.0339			
11/11/16 19:00	30.06	3.01	0.00000359	8084	0.0339			
11/11/16 20:00	30.02	3.03	0.00000358	8084	0.0339			
11/11/16 21:00	29.95	3.03	0.00000358	8084	0.0338			
11/11/16 22:00	29.99	3.03	0.00000358	8084	0.0339			
11/11/16 23:00	30.05	3.02	0.00000359	8084	0.0339	0.0344	0.0320	
11/12/16 00:00	29.96	3.02	0.00000358	8084	0.0338			
11/12/16 01:00	30.04	3.03	0.00000359	8084	0.0339			
11/12/16 02:00	30.01	3.04	0.00000358	8084	0.0339			
11/12/16 03:00	30.00	3.07	0.00000358	8084	0.0339			
11/12/16 04:00	29.98	3.03	0.00000358	8084	0.0338			
11/12/16 05:00	30.05	3.06	0.00000359	8084	0.0340			
11/12/16 06:00	29.97	3.07	0.00000358	8084	0.0339			
11/12/16 07:00	30.01	3.05	0.00000358	8084	0.0339			
11/12/16 08:00	30.22	3.03	0.00000361	8084	0.0341			
11/12/16 09:00	30.40	3.06	0.00000363	8084	0.0344			
11/12/16 10:00	30.72	3.06	0.00000367	8084	0.0347			
11/12/16 11:00	30.75	3.03	0.00000367	8084	0.0347			
11/12/16 12:00	30.85	3.06	0.00000368	8084	0.0349			
11/12/16 13:00	30.51	3.02	0.00000364	8084	0.0344			
11/12/16 14:00	30.65	3.02	0.00000366	8084	0.0346			
11/12/16 15:00	30.53	2.99	0.00000365	8084	0.0344			
11/12/16 16:00	30.27	3.01	0.00000361	8084	0.0341			
11/12/16 17:00	29.95	3.03	0.00000358	8084	0.0338			
11/12/16 18:00	30.01	3.04	0.00000358	8084	0.0339			
11/12/16 19:00	30.07	3.04	0.00000359	8084	0.0340			
11/12/16 20:00	30.05	2.99	0.00000359	8084	0.0339			
11/12/16 21:00	30.03	3.02	0.00000359	8084	0.0339			

	Boiler B-5 (EPN 2-00, EQT 0030) - NOx							
	NO _x (ppmd)	O ₂ (% vol)	C _d (lb/scf)	F _d (scf/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	Comments
60.49b(g)(1)				60.49b(g)(7)	60.49b(g)(2)	60.49b(g)(3)	60.49b(g)(3)	60.49b(g)(4), 60.49b(g)(5), 60.49b(g)(6), 60.49b(g)(8), 60.49b(g)(9)
DATE/TIME	CEM	CEM	Method 19 Table 19-1	Method 19	Method 19 Eq. 19-1	Daily Average	30-DRA Limit = 0.1	
11/12/16 22:00	30.04	3.01	0.00000359	8084	0.0339			
11/12/16 23:00	30.04	3.01	0.00000359	8084	0.0339	0.0341	0.0324	
11/13/16 00:00	30.12	3.02	0.00000360	8084	0.0340			
11/13/16 01:00	30.05	3.00	0.00000359	8084	0.0339			
11/13/16 02:00	30.13	2.99	0.00000360	8084	0.0339			
11/13/16 03:00	30.10	3.03	0.00000359	8084	0.0340			
11/13/16 04:00	30.06	2.98	0.00000359	8084	0.0338			
11/13/16 05:00	30.06	3.04	0.00000359	8084	0.0339			
11/13/16 06:00	30.00	2.99	0.00000358	8084	0.0338			
11/13/16 07:00	29.99	3.03	0.00000358	8084	0.0338			
11/13/16 08:00	30.26	3.02	0.00000361	8084	0.0341			
11/13/16 09:00	30.35	3.03	0.00000362	8084	0.0343			
11/13/16 10:00	30.54	3.04	0.00000365	8084	0.0345			
11/13/16 11:00	30.40	3.02	0.00000363	8084	0.0343			
11/13/16 12:00	30.46	2.97	0.00000364	8084	0.0343			
11/13/16 13:00	30.65	2.99	0.00000366	8084	0.0345			
11/13/16 14:00	30.63	2.99	0.00000366	8084	0.0345			
11/13/16 15:00	30.49	3.01	0.00000364	8084	0.0344			
11/13/16 16:00	30.33	2.96	0.00000362	8084	0.0341			
11/13/16 17:00	30.31	3.00	0.00000362	8084	0.0342			
11/13/16 18:00	30.12	3.00	0.00000360	8084	0.0339			
11/13/16 19:00	30.01	3.00	0.00000358	8084	0.0338			
11/13/16 20:00	30.02	2.99	0.00000358	8084	0.0338			
11/13/16 21:00	30.02	2.99	0.00000358	8084	0.0338			
11/13/16 22:00	30.00	3.00	0.00000358	8084	0.0338			
11/13/16 23:00	30.07	2.97	0.00000359	8084	0.0338	0.0341	0.0327	
11/14/16 00:00	29.98	3.02	0.00000358	8084	0.0338			
11/14/16 01:00	29.99	3.01	0.00000358	8084	0.0338			
11/14/16 02:00	29.99	2.98	0.00000358	8084	0.0338			
11/14/16 03:00	29.98	2.99	0.00000358	8084	0.0338			
11/14/16 04:00	30.00	2.93	0.00000358	8084	0.0337			
11/14/16 05:00	30.01	2.92	0.00000358	8084	0.0337			
11/14/16 06:00	30.06	2.82	0.00000359	8084	0.0335			
11/14/16 07:00	30.00	2.91	0.00000358	8084	0.0336			
11/14/16 08:00	30.00	2.90	0.00000358	8084	0.0336			
11/14/16 09:00	30.08	2.93	0.00000359	8084	0.0338			
11/14/16 10:00	30.51	2.92	0.00000364	8084	0.0342			
11/14/16 11:00	30.83	2.91	0.00000368	8084	0.0346			
11/14/16 12:00	31.00	2.95	0.00000370	8084	0.0348			
11/14/16 13:00	31.11	2.94	0.00000371	8084	0.0350			
11/14/16 14:00	31.12	2.88	0.00000372	8084	0.0348			
11/14/16 15:00	30.86	2.89	0.00000368	8084	0.0346			
11/14/16 16:00	30.51	2.89	0.00000364	8084	0.0342			
11/14/16 17:00	30.62	2.90	0.00000366	8084	0.0343			
11/14/16 18:00	29.87	3.10	0.00000357	8084	0.0338			
11/14/16 19:00	31.08	2.89	0.00000371	8084	0.0348			
11/14/16 20:00	30.46	3.01	0.00000364	8084	0.0344			
11/14/16 21:00	30.27	2.97	0.00000361	8084	0.0341			
11/14/16 22:00	29.95	3.02	0.00000358	8084	0.0338			
11/14/16 23:00	29.94	3.04	0.00000357	8084	0.0338	0.0341	0.0331	
11/15/16 00:00	30.00	3.03	0.00000358	8084	0.0339			
11/15/16 01:00	29.97	3.02	0.00000358	8084	0.0338			
11/15/16 02:00	30.00	3.01	0.00000358	8084	0.0338			
11/15/16 03:00	30.01	3.00	0.00000358	8084	0.0338			
11/15/16 04:00	29.97	3.05	0.00000358	8084	0.0339			
11/15/16 05:00	30.06	3.03	0.00000359	8084	0.0339			
11/15/16 06:00	30.07	2.96	0.00000359	8084	0.0338			
11/15/16 07:00	30.02	3.02	0.00000358	8084	0.0339			
11/15/16 08:00	30.02	3.03	0.00000358	8084	0.0339			
11/15/16 09:00	30.10	3.01	0.00000359	8084	0.0339			
11/15/16 10:00	30.26	3.05	0.00000361	8084	0.0342			
11/15/16 11:00	30.55	3.02	0.00000365	8084	0.0345			
11/15/16 12:00	30.16	3.00	0.00000360	8084	0.0340			
11/15/16 13:00	29.94	3.05	0.00000358	8084	0.0338			
11/15/16 14:00	30.10	3.00	0.00000359	8084	0.0339			
11/15/16 15:00	30.02	3.02	0.00000358	8084	0.0339			
11/15/16 16:00	29.88	3.03	0.00000357	8084	0.0337			
11/15/16 17:00	30.05	3.03	0.00000359	8084	0.0339			
11/15/16 18:00	29.93	3.07	0.00000357	8084	0.0339			
11/15/16 19:00	29.98	3.06	0.00000358	8084	0.0339			
11/15/16 20:00	29.92	3.03	0.00000357	8084	0.0338			
11/15/16 21:00	29.99	3.03	0.00000358	8084	0.0339			
11/15/16 22:00	29.97	3.01	0.00000358	8084	0.0338			
11/15/16 23:00	29.93	3.03	0.00000357	8084	0.0338	0.0339	0.0335	
11/16/16 00:00	29.94	3.00	0.00000358	8084	0.0338			
11/16/16 01:00	30.02	2.97	0.00000358	8084	0.0338			
11/16/16 02:00	30.05	3.05	0.00000359	8084	0.0339			
11/16/16 03:00	29.98	3.01	0.00000358	8084	0.0338			
11/16/16 04:00	30.05	3.02	0.00000359	8084	0.0339			
11/16/16 05:00	30.01	3.00	0.00000358	8084	0.0338			
11/16/16 06:00	30.22	2.96	0.00000361	8084	0.0340			
11/16/16 07:00	30.04	3.02	0.00000359	8084	0.0339			
11/16/16 08:00	30.11	3.04	0.00000360	8084	0.0340			
11/16/16 09:00	30.08	3.03	0.00000359	8084	0.0340			
11/16/16 10:00	30.08	3.11	0.00000359	8084	0.0341			
11/16/16 11:00	30.37	3.09	0.00000363	8084	0.0344			

	Boiler B-5 (EPN 2-00, EQT 0030) - NOx							
	NO _x (ppmd)	O ₂ (% vol)	C _d (lb/scf)	F _d (scf/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	Comments
60.49b(g)(1)				60.49b(g)(7)	60.49b(g)(2)	60.49b(g)(3)	60.49b(g)(3)	60.49b(g)(4), 60.49b(g)(5), 60.49b(g)(6), 60.49b(g)(8), 60.49b(g)(9)
DATE/TIME	CEM	CEM	Method 19 Table 19-1	Method 19	Method 19 Eq. 19-1	Daily Average	30-DRA Limit = 0.1	
11/16/16 12:00	30.51	3.07	0.00000364	8084	0.0345			
11/16/16 13:00	30.74	3.03	0.00000367	8084	0.0347			
11/16/16 14:00	30.92	3.04	0.00000369	8084	0.0349			
11/16/16 15:00	30.72	3.04	0.00000367	8084	0.0347			
11/16/16 16:00	30.36	3.07	0.00000363	8084	0.0343			
11/16/16 17:00	30.31	3.06	0.00000362	8084	0.0343			
11/16/16 18:00	29.83	3.04	0.00000356	8084	0.0337			
11/16/16 19:00	30.02	3.06	0.00000358	8084	0.0339			
11/16/16 20:00	29.98	3.06	0.00000358	8084	0.0339			
11/16/16 21:00	30.08	3.09	0.00000359	8084	0.0341			
11/16/16 22:00	29.97	3.19	0.00000358	8084	0.0341			
11/16/16 23:00	29.89	3.15	0.00000357	8084	0.0340	0.0341	0.0338	
11/17/16 00:00	29.88	3.13	0.00000357	8084	0.0339			
11/17/16 01:00	30.08	3.12	0.00000359	8084	0.0341			
11/17/16 02:00	29.95	3.31	0.00000358	8084	0.0343			
11/17/16 03:00	32.25	3.93	0.00000385	8084	0.0383			
11/17/16 04:00	29.26	3.34	0.00000349	8084	0.0336			
11/17/16 05:00	29.57	3.19	0.00000353	8084	0.0337			
11/17/16 06:00	29.80	3.40	0.00000356	8084	0.0343			
11/17/16 07:00	30.11	3.41	0.00000360	8084	0.0347			
11/17/16 08:00	29.96	3.35	0.00000358	8084	0.0344			
11/17/16 09:00	28.96	3.41	0.00000346	8084	0.0334			
11/17/16 10:00	29.59	3.26	0.00000353	8084	0.0338			
11/17/16 11:00	29.26	3.49	0.00000349	8084	0.0339			
11/17/16 12:00	29.17	3.54	0.00000348	8084	0.0339			
11/17/16 13:00	28.06	3.41	0.00000335	8084	0.0324			
11/17/16 14:00	27.43	3.59	0.00000328	8084	0.0320			
11/17/16 15:00	27.50	3.62	0.00000328	8084	0.0321			
11/17/16 16:00	28.33	3.78	0.00000338	8084	0.0334			
11/17/16 17:00	29.96	3.75	0.00000358	8084	0.0352			
11/17/16 18:00	28.99	3.91	0.00000346	8084	0.0344			
11/17/16 19:00	28.89	3.75	0.00000345	8084	0.0340			
11/17/16 20:00	28.70	3.87	0.00000343	8084	0.0340			
11/17/16 21:00	29.08	4.10	0.00000347	8084	0.0349			
11/17/16 22:00	28.16	4.71	0.00000336	8084	0.0351			
11/17/16 23:00	14.70	12.68	0.00000176	8084	0.0361	0.0342	0.0342	Shutdown 23:27-23:57.
11/18/16 00:00	16.04	7.96	0.00000192	8084	0.0250			
11/18/16 01:00	21.54	4.60	0.00000257	8084	0.0267			
11/18/16 02:00	21.89	4.81	0.00000261	8084	0.0274			
11/18/16 03:00	21.58	4.84	0.00000258	8084	0.0271			
11/18/16 04:00	20.52	4.91	0.00000245	8084	0.0259			
11/18/16 05:00	20.62	5.08	0.00000246	8084	0.0263			
11/18/16 06:00	20.90	5.14	0.00000250	8084	0.0267			
11/18/16 07:00	22.77	4.38	0.00000272	8084	0.0278			
11/18/16 08:00	22.65	4.72	0.00000270	8084	0.0282			
11/18/16 09:00	22.65	4.65	0.00000270	8084	0.0281			
11/18/16 10:00	23.02	4.51	0.00000275	8084	0.0283			
11/18/16 11:00	23.48	4.55	0.00000280	8084	0.0290			
11/18/16 12:00	22.57	4.67	0.00000269	8084	0.0280			
11/18/16 13:00	22.27	4.52	0.00000266	8084	0.0274			
11/18/16 14:00	22.25	4.36	0.00000266	8084	0.0271			
11/18/16 15:00	21.33	4.34	0.00000255	8084	0.0260			
11/18/16 16:00	22.39	4.41	0.00000267	8084	0.0274			
11/18/16 17:00	22.21	4.33	0.00000265	8084	0.0270			
11/18/16 18:00	23.13	4.52	0.00000276	8084	0.0285			
11/18/16 19:00	22.84	4.69	0.00000273	8084	0.0284			
11/18/16 20:00	22.96	4.74	0.00000274	8084	0.0287			
11/18/16 21:00	22.77	4.76	0.00000272	8084	0.0285			
11/18/16 22:00	22.82	4.79	0.00000272	8084	0.0286			
11/18/16 23:00	22.41	4.98	0.00000268	8084	0.0284	0.0275	0.0344	
11/19/16 00:00	22.33	4.93	0.00000267	8084	0.0282			
11/19/16 01:00	21.33	4.96	0.00000255	8084	0.0270			
11/19/16 02:00	22.01	4.96	0.00000263	8084	0.0278			
11/19/16 03:00	22.94	4.88	0.00000274	8084	0.0289			
11/19/16 04:00	23.26	5.00	0.00000278	8084	0.0295			
11/19/16 05:00	24.00	4.89	0.00000287	8084	0.0303			
11/19/16 06:00	23.98	5.09	0.00000286	8084	0.0306			
11/19/16 07:00	24.10	5.08	0.00000288	8084	0.0307			
11/19/16 08:00	24.50	4.97	0.00000293	8084	0.0310			
11/19/16 09:00	24.67	5.12	0.00000295	8084	0.0315			
11/19/16 10:00	25.44	4.69	0.00000304	8084	0.0317			
11/19/16 11:00	26.67	4.18	0.00000318	8084	0.0322			
11/19/16 12:00	27.14	4.23	0.00000324	8084	0.0328			
11/19/16 13:00	27.10	4.17	0.00000324	8084	0.0327			
11/19/16 14:00	27.59	4.16	0.00000329	8084	0.0332			
11/19/16 15:00	27.30	4.21	0.00000326	8084	0.0330			
11/19/16 16:00	27.46	4.30	0.00000328	8084	0.0334			
11/19/16 17:00	27.34	4.38	0.00000326	8084	0.0334			
11/19/16 18:00	27.29	4.31	0.00000326	8084	0.0332			
11/19/16 19:00	27.28	4.21	0.00000326	8084	0.0330			
11/19/16 20:00	27.42	4.17	0.00000327	8084	0.0331			
11/19/16 21:00	27.71	4.07	0.00000331	8084	0.0332			
11/19/16 22:00	27.85	4.01	0.00000332	8084	0.0333			
11/19/16 23:00	27.60	4.01	0.00000329	8084	0.0330	0.0315	0.0346	
11/20/16 00:00	27.25	4.25	0.00000325	8084	0.0330			
11/20/16 01:00	26.77	4.19	0.00000320	8084	0.0323			

	Boiler B-5 (EPN 2-00, EQT 0030) - NOx							
	NO _x (ppmd)	O ₂ (% vol)	C _d (lb/scf)	F _d (scf/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	Comments
60.49b(g)(1)				60.49b(g)(7)	60.49b(g)(2)	60.49b(g)(3)	60.49b(g)(3)	60.49b(g)(4), 60.49b(g)(5), 60.49b(g)(6), 60.49b(g)(8), 60.49b(g)(9)
DATE/TIME	CEM	CEM	Method 19 Table 19-1	Method 19	Method 19 Eq. 19-1	Daily Average	30-DRA Limit = 0.1	
11/20/16 02:00	25.79	4.62	0.00000308	8084	0.0320			
11/20/16 03:00	25.89	4.57	0.00000309	8084	0.0320			
11/20/16 04:00	26.07	4.49	0.00000311	8084	0.0321			
11/20/16 05:00	26.34	4.45	0.00000315	8084	0.0323			
11/20/16 06:00	27.17	4.48	0.00000324	8084	0.0334			
11/20/16 07:00	27.22	4.24	0.00000325	8084	0.0330			
11/20/16 08:00	27.16	4.38	0.00000324	8084	0.0332			
11/20/16 09:00	27.86	4.48	0.00000333	8084	0.0342			
11/20/16 10:00	28.33	4.44	0.00000338	8084	0.0347			
11/20/16 11:00	28.47	4.36	0.00000340	8084	0.0347			
11/20/16 12:00	27.86	4.27	0.00000333	8084	0.0338			
11/20/16 13:00	27.04	4.04	0.00000323	8084	0.0324			
11/20/16 14:00	26.81	4.05	0.00000320	8084	0.0321			
11/20/16 15:00	26.84	4.06	0.00000321	8084	0.0322			
11/20/16 16:00	26.49	4.20	0.00000316	8084	0.0320			
11/20/16 17:00	26.36	4.26	0.00000315	8084	0.0320			
11/20/16 18:00	26.24	4.24	0.00000313	8084	0.0318			
11/20/16 19:00	26.15	4.19	0.00000312	8084	0.0316			
11/20/16 20:00	25.92	4.27	0.00000309	8084	0.0314			
11/20/16 21:00	25.94	4.28	0.00000310	8084	0.0315			
11/20/16 22:00	26.11	4.27	0.00000312	8084	0.0317			
11/20/16 23:00	26.43	4.27	0.00000316	8084	0.0321	0.0326	0.0346	
11/21/16 00:00	25.51	4.38	0.00000305	8084	0.0311			
11/21/16 01:00	25.21	4.43	0.00000301	8084	0.0309			
11/21/16 02:00	25.31	4.24	0.00000302	8084	0.0306			
11/21/16 03:00	25.57	4.15	0.00000305	8084	0.0308			
11/21/16 04:00	25.98	4.11	0.00000310	8084	0.0312			
11/21/16 05:00	26.10	4.00	0.00000312	8084	0.0312			
11/21/16 06:00	26.26	4.05	0.00000314	8084	0.0314			
11/21/16 07:00	25.78	4.16	0.00000308	8084	0.0311			
11/21/16 08:00	25.62	4.21	0.00000306	8084	0.0310			
11/21/16 09:00	27.15	3.98	0.00000324	8084	0.0324			
11/21/16 10:00	26.62	4.32	0.00000318	8084	0.0324			
11/21/16 11:00	26.78	4.42	0.00000320	8084	0.0328			
11/21/16 12:00	27.12	4.34	0.00000324	8084	0.0330			
11/21/16 13:00	27.19	4.30	0.00000325	8084	0.0330			
11/21/16 14:00	27.47	4.21	0.00000328	8084	0.0332			
11/21/16 15:00	27.71	4.18	0.00000331	8084	0.0334			
11/21/16 16:00	27.40	4.16	0.00000327	8084	0.0330			
11/21/16 17:00	27.20	4.32	0.00000325	8084	0.0331			
11/21/16 18:00	26.68	4.32	0.00000319	8084	0.0325			
11/21/16 19:00	26.33	4.26	0.00000314	8084	0.0319			
11/21/16 20:00	26.03	4.18	0.00000311	8084	0.0314			
11/21/16 21:00	25.81	4.30	0.00000308	8084	0.0314			
11/21/16 22:00	25.87	4.18	0.00000309	8084	0.0312			
11/21/16 23:00	25.84	4.12	0.00000309	8084	0.0311	0.0319	0.0346	
11/22/16 00:00	26.23	4.09	0.00000313	8084	0.0315			
11/22/16 01:00	26.46	4.11	0.00000316	8084	0.0318			
11/22/16 02:00	26.03	4.05	0.00000311	8084	0.0312			
11/22/16 03:00	25.97	4.01	0.00000310	8084	0.0310			
11/22/16 04:00	26.36	3.89	0.00000315	8084	0.0313			
11/22/16 05:00	26.20	3.97	0.00000313	8084	0.0312			
11/22/16 06:00	26.85	4.07	0.00000321	8084	0.0322			
11/22/16 07:00	26.82	3.95	0.00000320	8084	0.0319			
11/22/16 08:00	26.50	4.08	0.00000316	8084	0.0318			
11/22/16 09:00	26.51	4.07	0.00000317	8084	0.0318			
11/22/16 10:00	26.54	4.07	0.00000317	8084	0.0318			
11/22/16 11:00	26.79	3.92	0.00000320	8084	0.0318			
11/22/16 12:00	26.38	4.01	0.00000315	8084	0.0315			
11/22/16 13:00	26.69	4.05	0.00000319	8084	0.0320			
11/22/16 14:00	26.45	4.19	0.00000316	8084	0.0319			
11/22/16 15:00	26.41	4.11	0.00000315	8084	0.0317			
11/22/16 16:00	26.07	4.18	0.00000311	8084	0.0315			
11/22/16 17:00	25.92	4.15	0.00000309	8084	0.0312			
11/22/16 18:00	25.96	4.04	0.00000310	8084	0.0311			
11/22/16 19:00	25.91	3.98	0.00000309	8084	0.0309			
11/22/16 20:00	26.90	3.84	0.00000321	8084	0.0318			
11/22/16 21:00	26.56	3.65	0.00000317	8084	0.0311			
11/22/16 22:00	26.51	3.42	0.00000317	8084	0.0306			
11/22/16 23:00	27.08	3.25	0.00000323	8084	0.0310	0.0315	0.0345	
11/23/16 00:00	27.10	3.22	0.00000324	8084	0.0309			
11/23/16 01:00	27.67	3.19	0.00000330	8084	0.0315			
11/23/16 02:00	27.08	3.08	0.00000323	8084	0.0307			
11/23/16 03:00	27.17	3.24	0.00000324	8084	0.0310			
11/23/16 04:00	27.81	3.15	0.00000332	8084	0.0316			
11/23/16 05:00	27.70	3.27	0.00000331	8084	0.0317			
11/23/16 06:00	27.58	3.30	0.00000329	8084	0.0316			
11/23/16 07:00	27.31	3.19	0.00000326	8084	0.0311			
11/23/16 08:00	27.36	3.16	0.00000327	8084	0.0311			
11/23/16 09:00	26.63	3.15	0.00000318	8084	0.0303			
11/23/16 10:00	25.36	3.60	0.00000303	8084	0.0296			
11/23/16 11:00	25.49	3.55	0.00000304	8084	0.0296			
11/23/16 12:00	25.94	3.66	0.00000310	8084	0.0304			
11/23/16 13:00	26.78	3.53	0.00000320	8084	0.0311			
11/23/16 14:00	27.26	3.46	0.00000325	8084	0.0315			
11/23/16 15:00	26.14	3.20	0.00000312	8084	0.0298			

	Boiler B-5 (EPN 2-00, EQT 0030) - NOx							
	NO _x (ppmd)	O ₂ (% vol)	C _d (lb/scf)	F _d (scf/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	Comments
60.49b(g)(1)				60.49b(g)(7)	60.49b(g)(2)	60.49b(g)(3)	60.49b(g)(3)	60.49b(g)(4), 60.49b(g)(5), 60.49b(g)(6), 60.49b(g)(8), 60.49b(g)(9)
DATE/TIME	CEM	CEM	Method 19 Table 19-1	Method 19	Method 19 Eq. 19-1	Daily Average	30-DRA Limit = 0.1	
11/23/16 16:00	25.77	3.22	0.00000308	8084	0.0294			
11/23/16 17:00	25.73	3.21	0.00000307	8084	0.0293			
11/23/16 18:00	25.79	3.23	0.00000308	8084	0.0294			
11/23/16 19:00	25.61	3.23	0.00000306	8084	0.0292			
11/23/16 20:00	25.34	3.19	0.00000303	8084	0.0289			
11/23/16 21:00	25.13	3.33	0.00000300	8084	0.0289			
11/23/16 22:00	25.81	3.46	0.00000308	8084	0.0299			
11/23/16 23:00	25.57	3.22	0.00000305	8084	0.0292	0.0303	0.0343	
11/24/16 00:00	25.96	3.22	0.00000310	8084	0.0296			
11/24/16 01:00	26.20	3.34	0.00000313	8084	0.0301			
11/24/16 02:00	26.17	3.18	0.00000312	8084	0.0298			
11/24/16 03:00	26.16	3.10	0.00000312	8084	0.0297			
11/24/16 04:00	26.75	3.46	0.00000319	8084	0.0310			
11/24/16 05:00	26.98	3.84	0.00000322	8084	0.0319			
11/24/16 06:00	25.20	3.80	0.00000301	8084	0.0297			
11/24/16 07:00	26.47	3.42	0.00000316	8084	0.0305			
11/24/16 08:00	28.36	3.64	0.00000339	8084	0.0331			
11/24/16 09:00	28.37	3.77	0.00000339	8084	0.0334			
11/24/16 10:00	28.84	3.68	0.00000344	8084	0.0338			
11/24/16 11:00	28.88	3.46	0.00000345	8084	0.0334			
11/24/16 12:00	28.24	3.59	0.00000337	8084	0.0329			
11/24/16 13:00	28.10	3.86	0.00000336	8084	0.0333			
11/24/16 14:00	28.43	3.59	0.00000339	8084	0.0331			
11/24/16 15:00	28.71	3.47	0.00000343	8084	0.0332			
11/24/16 16:00	28.14	3.81	0.00000336	8084	0.0332			
11/24/16 17:00	28.46	4.10	0.00000340	8084	0.0342			
11/24/16 18:00	29.05	4.14	0.00000347	8084	0.0350			
11/24/16 19:00	29.30	3.65	0.00000350	8084	0.0343			
11/24/16 20:00	29.07	3.24	0.00000347	8084	0.0332			
11/24/16 21:00	28.56	3.85	0.00000341	8084	0.0338			
11/24/16 22:00	29.18	3.43	0.00000348	8084	0.0337			
11/24/16 23:00	29.04	3.42	0.00000347	8084	0.0335	0.0325	0.0342	
11/25/16 00:00	29.47	3.45	0.00000352	8084	0.0341			
11/25/16 01:00	29.15	3.28	0.00000348	8084	0.0334			
11/25/16 02:00	29.05	3.31	0.00000347	8084	0.0333			
11/25/16 03:00	28.74	3.37	0.00000343	8084	0.0331			
11/25/16 04:00	29.17	3.47	0.00000348	8084	0.0338			
11/25/16 05:00	28.86	3.47	0.00000345	8084	0.0334			
11/25/16 06:00	29.74	3.48	0.00000355	8084	0.0344			
11/25/16 07:00	30.09	3.47	0.00000359	8084	0.0348			
11/25/16 08:00	29.94	3.43	0.00000358	8084	0.0346			
11/25/16 09:00	30.28	3.44	0.00000361	8084	0.0350			
11/25/16 10:00	30.08	3.41	0.00000359	8084	0.0347			
11/25/16 11:00	29.96	3.43	0.00000358	8084	0.0346			
11/25/16 12:00	30.01	3.65	0.00000358	8084	0.0351			
11/25/16 13:00	29.98	3.52	0.00000358	8084	0.0348			
11/25/16 14:00	30.10	3.48	0.00000359	8084	0.0349			
11/25/16 15:00	29.98	3.47	0.00000358	8084	0.0347			
11/25/16 16:00	30.01	3.54	0.00000358	8084	0.0349			
11/25/16 17:00	29.95	3.64	0.00000358	8084	0.0350			
11/25/16 18:00	29.96	3.61	0.00000358	8084	0.0350			
11/25/16 19:00	29.87	3.51	0.00000357	8084	0.0347			
11/25/16 20:00	30.00	3.45	0.00000358	8084	0.0347			
11/25/16 21:00	30.22	3.43	0.00000361	8084	0.0349			
11/25/16 22:00	30.17	3.43	0.00000360	8084	0.0348			
11/25/16 23:00	29.95	3.39	0.00000358	8084	0.0345	0.0345	0.0342	
11/26/16 00:00	30.05	3.38	0.00000359	8084	0.0346			
11/26/16 01:00	30.08	3.38	0.00000359	8084	0.0346			
11/26/16 02:00	30.04	3.36	0.00000359	8084	0.0346			
11/26/16 03:00	29.99	3.36	0.00000358	8084	0.0345			
11/26/16 04:00	30.09	3.37	0.00000359	8084	0.0346			
11/26/16 05:00	29.99	3.35	0.00000358	8084	0.0345			
11/26/16 06:00	29.90	3.30	0.00000357	8084	0.0343			
11/26/16 07:00	29.87	3.39	0.00000357	8084	0.0344			
11/26/16 08:00	30.07	3.44	0.00000359	8084	0.0347			
11/26/16 09:00	29.98	3.57	0.00000358	8084	0.0349			
11/26/16 10:00	30.00	3.71	0.00000358	8084	0.0352			
11/26/16 11:00	30.17	3.57	0.00000360	8084	0.0351			
11/26/16 12:00	30.13	3.62	0.00000360	8084	0.0352			
11/26/16 13:00	30.14	3.62	0.00000360	8084	0.0352			
11/26/16 14:00	30.01	3.55	0.00000358	8084	0.0349			
11/26/16 15:00	30.01	3.54	0.00000358	8084	0.0349			
11/26/16 16:00	29.94	3.52	0.00000357	8084	0.0348			
11/26/16 17:00	30.01	3.50	0.00000358	8084	0.0348			
11/26/16 18:00	29.93	3.40	0.00000357	8084	0.0345			
11/26/16 19:00	30.06	3.59	0.00000359	8084	0.0350			
11/26/16 20:00	30.03	3.67	0.00000359	8084	0.0352			
11/26/16 21:00	30.04	3.68	0.00000359	8084	0.0352			
11/26/16 22:00	29.97	3.69	0.00000358	8084	0.0351			
11/26/16 23:00	29.99	3.66	0.00000358	8084	0.0351	0.0348	0.0342	
11/27/16 00:00	30.03	3.69	0.00000359	8084	0.0352			
11/27/16 01:00	29.96	3.65	0.00000358	8084	0.0350			
11/27/16 02:00	30.00	3.65	0.00000358	8084	0.0351			
11/27/16 03:00	29.99	3.68	0.00000358	8084	0.0351			
11/27/16 04:00	30.03	3.59	0.00000359	8084	0.0350			
11/27/16 05:00	30.05	3.25	0.00000359	8084	0.0343			

	Boiler B-5 (EPN 2-00, EQT 0030) - NOx							
	NO _x (ppmd)	O ₂ (% vol)	C _d (lb/scf)	F _d (scf/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	Comments
60.49b(g)(1)				60.49b(g)(7)	60.49b(g)(2)	60.49b(g)(3)	60.49b(g)(3)	60.49b(g)(4), 60.49b(g)(5), 60.49b(g)(6), 60.49b(g)(8), 60.49b(g)(9)
DATE/TIME	CEM	CEM	Method 19 Table 19-1	Method 19	Method 19 Eq. 19-1	Daily Average	30-DRA Limit = 0.1	
11/27/16 06:00	30.13	3.18	0.00000360	8084	0.0343			
11/27/16 07:00	29.99	3.23	0.00000358	8084	0.0342			
11/27/16 08:00	29.89	3.15	0.00000357	8084	0.0340			
11/27/16 09:00	30.09	3.10	0.00000359	8084	0.0341			
11/27/16 10:00	30.02	3.10	0.00000358	8084	0.0340			
11/27/16 11:00	30.00	3.06	0.00000358	8084	0.0339			
11/27/16 12:00	29.99	3.09	0.00000358	8084	0.0340			
11/27/16 13:00	29.96	3.09	0.00000358	8084	0.0339			
11/27/16 14:00	30.04	3.06	0.00000359	8084	0.0340			
11/27/16 15:00	29.91	3.09	0.00000357	8084	0.0339			
11/27/16 16:00	30.05	3.07	0.00000359	8084	0.0340			
11/27/16 17:00	29.95	3.14	0.00000358	8084	0.0340			
11/27/16 18:00	29.93	3.27	0.00000357	8084	0.0342			
11/27/16 19:00	29.98	3.25	0.00000358	8084	0.0343			
11/27/16 20:00	30.00	3.21	0.00000358	8084	0.0342			
11/27/16 21:00	30.10	3.15	0.00000359	8084	0.0342			
11/27/16 22:00	29.99	3.13	0.00000358	8084	0.0340			
11/27/16 23:00	29.97	3.15	0.00000358	8084	0.0341	0.0343	0.0342	
11/28/16 00:00	30.00	3.17	0.00000358	8084	0.0341			
11/28/16 01:00	29.99	3.12	0.00000358	8084	0.0340			
11/28/16 02:00	29.97	3.16	0.00000358	8084	0.0341			
11/28/16 03:00	29.97	3.19	0.00000358	8084	0.0341			
11/28/16 04:00	30.05	3.18	0.00000359	8084	0.0342			
11/28/16 05:00	29.95	3.15	0.00000358	8084	0.0340			
11/28/16 06:00	29.89	3.28	0.00000357	8084	0.0342			
11/28/16 07:00	28.99	4.90	0.00000346	8084	0.0365			
11/28/16 08:00	28.10	5.62	0.00000335	8084	0.0371			
11/28/16 09:00		19.42	0.00000000	8084	0.0000			Boiler Shutdown 09:04.
11/28/16 10:00		20.98	0.00000000	8084	0.0000			
11/28/16 11:00		20.98	0.00000000	8084	0.0000			
11/28/16 12:00		20.98	0.00000000	8084	0.0000			
11/28/16 13:00	12.22	13.68	0.00000146	8084	0.0341			Boiler Start up 13:18.
11/28/16 14:00	26.01	5.79	0.00000311	8084	0.0347			
11/28/16 15:00	27.56	5.44	0.00000329	8084	0.0360			
11/28/16 16:00	26.69	5.53	0.00000319	8084	0.0350			
11/28/16 17:00	26.48	5.63	0.00000316	8084	0.0350			
11/28/16 18:00	26.31	5.68	0.00000314	8084	0.0349			
11/28/16 19:00	26.41	5.70	0.00000315	8084	0.0351			
11/28/16 20:00	26.35	5.73	0.00000315	8084	0.0350			
11/28/16 21:00	26.02	5.77	0.00000311	8084	0.0347			
11/28/16 22:00	25.70	5.79	0.00000307	8084	0.0343			
11/28/16 23:00	25.77	5.81	0.00000308	8084	0.0344	0.0290	0.0339	
11/29/16 00:00	25.67	5.82	0.00000306	8084	0.0343			
11/29/16 01:00	25.78	5.84	0.00000308	8084	0.0345			
11/29/16 02:00	25.71	5.83	0.00000307	8084	0.0344			
11/29/16 03:00	25.77	5.82	0.00000308	8084	0.0345			
11/29/16 04:00	26.46	5.70	0.00000316	8084	0.0351			
11/29/16 05:00	27.02	5.52	0.00000323	8084	0.0354			
11/29/16 06:00	25.85	5.67	0.00000309	8084	0.0342			
11/29/16 07:00	24.25	5.57	0.00000290	8084	0.0319			
11/29/16 08:00	26.10	5.76	0.00000312	8084	0.0348			
11/29/16 09:00	24.85	5.53	0.00000297	8084	0.0326			
11/29/16 10:00	26.06	5.73	0.00000311	8084	0.0347			
11/29/16 11:00	26.46	5.75	0.00000316	8084	0.0352			
11/29/16 12:00	26.09	5.74	0.00000311	8084	0.0347			
11/29/16 13:00	26.20	5.71	0.00000313	8084	0.0348			
11/29/16 14:00	27.01	5.46	0.00000322	8084	0.0353			
11/29/16 15:00	26.65	5.52	0.00000318	8084	0.0349			
11/29/16 16:00	28.91	4.69	0.00000345	8084	0.0360			
11/29/16 17:00	30.52	3.91	0.00000364	8084	0.0362			
11/29/16 18:00	28.59	4.29	0.00000341	8084	0.0347			
11/29/16 19:00	27.96	4.66	0.00000334	8084	0.0347			
11/29/16 20:00	28.71	4.28	0.00000343	8084	0.0349			
11/29/16 21:00	27.74	4.67	0.00000331	8084	0.0345			
11/29/16 22:00	27.21	4.95	0.00000325	8084	0.0344			
11/29/16 23:00	27.66	4.93	0.00000330	8084	0.0349	0.0347	0.0339	
11/30/16 00:00	26.43	5.20	0.00000316	8084	0.0340			
11/30/16 01:00	26.51	5.38	0.00000317	8084	0.0345			
11/30/16 02:00	25.98	5.40	0.00000310	8084	0.0338			
11/30/16 03:00	26.34	5.00	0.00000315	8084	0.0334			
11/30/16 04:00	26.92	4.97	0.00000321	8084	0.0341			
11/30/16 05:00	26.61	4.81	0.00000318	8084	0.0334			
11/30/16 06:00	26.87	4.88	0.00000321	8084	0.0338			
11/30/16 07:00	27.46	4.79	0.00000328	8084	0.0344			
11/30/16 08:00	28.18	4.25	0.00000336	8084	0.0341			
11/30/16 09:00	28.00	4.34	0.00000334	8084	0.0341			
11/30/16 10:00	30.28	4.13	0.00000362	8084	0.0364			
11/30/16 11:00	29.85	4.09	0.00000356	8084	0.0358			
11/30/16 12:00	29.96	4.18	0.00000358	8084	0.0361			
11/30/16 13:00	30.02	4.41	0.00000358	8084	0.0367			
11/30/16 14:00	30.27	4.73	0.00000361	8084	0.0378			
11/30/16 15:00	29.87	4.92	0.00000357	8084	0.0377			
11/30/16 16:00	28.10	4.87	0.00000336	8084	0.0354			
11/30/16 17:00	24.25	4.98	0.00000290	8084	0.0307			
11/30/16 18:00	25.95	5.21	0.00000310	8084	0.0334			
11/30/16 19:00	21.45	5.19	0.00000256	8084	0.0275			

	Boiler B-5 (EPN 2-00, EQT 0030) - NOx							
	NO _x (ppmd)	O ₂ (% vol)	C _d (lb/scf)	F _d (scf/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	Comments
60.49b(g)(1)				60.49b(g)(7)	60.49b(g)(2)	60.49b(g)(3)	60.49b(g)(3)	60.49b(g)(4), 60.49b(g)(5), 60.49b(g)(6), 60.49b(g)(8), 60.49b(g)(9)
DATE/TIME	CEM	CEM	Method 19 Table 19-1	Method 19	Method 19 Eq. 19-1	Daily Average	30-DRA Limit = 0.1	
11/30/16 20:00	21.67	5.36	0.00000259	8084	0.0281			
11/30/16 21:00	21.82	5.32	0.00000260	8084	0.0283			
11/30/16 22:00	22.03	5.34	0.00000263	8084	0.0286			
11/30/16 23:00	21.89	5.32	0.00000261	8084	0.0283	0.0334	0.0338	
12/1/16 00:00	21.60	5.44	0.00000258	8084	0.0282			
12/1/16 01:00	21.76	5.58	0.00000260	8084	0.0287			
12/1/16 02:00	21.83	5.72	0.00000261	8084	0.0290			
12/1/16 03:00	21.97	5.62	0.00000262	8084	0.0290			
12/1/16 04:00	21.79	5.71	0.00000260	8084	0.0289			
12/1/16 05:00	21.80	5.71	0.00000260	8084	0.0290			
12/1/16 06:00	21.92	5.58	0.00000262	8084	0.0289			
12/1/16 07:00	21.85	5.57	0.00000261	8084	0.0288			
12/1/16 08:00	22.71	5.58	0.00000271	8084	0.0299			
12/1/16 09:00	23.00	5.48	0.00000275	8084	0.0301			
12/1/16 10:00	22.73	5.51	0.00000271	8084	0.0298			
12/1/16 11:00	23.20	5.50	0.00000277	8084	0.0304			
12/1/16 12:00	23.71	5.49	0.00000283	8084	0.0310			
12/1/16 13:00	24.03	5.53	0.00000287	8084	0.0315			
12/1/16 14:00	23.67	5.49	0.00000283	8084	0.0310			
12/1/16 15:00	23.43	5.51	0.00000280	8084	0.0307			
12/1/16 16:00	23.51	5.58	0.00000281	8084	0.0310			
12/1/16 17:00	23.03	5.49	0.00000275	8084	0.0301			
12/1/16 18:00	23.21	5.37	0.00000277	8084	0.0301			
12/1/16 19:00	22.68	5.28	0.00000271	8084	0.0293			
12/1/16 20:00	23.48	5.20	0.00000280	8084	0.0302			
12/1/16 21:00	22.35	5.32	0.00000267	8084	0.0289			
12/1/16 22:00	22.26	5.20	0.00000266	8084	0.0286			
12/1/16 23:00	22.59	5.19	0.00000270	8084	0.0290	0.0297	0.0336	
12/2/16 00:00	22.34	5.22	0.00000267	8084	0.0287			
12/2/16 01:00	22.52	5.19	0.00000269	8084	0.0289			
12/2/16 02:00	22.67	5.15	0.00000271	8084	0.0290			
12/2/16 03:00	22.98	5.08	0.00000274	8084	0.0293			
12/2/16 04:00	23.50	5.07	0.00000281	8084	0.0299			
12/2/16 05:00	23.77	5.14	0.00000284	8084	0.0304			
12/2/16 06:00	24.14	5.30	0.00000288	8084	0.0312			
12/2/16 07:00	24.05	5.29	0.00000287	8084	0.0311			
12/2/16 08:00	23.90	5.26	0.00000285	8084	0.0308			
12/2/16 09:00	23.92	5.20	0.00000286	8084	0.0307			
12/2/16 10:00	23.84	5.14	0.00000285	8084	0.0305			
12/2/16 11:00	23.93	5.08	0.00000286	8084	0.0305			
12/2/16 12:00	24.01	5.16	0.00000287	8084	0.0308			
12/2/16 13:00	23.26	5.25	0.00000278	8084	0.0300			
12/2/16 14:00	23.18	5.23	0.00000277	8084	0.0298			
12/2/16 15:00	23.08	5.26	0.00000276	8084	0.0298			
12/2/16 16:00	23.21	5.21	0.00000277	8084	0.0298			
12/2/16 17:00	23.60	5.23	0.00000282	8084	0.0304			
12/2/16 18:00	23.16	5.26	0.00000276	8084	0.0299			
12/2/16 19:00	22.88	5.19	0.00000273	8084	0.0294			
12/2/16 20:00	23.54	5.04	0.00000281	8084	0.0299			
12/2/16 21:00	23.22	4.98	0.00000277	8084	0.0294			
12/2/16 22:00	23.72	5.02	0.00000283	8084	0.0301			
12/2/16 23:00	23.93	4.91	0.00000286	8084	0.0302	0.0300	0.0334	
12/3/16 00:00	23.42	4.97	0.00000280	8084	0.0297			
12/3/16 01:00	23.37	4.86	0.00000279	8084	0.0294			
12/3/16 02:00	23.49	4.93	0.00000281	8084	0.0297			
12/3/16 03:00	23.32	4.98	0.00000278	8084	0.0296			
12/3/16 04:00	23.20	4.93	0.00000277	8084	0.0293			
12/3/16 05:00	22.49	4.93	0.00000269	8084	0.0284			
12/3/16 06:00	23.35	4.78	0.00000279	8084	0.0292			
12/3/16 07:00	23.58	4.76	0.00000281	8084	0.0295			
12/3/16 08:00	23.39	4.80	0.00000279	8084	0.0293			
12/3/16 09:00	23.42	4.96	0.00000280	8084	0.0296			
12/3/16 10:00	23.04	5.08	0.00000275	8084	0.0294			
12/3/16 11:00	23.21	5.00	0.00000277	8084	0.0295			
12/3/16 12:00	22.96	5.05	0.00000274	8084	0.0292			
12/3/16 13:00	22.92	4.95	0.00000274	8084	0.0290			
12/3/16 14:00	22.83	4.87	0.00000273	8084	0.0287			
12/3/16 15:00	23.02	4.91	0.00000275	8084	0.0291			
12/3/16 16:00	22.95	4.84	0.00000274	8084	0.0288			
12/3/16 17:00	23.32	4.80	0.00000278	8084	0.0292			
12/3/16 18:00	23.32	4.84	0.00000278	8084	0.0293			
12/3/16 19:00	22.95	4.93	0.00000274	8084	0.0290			
12/3/16 20:00	22.79	5.06	0.00000272	8084	0.0290			
12/3/16 21:00	22.56	5.01	0.00000269	8084	0.0286			
12/3/16 22:00	22.44	5.02	0.00000268	8084	0.0285			
12/3/16 23:00	22.36	5.06	0.00000267	8084	0.0285	0.0291	0.0332	
12/4/16 00:00	21.81	5.05	0.00000260	8084	0.0278			
12/4/16 01:00	21.59	5.08	0.00000258	8084	0.0275			
12/4/16 02:00	21.59	5.09	0.00000258	8084	0.0276			
12/4/16 03:00	21.34	5.14	0.00000255	8084	0.0273			
12/4/16 04:00	21.06	5.16	0.00000251	8084	0.0270			
12/4/16 05:00	21.10	5.17	0.00000252	8084	0.0271			
12/4/16 06:00	20.92	4.96	0.00000250	8084	0.0265			
12/4/16 07:00	21.30	5.28	0.00000254	8084	0.0275			
12/4/16 08:00	20.97	5.26	0.00000250	8084	0.0270			
12/4/16 09:00	21.14	5.19	0.00000252	8084	0.0272			

	Boiler B-5 (EPN 2-00, EQT 0030) - NOx							
	NO _x (ppmd)	O ₂ (% vol)	C _d (lb/scf)	F _d (scf/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	Comments
60.49b(g)(1)				60.49b(g)(7)	60.49b(g)(2)	60.49b(g)(3)	60.49b(g)(3)	60.49b(g)(4), 60.49b(g)(5), 60.49b(g)(6), 60.49b(g)(8), 60.49b(g)(9)
DATE/TIME	CEM	CEM	Method 19 Table 19-1	Method 19	Method 19 Eq. 19-1	Daily Average	30-DRA Limit = 0.1	
12/4/16 10:00	20.29	5.11	0.00000242	8084	0.0259			
12/4/16 11:00	19.65	5.21	0.00000235	8084	0.0253			
12/4/16 12:00	19.79	5.29	0.00000236	8084	0.0256			
12/4/16 13:00	19.95	5.14	0.00000238	8084	0.0255			
12/4/16 14:00	20.94	5.02	0.00000250	8084	0.0266			
12/4/16 15:00	21.12	4.91	0.00000252	8084	0.0266			
12/4/16 16:00	21.59	4.66	0.00000258	8084	0.0268			
12/4/16 17:00	21.66	4.38	0.00000259	8084	0.0264			
12/4/16 18:00	21.63	4.91	0.00000258	8084	0.0273			
12/4/16 19:00	21.89	5.02	0.00000261	8084	0.0278			
12/4/16 20:00	22.14	5.08	0.00000264	8084	0.0282			
12/4/16 21:00	21.17	4.96	0.00000253	8084	0.0268			
12/4/16 22:00	19.83	4.86	0.00000237	8084	0.0250			
12/4/16 23:00	21.30	4.94	0.00000254	8084	0.0269	0.0268	0.0329	
12/5/16 00:00	22.02	5.09	0.00000263	8084	0.0281			
12/5/16 01:00	21.32	5.14	0.00000255	8084	0.0273			
12/5/16 02:00	21.92	5.11	0.00000262	8084	0.0280			
12/5/16 03:00	21.91	5.09	0.00000262	8084	0.0280			
12/5/16 04:00	22.58	5.12	0.00000270	8084	0.0289			
12/5/16 05:00	22.50	5.19	0.00000269	8084	0.0289			
12/5/16 06:00	23.33	5.00	0.00000279	8084	0.0296			
12/5/16 07:00	23.32	4.93	0.00000278	8084	0.0295			
12/5/16 08:00	22.29	5.16	0.00000266	8084	0.0286			
12/5/16 09:00	22.11	5.13	0.00000264	8084	0.0283			
12/5/16 10:00	22.83	4.95	0.00000273	8084	0.0289			
12/5/16 11:00	22.31	4.66	0.00000266	8084	0.0277			
12/5/16 12:00	22.36	4.83	0.00000267	8084	0.0281			
12/5/16 13:00	22.25	4.80	0.00000266	8084	0.0279			
12/5/16 14:00	22.50	4.90	0.00000269	8084	0.0284			
12/5/16 15:00	21.63	5.24	0.00000258	8084	0.0279			
12/5/16 16:00	22.23	5.20	0.00000265	8084	0.0286			
12/5/16 17:00	22.62	5.21	0.00000270	8084	0.0291			
12/5/16 18:00	22.60	5.15	0.00000270	8084	0.0289			
12/5/16 19:00	22.99	5.18	0.00000275	8084	0.0295			
12/5/16 20:00	22.16	4.96	0.00000265	8084	0.0280			
12/5/16 21:00	23.00	5.15	0.00000275	8084	0.0295			
12/5/16 22:00	23.03	5.10	0.00000275	8084	0.0294			
12/5/16 23:00	22.29	5.05	0.00000266	8084	0.0284	0.0285	0.0326	
12/6/16 00:00	22.59	5.10	0.00000270	8084	0.0288			
12/6/16 01:00	22.83	5.08	0.00000273	8084	0.0291			
12/6/16 02:00	23.01	5.11	0.00000275	8084	0.0294			
12/6/16 03:00	23.82	5.10	0.00000284	8084	0.0304			
12/6/16 04:00	23.82	5.09	0.00000284	8084	0.0304			
12/6/16 05:00	24.12	5.09	0.00000288	8084	0.0308			
12/6/16 06:00	23.36	5.12	0.00000279	8084	0.0299			
12/6/16 07:00	23.41	5.14	0.00000279	8084	0.0300			
12/6/16 08:00	23.54	5.01	0.00000281	8084	0.0299			
12/6/16 09:00	23.38	4.98	0.00000279	8084	0.0296			
12/6/16 10:00	23.48	4.96	0.00000280	8084	0.0297			
12/6/16 11:00	23.49	4.99	0.00000280	8084	0.0298			
12/6/16 12:00	23.19	4.95	0.00000277	8084	0.0293			
12/6/16 13:00	23.41	4.83	0.00000279	8084	0.0294			
12/6/16 16:00	23.38	4.67	0.00000279	8084	0.0291			
12/6/16 17:00	23.28	4.78	0.00000278	8084	0.0291			
12/6/16 18:00	22.86	4.95	0.00000273	8084	0.0289			
12/6/16 19:00	23.06	4.89	0.00000275	8084	0.0290			
12/6/16 20:00	22.98	4.94	0.00000274	8084	0.0290			
12/6/16 21:00	23.86	4.74	0.00000285	8084	0.0298			
12/6/16 22:00	24.26	4.67	0.00000290	8084	0.0302			
12/6/16 23:00	25.58	3.89	0.00000305	8084	0.0303	0.0296	0.0325	
12/7/16 00:00	26.37	3.71	0.00000315	8084	0.0309			
12/7/16 01:00	27.48	3.10	0.00000328	8084	0.0311			
12/7/16 02:00	27.82	3.11	0.00000332	8084	0.0315			
12/7/16 03:00	27.21	3.40	0.00000325	8084	0.0314			
12/7/16 04:00	27.60	3.50	0.00000329	8084	0.0320			
12/7/16 05:00	27.48	3.42	0.00000328	8084	0.0317			
12/7/16 06:00	25.67	4.04	0.00000306	8084	0.0307			
12/7/16 07:00	25.55	3.97	0.00000305	8084	0.0305			
12/7/16 08:00	25.64	4.01	0.00000306	8084	0.0306			
12/7/16 09:00	25.90	3.89	0.00000309	8084	0.0307			
12/7/16 10:00	25.65	3.94	0.00000306	8084	0.0305			
12/7/16 11:00	25.59	3.86	0.00000306	8084	0.0303			
12/7/16 12:00	25.46	3.95	0.00000304	8084	0.0303			
12/7/16 13:00	26.03	3.92	0.00000311	8084	0.0309			
12/7/16 14:00	26.06	3.88	0.00000311	8084	0.0309			
12/7/16 15:00	26.61	3.78	0.00000318	8084	0.0314			
12/7/16 16:00	25.79	3.78	0.00000308	8084	0.0304			
12/7/16 17:00	26.08	3.88	0.00000311	8084	0.0309			
12/7/16 18:00	25.80	3.83	0.00000308	8084	0.0305			
12/7/16 19:00	25.45	4.12	0.00000304	8084	0.0306			
12/7/16 20:00	24.86	4.31	0.00000297	8084	0.0302			
12/7/16 21:00	24.61	4.47	0.00000294	8084	0.0302			
12/7/16 22:00	24.65	4.40	0.00000294	8084	0.0301			
12/7/16 23:00	24.56	4.44	0.00000293	8084	0.0301	0.0308	0.0323	
12/8/16 00:00	24.57	4.45	0.00000293	8084	0.0301			
12/8/16 01:00	24.52	4.48	0.00000293	8084	0.0301			

	Boiler B-5 (EPN 2-00, EQT 0030) - NOx							
	NO _x (ppmd)	O ₂ (% vol)	C _d (lb/scf)	F _d (scf/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	Comments
60.49b(g)(1)				60.49b(g)(7)	60.49b(g)(2)	60.49b(g)(3)	60.49b(g)(3)	60.49b(g)(4), 60.49b(g)(5), 60.49b(g)(6), 60.49b(g)(8), 60.49b(g)(9)
DATE/TIME	CEM	CEM	Method 19 Table 19-1	Method 19	Method 19 Eq. 19-1	Daily Average	30-DRA Limit = 0.1	
12/8/16 02:00	25.10	4.55	0.00000300	8084	0.0310			
12/8/16 03:00	24.02	4.47	0.00000287	8084	0.0295			
12/8/16 04:00	24.79	4.44	0.00000296	8369	0.0314			
12/8/16 05:00	24.52	4.50	0.00000293	8369	0.0312			
12/8/16 06:00	24.52	4.48	0.00000293	8369	0.0312			
12/8/16 07:00	24.68	4.40	0.00000295	8369	0.0312			
12/8/16 08:00	24.95	4.37	0.00000298	8369	0.0315			
12/8/16 09:00	24.87	4.22	0.00000297	8369	0.0311			
12/8/16 10:00	25.16	4.12	0.00000300	8369	0.0313			
12/8/16 11:00	26.67	3.43	0.00000318	8369	0.0319			
12/8/16 12:00	26.82	3.26	0.00000320	8369	0.0318			
12/8/16 13:00	26.96	3.29	0.00000322	8369	0.0320			
12/8/16 14:00	27.32	3.30	0.00000326	8369	0.0324			
12/8/16 15:00	27.13	3.32	0.00000324	8369	0.0322			
12/8/16 16:00	27.33	3.34	0.00000326	8369	0.0325			
12/8/16 17:00	27.66	3.31	0.00000330	8369	0.0328			
12/8/16 18:00	27.86	3.30	0.00000333	8369	0.0330			
12/8/16 19:00	27.85	3.28	0.00000333	8369	0.0330			
12/8/16 20:00	28.95	3.08	0.00000346	8369	0.0339			
12/8/16 21:00	29.21	3.03	0.00000349	8369	0.0341			
12/8/16 22:00	28.95	3.08	0.00000346	8369	0.0339			
12/8/16 23:00	29.23	3.05	0.00000349	8369	0.0342	0.0320	0.0322	
12/9/16 00:00	28.81	3.15	0.00000344	8369	0.0339			
12/9/16 01:00	28.81	3.06	0.00000344	8369	0.0337			
12/9/16 02:00	28.61	3.13	0.00000342	8369	0.0336			
12/9/16 03:00	28.44	3.08	0.00000340	8369	0.0333			
12/9/16 04:00	28.48	3.15	0.00000340	8369	0.0335			
12/9/16 05:00	28.70	3.06	0.00000343	8369	0.0336			
12/9/16 06:00	28.89	2.94	0.00000345	8369	0.0336			
12/9/16 07:00	28.97	3.07	0.00000346	8369	0.0339			
12/9/16 08:00	29.10	3.15	0.00000347	8369	0.0342			
12/9/16 09:00	29.32	3.17	0.00000350	8369	0.0345			
12/9/16 10:00	29.18	3.18	0.00000348	8369	0.0344			
12/9/16 11:00	28.73	3.18	0.00000343	8369	0.0339			
12/9/16 12:00	29.41	3.11	0.00000351	8369	0.0345			
12/9/16 13:00	29.32	3.19	0.00000350	8369	0.0346			
12/9/16 14:00	29.17	3.18	0.00000348	8369	0.0344			
12/9/16 15:00	29.18	3.14	0.00000348	8369	0.0343			
12/9/16 16:00	28.87	3.20	0.00000345	8369	0.0341			
12/9/16 17:00	28.64	3.17	0.00000342	8369	0.0337			
12/9/16 18:00	28.43	3.18	0.00000339	8369	0.0335			
12/9/16 19:00	28.53	3.17	0.00000341	8369	0.0336			
12/9/16 20:00	28.59	3.18	0.00000341	8369	0.0337			
12/9/16 21:00	28.52	3.16	0.00000341	8369	0.0336			
12/9/16 22:00	28.56	3.18	0.00000341	8369	0.0337			
12/9/16 23:00	28.46	3.16	0.00000340	8369	0.0335	0.0339	0.0322	
12/10/16 00:00	28.50	3.17	0.00000340	8369	0.0336			
12/10/16 01:00	28.46	3.19	0.00000340	8369	0.0336			
12/10/16 02:00	28.42	3.18	0.00000339	8369	0.0335			
12/10/16 03:00	28.48	3.16	0.00000340	8369	0.0335			
12/10/16 04:00	28.59	3.18	0.00000341	8369	0.0337			
12/10/16 05:00	28.49	3.12	0.00000340	8369	0.0335			
12/10/16 06:00	28.31	3.22	0.00000338	8369	0.0334			
12/10/16 07:00	28.24	3.18	0.00000337	8369	0.0333			
12/10/16 08:00	28.22	3.18	0.00000337	8369	0.0333			
12/10/16 09:00	28.25	3.20	0.00000337	8369	0.0333			
12/10/16 10:00	28.57	3.23	0.00000341	8369	0.0338			
12/10/16 11:00	28.74	3.19	0.00000343	8369	0.0339			
12/10/16 12:00	29.11	3.20	0.00000348	8369	0.0343			
12/10/16 13:00	29.19	3.23	0.00000349	8369	0.0345			
12/10/16 14:00	29.45	3.20	0.00000352	8369	0.0348			
12/10/16 15:00	29.35	3.20	0.00000350	8369	0.0346			
12/10/16 16:00	29.18	3.12	0.00000348	8369	0.0343			
12/10/16 17:00	29.05	3.24	0.00000347	8369	0.0344			
12/10/16 18:00	28.84	3.20	0.00000344	8369	0.0340			
12/10/16 19:00	28.77	3.21	0.00000343	8369	0.0340			
12/10/16 20:00	28.60	3.21	0.00000341	8369	0.0338			
12/10/16 21:00	28.60	3.21	0.00000342	8369	0.0338			
12/10/16 22:00	28.55	3.21	0.00000341	8369	0.0337			
12/10/16 23:00	28.41	3.21	0.00000339	8369	0.0335	0.0338	0.0321	
12/11/16 00:00	28.24	3.21	0.00000337	8369	0.0333			
12/11/16 01:00	27.75	3.19	0.00000331	8369	0.0327			
12/11/16 02:00	27.66	3.19	0.00000330	8369	0.0326			
12/11/16 03:00	27.52	3.19	0.00000329	8369	0.0324			
12/11/16 04:00	27.25	3.03	0.00000325	8369	0.0318			
12/11/16 05:00	27.28	3.11	0.00000326	8369	0.0320			
12/11/16 06:00	27.52	3.08	0.00000329	8369	0.0322			
12/11/16 07:00	27.17	3.15	0.00000324	8369	0.0320			
12/11/16 08:00	27.36	3.12	0.00000327	8369	0.0321			
12/11/16 09:00	27.48	3.16	0.00000328	8369	0.0324			
12/11/16 10:00	27.57	3.15	0.00000329	8369	0.0324			
12/11/16 11:00	27.49	3.18	0.00000328	8369	0.0324			
12/11/16 12:00	27.35	3.01	0.00000327	8369	0.0319			
12/11/16 13:00	27.53	3.17	0.00000329	8369	0.0324			
12/11/16 14:00	27.33	3.12	0.00000326	8369	0.0321			
12/11/16 15:00	26.77	3.21	0.00000320	8369	0.0316			

	Boiler B-5 (EPN 2-00, EQT 0030) - NOx							
	NO _x (ppmd)	O ₂ (% vol)	C _d (lb/scf)	F _d (scf/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	Comments
60.49b(g)(1)				60.49b(g)(7)	60.49b(g)(2)	60.49b(g)(3)	60.49b(g)(3)	60.49b(g)(4), 60.49b(g)(5), 60.49b(g)(6), 60.49b(g)(8), 60.49b(g)(9)
DATE/TIME	CEM	CEM	Method 19 Table 19-1	Method 19	Method 19 Eq. 19-1	Daily Average	30-DRA Limit = 0.1	
12/11/16 16:00	26.82	3.18	0.00000320	8369	0.0316			
12/11/16 17:00	25.97	3.23	0.00000310	8369	0.0307			
12/11/16 18:00	25.70	3.20	0.00000307	8369	0.0303			
12/11/16 19:00	25.76	3.18	0.00000308	8369	0.0304			
12/11/16 20:00	26.13	3.15	0.00000312	8369	0.0307			
12/11/16 21:00	25.61	3.23	0.00000306	8369	0.0303			
12/11/16 22:00	26.08	3.14	0.00000311	8369	0.0307			
12/11/16 23:00	25.71	3.18	0.00000307	8369	0.0303	0.0317	0.0320	
12/12/16 00:00	25.52	3.10	0.00000305	8369	0.0299			
12/12/16 01:00	25.38	3.09	0.00000303	8369	0.0298			
12/12/16 02:00	25.58	3.10	0.00000305	8369	0.0300			
12/12/16 03:00	25.48	3.18	0.00000304	8369	0.0300			
12/12/16 04:00	25.42	3.13	0.00000303	8369	0.0299			
12/12/16 05:00	25.64	3.11	0.00000306	8369	0.0301			
12/12/16 06:00	25.50	3.08	0.00000304	8369	0.0299			
12/12/16 07:00	25.53	3.13	0.00000305	8369	0.0300			
12/12/16 08:00	25.73	3.11	0.00000307	8369	0.0302			
12/12/16 09:00	26.15	3.12	0.00000312	8369	0.0307			
12/12/16 10:00	26.04	3.18	0.00000311	8369	0.0307			
12/12/16 11:00	26.24	3.16	0.00000313	8369	0.0309			
12/12/16 12:00	26.26	3.22	0.00000314	8369	0.0310			
12/12/16 13:00	25.94	3.21	0.00000310	8369	0.0306			
12/12/16 14:00	25.69	3.26	0.00000307	8369	0.0304			
12/12/16 15:00	25.60	3.27	0.00000306	8369	0.0303			
12/12/16 16:00	25.23	3.31	0.00000301	8369	0.0299			
12/12/16 17:00	24.72	3.25	0.00000295	8369	0.0292			
12/12/16 18:00	24.38	3.27	0.00000291	8369	0.0289			
12/12/16 19:00	24.46	3.25	0.00000292	8369	0.0290			
12/12/16 20:00	24.24	3.25	0.00000289	8369	0.0287			
12/12/16 21:00	24.63	3.22	0.00000294	8369	0.0291			
12/12/16 22:00	24.36	3.22	0.00000291	8369	0.0288			
12/12/16 23:00	24.51	3.21	0.00000293	8369	0.0289	0.0299	0.0319	
12/13/16 00:00	24.42	3.18	0.00000292	8369	0.0288			
12/13/16 01:00	24.38	3.18	0.00000291	8369	0.0287			
12/13/16 02:00	24.50	3.21	0.00000292	8369	0.0289			
12/13/16 03:00	24.43	3.20	0.00000292	8369	0.0288			
12/13/16 04:00	24.47	3.19	0.00000292	8369	0.0289			
12/13/16 05:00	24.32	3.17	0.00000290	8369	0.0286			
12/13/16 06:00	24.41	3.21	0.00000291	8369	0.0288			
12/13/16 07:00	24.55	3.24	0.00000293	8369	0.0290			
12/13/16 08:00	24.02	3.27	0.00000287	8369	0.0285			
12/13/16 09:00	24.72	3.25	0.00000295	8369	0.0292			
12/13/16 10:00	24.68	3.18	0.00000295	8369	0.0291			
12/13/16 11:00	24.87	3.28	0.00000297	8369	0.0295			
12/13/16 12:00	24.96	3.28	0.00000298	8369	0.0296			
12/13/16 13:00	24.36	3.48	0.00000291	8369	0.0292			
12/13/16 14:00	23.73	3.29	0.00000283	8369	0.0281			
12/13/16 15:00	23.67	3.23	0.00000283	8369	0.0280			
12/13/16 16:00	23.62	3.29	0.00000282	8369	0.0280			
12/13/16 17:00	22.83	3.37	0.00000273	8369	0.0272			
12/13/16 18:00	22.74	3.60	0.00000272	8369	0.0275			
12/13/16 19:00	22.86	3.79	0.00000273	8369	0.0279			
12/13/16 20:00	22.40	3.68	0.00000267	8369	0.0272			
12/13/16 21:00	22.83	3.67	0.00000273	8369	0.0277			
12/13/16 22:00	22.72	3.66	0.00000271	8369	0.0275			
12/13/16 23:00	22.65	3.69	0.00000270	8369	0.0275	0.0284	0.0317	
12/14/16 00:00	22.93	3.73	0.00000274	8369	0.0279			
12/14/16 01:00	21.90	3.56	0.00000261	8369	0.0264			
12/14/16 02:00	21.97	3.55	0.00000262	8369	0.0264			
12/14/16 03:00	22.75	3.68	0.00000272	8369	0.0276			
12/14/16 04:00	23.01	3.66	0.00000275	8369	0.0279			
12/14/16 05:00	23.13	3.55	0.00000276	8369	0.0278			
12/14/16 06:00	23.49	3.65	0.00000280	8369	0.0284			
12/14/16 07:00	23.11	3.44	0.00000276	8369	0.0276			
12/14/16 08:00	22.71	3.49	0.00000271	8369	0.0272			
12/14/16 09:00	23.47	3.67	0.00000280	8369	0.0284			
12/14/16 10:00	23.76	3.63	0.00000284	8369	0.0287			
12/14/16 11:00	23.75	3.70	0.00000284	8369	0.0288			
12/14/16 12:00	24.78	3.78	0.00000296	8369	0.0302			
12/14/16 13:00	24.23	3.59	0.00000289	8369	0.0292			
12/14/16 14:00	24.03	3.49	0.00000287	8369	0.0288			
12/14/16 15:00	23.94	3.57	0.00000286	8369	0.0288			
12/14/16 16:00	24.19	3.64	0.00000289	8369	0.0293			
12/14/16 17:00	24.51	3.71	0.00000293	8369	0.0298			
12/14/16 18:00	25.13	3.70	0.00000300	8369	0.0305			
12/14/16 19:00	24.28	3.78	0.00000290	8369	0.0296			
12/14/16 20:00	24.38	3.63	0.00000291	8369	0.0295			
12/14/16 21:00	24.58	3.59	0.00000293	8369	0.0297			
12/14/16 22:00	24.67	3.58	0.00000295	8369	0.0298			
12/14/16 23:00	24.86	3.60	0.00000297	8369	0.0300	0.0287	0.0315	
12/15/16 00:00	24.97	3.54	0.00000298	8369	0.0300			
12/15/16 01:00	26.23	3.72	0.00000313	8369	0.0319			
12/15/16 02:00	29.44	3.68	0.00000351	8369	0.0357			
12/15/16 03:00	30.07	3.64	0.00000359	8369	0.0364			
12/15/16 04:00	29.96	3.72	0.00000358	8309	0.0362			
12/15/16 05:00	29.98	3.78	0.00000358	8309	0.0363			

	Boiler B-5 (EPN 2-00, EQT 0030) - NOx							Comments
	NO _x (ppmd)	O ₂ (% vol)	C _d (lb/scf)	F _d (scf/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	
60.49b(g)(1)				60.49b(g)(7)	60.49b(g)(2)	60.49b(g)(3)	60.49b(g)(3)	60.49b(g)(4), 60.49b(g)(5), 60.49b(g)(6), 60.49b(g)(8), 60.49b(g)(9)
DATE/TIME	CEM	CEM	Method 19 Table 19-1	Method 19	Method 19 Eq. 19-1	Daily Average	30-DRA Limit = 0.1	
12/15/16 06:00	30.15	3.72	0.00000360	8309	0.0364			
12/15/16 07:00	29.98	3.75	0.00000358	8309	0.0363			
12/15/16 08:00	30.03	3.61	0.00000359	8309	0.0360			
12/15/16 09:00	30.04	3.62	0.00000359	8309	0.0360			
12/15/16 10:00	30.04	3.51	0.00000359	8309	0.0358			
12/15/16 11:00	29.99	5.02	0.00000358	8309	0.0392			
12/15/16 12:00	29.83	5.21	0.00000356	8309	0.0394			
12/15/16 13:00	30.13	5.32	0.00000360	8309	0.0401			
12/15/16 14:00	30.05	5.29	0.00000359	8309	0.0399			
12/15/16 15:00	30.15	5.34	0.00000360	8309	0.0402			
12/15/16 16:00	29.87	5.34	0.00000357	8309	0.0398			
12/15/16 17:00	29.96	5.41	0.00000358	8309	0.0401			
12/15/16 18:00	29.40	5.42	0.00000351	8309	0.0394			
12/15/16 19:00	27.38	4.53	0.00000327	8309	0.0347			
12/15/16 20:00	24.25	5.04	0.00000290	8309	0.0317			
12/15/16 21:00	24.34	5.05	0.00000291	8309	0.0319			
12/15/16 22:00	24.34	5.05	0.00000291	8309	0.0318			
12/15/16 23:00	24.37	5.07	0.00000291	8309	0.0319	0.0361	0.0316	
12/16/16 00:00	25.15	4.94	0.00000300	8309	0.0327			
12/16/16 01:00	25.82	4.43	0.00000308	8309	0.0325			
12/16/16 02:00	25.53	4.51	0.00000305	8309	0.0323			
12/16/16 03:00	25.40	4.48	0.00000303	8309	0.0321			
12/16/16 04:00	25.12	4.42	0.00000300	8309	0.0316			
12/16/16 05:00	25.28	4.45	0.00000302	8309	0.0319			
12/16/16 06:00	25.40	4.09	0.00000303	8309	0.0313			
12/16/16 07:00	25.08	4.05	0.00000299	8309	0.0309			
12/16/16 08:00	25.23	4.06	0.00000301	8309	0.0311			
12/16/16 09:00	25.69	4.16	0.00000307	8309	0.0318			
12/16/16 10:00	25.69	3.85	0.00000307	8309	0.0312			
12/16/16 11:00	25.61	4.17	0.00000306	8309	0.0317			
12/16/16 12:00	25.32	4.10	0.00000302	8309	0.0312			
12/16/16 13:00	25.45	4.13	0.00000304	8309	0.0315			
12/16/16 14:00	25.26	4.19	0.00000302	8309	0.0314			
12/16/16 15:00	25.11	4.23	0.00000300	8309	0.0312			
12/16/16 16:00	24.57	4.38	0.00000293	8309	0.0308			
12/16/16 17:00	24.21	4.41	0.00000289	8309	0.0304			
12/16/16 18:00	23.66	4.29	0.00000283	8309	0.0295			
12/16/16 19:00	23.63	4.06	0.00000282	8309	0.0291			
12/16/16 20:00	24.19	3.93	0.00000289	8309	0.0296			
12/16/16 21:00	24.09	4.08	0.00000288	8309	0.0297			
12/16/16 22:00	23.94	3.92	0.00000286	8309	0.0292			
12/16/16 23:00	23.63	4.07	0.00000282	8309	0.0291	0.0310	0.0315	
12/17/16 00:00	23.54	4.05	0.00000281	8309	0.0290			
12/17/16 01:00	23.46	4.06	0.00000280	8309	0.0289			
12/17/16 02:00	23.35	4.13	0.00000279	8309	0.0289			
12/17/16 03:00	22.89	4.40	0.00000273	8309	0.0288			
12/17/16 04:00	22.80	4.36	0.00000272	8309	0.0286			
12/17/16 05:00	22.62	4.41	0.00000270	8309	0.0285			
12/17/16 06:00	22.52	4.60	0.00000269	8309	0.0286			
12/17/16 07:00	22.74	4.61	0.00000272	8309	0.0289			
12/17/16 08:00	22.54	4.53	0.00000269	8309	0.0285			
12/17/16 09:00	23.13	4.36	0.00000276	8309	0.0290			
12/17/16 10:00	23.11	4.30	0.00000276	8309	0.0289			
12/17/16 11:00	23.08	4.22	0.00000276	8309	0.0287			
12/17/16 12:00	23.11	4.26	0.00000276	8309	0.0288			
12/17/16 13:00	23.08	4.23	0.00000276	8309	0.0287			
12/17/16 14:00	22.72	4.38	0.00000271	8309	0.0285			
12/17/16 15:00	22.54	4.24	0.00000269	8309	0.0281			
12/17/16 16:00	22.21	4.30	0.00000265	8309	0.0278			
12/17/16 17:00	21.89	4.24	0.00000261	8309	0.0272			
12/17/16 18:00	21.80	4.35	0.00000260	8309	0.0273			
12/17/16 19:00	22.03	4.24	0.00000263	8309	0.0274			
12/17/16 20:00	22.26	4.29	0.00000266	8309	0.0278			
12/17/16 21:00	22.88	4.36	0.00000273	8309	0.0287			
12/17/16 22:00	23.10	4.34	0.00000276	8309	0.0289			
12/17/16 23:00	22.80	4.53	0.00000272	8309	0.0289	0.0285	0.0313	
12/18/16 00:00	22.79	4.61	0.00000272	8309	0.0290			
12/18/16 01:00	22.66	4.63	0.00000271	8309	0.0289			
12/18/16 02:00	22.76	4.56	0.00000272	8309	0.0289			
12/18/16 03:00	23.26	4.64	0.00000278	8309	0.0297			
12/18/16 04:00	23.09	4.69	0.00000276	8309	0.0295			
12/18/16 05:00	22.75	4.73	0.00000272	8309	0.0292			
12/18/16 06:00	22.61	4.74	0.00000270	8309	0.0290			
12/18/16 07:00	24.07	4.38	0.00000287	8309	0.0302			
12/18/16 08:00	24.81	4.54	0.00000296	8309	0.0314			
12/18/16 09:00	25.38	4.56	0.00000303	8309	0.0322			
12/18/16 10:00	25.56	4.45	0.00000305	8309	0.0322			
12/18/16 11:00	25.45	4.26	0.00000304	8309	0.0317			
12/18/16 12:00	24.33	4.08	0.00000290	8309	0.0300			
12/18/16 13:00	24.59	3.92	0.00000294	8309	0.0300			
12/18/16 14:00	24.74	3.81	0.00000295	8309	0.0300			
12/18/16 15:00	24.50	4.01	0.00000292	8309	0.0301			
12/18/16 16:00	24.54	4.04	0.00000293	8309	0.0302			
12/18/16 17:00	24.60	4.28	0.00000294	8309	0.0307			
12/18/16 18:00	24.48	4.69	0.00000292	8309	0.0313			
12/18/16 19:00	24.10	4.94	0.00000288	8309	0.0313			

	Boiler B-5 (EPN 2-00, EQT 0030) - NOx							Comments
	NO _x (ppmd)	O ₂ (% vol)	C _d (lb/scf)	F _d (scf/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	
60.49b(g)(1)				60.49b(g)(7)	60.49b(g)(2)	60.49b(g)(3)	60.49b(g)(3)	60.49b(g)(4), 60.49b(g)(5), 60.49b(g)(6), 60.49b(g)(8), 60.49b(g)(9)
DATE/TIME	CEM	CEM	Method 19 Table 19-1	Method 19	Method 19 Eq. 19-1	Daily Average	30-DRA Limit = 0.1	
12/18/16 20:00	24.39	4.72	0.00000291	8309	0.0313			
12/18/16 21:00	24.41	4.93	0.00000292	8309	0.0317			
12/18/16 22:00	26.10	4.61	0.00000312	8309	0.0332			
12/18/16 23:00	26.27	4.69	0.00000314	8309	0.0336	0.0306	0.0312	
12/19/16 00:00	26.61	4.79	0.00000318	8309	0.0343			
12/19/16 01:00	25.64	4.88	0.00000306	8309	0.0332			
12/19/16 02:00	24.48	4.85	0.00000292	8309	0.0316			
12/19/16 03:00	24.76	4.93	0.00000296	8309	0.0322			
12/19/16 04:00	24.82	4.86	0.00000296	8309	0.0321			
12/19/16 05:00	25.51	4.55	0.00000305	8309	0.0323			
12/19/16 06:00	25.11	4.85	0.00000300	8309	0.0324			
12/19/16 07:00	26.16	4.33	0.00000312	8309	0.0327			
12/19/16 08:00	25.72	4.62	0.00000307	8309	0.0328			
12/19/16 09:00	25.35	4.72	0.00000303	8309	0.0325			
12/19/16 10:00	25.32	4.68	0.00000302	8309	0.0324			
12/19/16 11:00	25.46	4.68	0.00000304	8309	0.0325			
12/19/16 12:00	24.86	4.61	0.00000297	8309	0.0316			
12/19/16 13:00	25.20	4.69	0.00000301	8309	0.0322			
12/19/16 14:00	25.43	4.74	0.00000304	8309	0.0326			
12/19/16 15:00	25.12	4.83	0.00000300	8309	0.0324			
12/19/16 16:00	25.60	4.77	0.00000306	8309	0.0329			
12/19/16 17:00	25.63	4.78	0.00000306	8309	0.0330			
12/19/16 18:00	25.09	4.80	0.00000300	8309	0.0323			
12/19/16 19:00	25.72	4.37	0.00000307	8309	0.0323			
12/19/16 20:00	26.08	4.26	0.00000311	8309	0.0325			
12/19/16 21:00	26.52	3.83	0.00000317	8309	0.0322			
12/19/16 22:00	28.43	3.01	0.00000339	8309	0.0330			
12/19/16 23:00	28.77	3.19	0.00000344	8309	0.0337	0.0326	0.0314	
12/20/16 00:00	28.08	3.25	0.00000335	8309	0.0330			
12/20/16 01:00	27.92	3.20	0.00000333	8309	0.0327			
12/20/16 02:00	28.06	3.21	0.00000335	8309	0.0329			
12/20/16 03:00	28.30	3.21	0.00000338	8309	0.0332			
12/20/16 04:00	28.05	3.19	0.00000335	8309	0.0328			
12/20/16 05:00	27.87	3.22	0.00000333	8309	0.0327			
12/20/16 06:00	27.99	3.20	0.00000334	8309	0.0328			
12/20/16 07:00	27.77	3.18	0.00000332	8309	0.0325			
12/20/16 08:00	28.13	3.25	0.00000336	8309	0.0331			
12/20/16 09:00	28.22	3.25	0.00000337	8309	0.0331			
12/20/16 10:00	27.69	3.23	0.00000331	8309	0.0325			
12/20/16 11:00	27.57	3.33	0.00000329	8309	0.0325			
12/20/16 12:00	27.37	3.40	0.00000327	8309	0.0324			
12/20/16 13:00	27.13	3.39	0.00000324	8309	0.0321			
12/20/16 14:00	26.43	3.65	0.00000316	8309	0.0318			
12/20/16 15:00	26.86	3.71	0.00000321	8309	0.0324			
12/20/16 16:00	27.51	3.25	0.00000328	8309	0.0323			
12/20/16 17:00	27.06	3.24	0.00000323	8309	0.0318			
12/20/16 18:00	26.85	3.18	0.00000321	8309	0.0314			
12/20/16 19:00	27.08	3.42	0.00000323	8309	0.0321			
12/20/16 20:00	27.23	3.31	0.00000325	8309	0.0321			
12/20/16 21:00	27.05	3.21	0.00000323	8309	0.0317			
12/20/16 22:00	27.10	3.23	0.00000324	8309	0.0318			
12/20/16 23:00	27.15	3.04	0.00000324	8309	0.0315	0.0324	0.0314	
12/21/16 00:00	26.14	3.17	0.00000312	8309	0.0306			
12/21/16 01:00	27.08	3.10	0.00000323	8309	0.0316			
12/21/16 02:00	27.21	3.07	0.00000325	8309	0.0316			
12/21/16 03:00	27.09	3.10	0.00000323	8309	0.0316			
12/21/16 04:00	27.24	3.11	0.00000325	8309	0.0318			
12/21/16 05:00	26.64	3.56	0.00000318	8309	0.0319			
12/21/16 06:00	25.20	4.46	0.00000301	8309	0.0318			
12/21/16 07:00	25.79	4.27	0.00000308	8309	0.0322			
12/21/16 08:00	26.19	3.78	0.00000313	8309	0.0317			
12/21/16 09:00	26.94	3.48	0.00000322	8309	0.0321			
12/21/16 10:00	26.93	3.47	0.00000322	8309	0.0320			
12/21/16 11:00	27.46	3.17	0.00000328	8309	0.0321			
12/21/16 12:00	27.05	3.40	0.00000323	8309	0.0321			
12/21/16 13:00	26.84	3.40	0.00000320	8309	0.0318			
12/21/16 14:00	27.17	3.23	0.00000324	8309	0.0319			
12/21/16 15:00	26.82	3.60	0.00000320	8309	0.0321			
12/21/16 16:00	27.06	3.18	0.00000323	8309	0.0317			
12/21/16 17:00	27.25	3.16	0.00000325	8309	0.0318			
12/21/16 18:00	27.05	3.19	0.00000323	8309	0.0317			
12/21/16 19:00	26.93	3.25	0.00000321	8309	0.0316			
12/21/16 20:00	26.57	3.36	0.00000317	8309	0.0314			
12/21/16 21:00	26.59	3.29	0.00000317	8309	0.0313			
12/21/16 22:00	25.85	3.62	0.00000309	8309	0.0310			
12/21/16 23:00	25.64	3.69	0.00000306	8309	0.0309	0.0317	0.0314	
12/22/16 00:00	25.51	3.86	0.00000305	8309	0.0310			
12/22/16 01:00	25.64	3.98	0.00000306	8309	0.0314			
12/22/16 02:00	26.53	3.37	0.00000317	8309	0.0314			
12/22/16 03:00	26.76	3.96	0.00000320	8309	0.0328			
12/22/16 04:00	27.12	3.84	0.00000324	8287	0.0329			
12/22/16 05:00	27.23	3.69	0.00000325	8287	0.0327			
12/22/16 06:00	27.48	4.01	0.00000328	8287	0.0336			
12/22/16 07:00	28.33	4.14	0.00000338	8287	0.0350			
12/22/16 08:00	29.33	5.16	0.00000350	8287	0.0385			
12/22/16 09:00	29.24	4.98	0.00000349	8287	0.0380			

	Boiler B-5 (EPN 2-00, EQT 0030) - NOx							
	NO _x (ppmd)	O ₂ (% vol)	C _d (lb/scf)	F _d (scf/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	Comments
60.49b(g)(1)				60.49b(g)(7)	60.49b(g)(2)	60.49b(g)(3)	60.49b(g)(3)	60.49b(g)(4), 60.49b(g)(5), 60.49b(g)(6), 60.49b(g)(8), 60.49b(g)(9)
DATE/TIME	CEM	CEM	Method 19 Table 19-1	Method 19	Method 19 Eq. 19-1	Daily Average	30-DRA Limit = 0.1	
12/22/16 10:00	28.30	5.00	0.00000338	8287	0.0368			
12/22/16 11:00	30.21	4.86	0.00000361	8287	0.0389			
12/22/16 12:00	29.94	4.82	0.00000357	8287	0.0385			
12/22/16 13:00	29.41	4.27	0.00000351	8287	0.0366			
12/22/16 14:00	30.29	4.17	0.00000362	8287	0.0374			
12/22/16 15:00	30.11	4.35	0.00000360	8287	0.0376			
12/22/16 16:00	30.09	4.24	0.00000359	8287	0.0374			
12/22/16 17:00	30.02	4.38	0.00000358	8287	0.0376			
12/22/16 18:00	30.07	4.27	0.00000359	8287	0.0374			
12/22/16 19:00	29.96	4.64	0.00000358	8287	0.0381			
12/22/16 20:00	29.98	4.66	0.00000358	8287	0.0382			
12/22/16 21:00	30.01	4.68	0.00000358	8287	0.0383			
12/22/16 22:00	30.00	4.32	0.00000358	8287	0.0374			
12/22/16 23:00	29.99	4.68	0.00000358	8287	0.0382	0.0361	0.0315	
12/23/16 00:00	29.98	4.35	0.00000358	8287	0.0374			
12/23/16 01:00	29.97	5.07	0.00000358	8287	0.0391			
12/23/16 02:00	30.01	4.70	0.00000358	8287	0.0383			
12/23/16 03:00	30.09	4.44	0.00000359	8287	0.0378			
12/23/16 04:00	29.67	4.85	0.00000354	8287	0.0382			
12/23/16 05:00	29.96	4.59	0.00000358	8287	0.0380			
12/23/16 06:00	30.58	3.91	0.00000365	8287	0.0372			
12/23/16 07:00	29.77	3.49	0.00000355	8287	0.0354			
12/23/16 08:00	29.87	3.38	0.00000357	8287	0.0353			
12/23/16 09:00	30.01	3.33	0.00000358	8287	0.0353			
12/23/16 10:00	29.93	3.44	0.00000357	8287	0.0354			
12/23/16 11:00	29.90	3.44	0.00000357	8287	0.0354			
12/23/16 12:00	30.04	3.32	0.00000359	8287	0.0353			
12/23/16 13:00	29.94	3.30	0.00000358	8287	0.0352			
12/23/16 14:00	30.15	3.32	0.00000360	8287	0.0355			
12/23/16 15:00	29.78	3.30	0.00000356	8287	0.0350			
12/23/16 16:00	29.92	3.32	0.00000357	8287	0.0352			
12/23/16 17:00	30.39	3.29	0.00000363	8287	0.0357			
12/23/16 18:00	30.00	3.87	0.00000358	8287	0.0364			
12/23/16 19:00	29.91	3.63	0.00000357	8287	0.0358			
12/23/16 20:00	29.97	3.67	0.00000358	8287	0.0360			
12/23/16 21:00	30.08	4.21	0.00000359	8287	0.0373			
12/23/16 22:00	30.00	3.95	0.00000358	8287	0.0366			
12/23/16 23:00	30.02	3.86	0.00000358	8287	0.0364	0.0364	0.0317	
12/24/16 00:00	30.00	4.02	0.00000358	8287	0.0367			
12/24/16 01:00	29.96	3.78	0.00000358	8287	0.0362			
12/24/16 02:00	30.12	4.14	0.00000360	8287	0.0372			
12/24/16 03:00	29.99	4.26	0.00000358	8287	0.0373			
12/24/16 04:00	29.98	4.32	0.00000358	8287	0.0374			
12/24/16 05:00	30.11	4.37	0.00000359	8287	0.0377			
12/24/16 06:00	30.09	4.26	0.00000359	8287	0.0374			
12/24/16 07:00	30.00	4.30	0.00000358	8287	0.0374			
12/24/16 08:00	29.76	4.29	0.00000355	8287	0.0370			
12/24/16 09:00	30.00	4.22	0.00000358	8287	0.0372			
12/24/16 10:00	30.13	4.04	0.00000360	8287	0.0370			
12/24/16 11:00	30.09	4.16	0.00000359	8287	0.0372			
12/24/16 12:00	30.00	4.27	0.00000358	8287	0.0373			
12/24/16 13:00	30.00	4.22	0.00000358	8287	0.0372			
12/24/16 14:00	30.05	4.13	0.00000359	8287	0.0371			
12/24/16 15:00	29.98	4.18	0.00000358	8287	0.0371			
12/24/16 16:00	30.05	4.18	0.00000359	8287	0.0372			
12/24/16 17:00	30.03	4.41	0.00000359	8287	0.0376			
12/24/16 18:00	30.75	4.45	0.00000367	8287	0.0387			
12/24/16 19:00	31.25	3.50	0.00000373	8287	0.0371			
12/24/16 20:00	30.57	3.73	0.00000365	8287	0.0368			
12/24/16 21:00	29.82	3.74	0.00000356	8287	0.0359			
12/24/16 22:00	30.14	3.25	0.00000360	8287	0.0353			
12/24/16 23:00	30.07	3.29	0.00000359	8287	0.0353	0.0370	0.0319	
12/25/16 00:00	29.95	3.26	0.00000358	8287	0.0351			
12/25/16 01:00	30.00	3.26	0.00000358	8287	0.0352			
12/25/16 02:00	29.94	3.22	0.00000358	8287	0.0350			
12/25/16 03:00	29.98	3.22	0.00000358	8287	0.0351			
12/25/16 04:00	30.06	3.24	0.00000359	8287	0.0352			
12/25/16 05:00	29.92	3.23	0.00000357	8287	0.0350			
12/25/16 06:00	29.82	3.25	0.00000356	8287	0.0349			
12/25/16 07:00	29.99	3.19	0.00000358	8287	0.0350			
12/25/16 08:00	30.08	3.25	0.00000359	8287	0.0352			
12/25/16 09:00	29.93	4.11	0.00000357	8287	0.0369			
12/25/16 10:00	29.98	4.35	0.00000358	8287	0.0375			
12/25/16 11:00	31.72	3.29	0.00000379	8287	0.0372			
12/25/16 12:00	32.23	3.17	0.00000385	8287	0.0376			
12/25/16 13:00	32.23	3.04	0.00000385	8287	0.0373			
12/25/16 14:00	31.92	3.41	0.00000381	8287	0.0377			
12/25/16 15:00	32.12	3.08	0.00000384	8287	0.0373			
12/25/16 16:00	32.26	2.81	0.00000385	8287	0.0369			
12/25/16 17:00	31.93	3.08	0.00000381	8287	0.0370			
12/25/16 18:00	30.99	3.09	0.00000370	8287	0.0360			
12/25/16 19:00	29.79	3.10	0.00000356	8287	0.0346			
12/25/16 20:00	29.94	3.04	0.00000358	8287	0.0347			
12/25/16 21:00	29.88	3.07	0.00000357	8287	0.0346			
12/25/16 22:00	29.51	3.74	0.00000352	8287	0.0356			
12/25/16 23:00	30.38	3.69	0.00000363	8287	0.0365	0.0360	0.0320	

	Boiler B-5 (EPN 2-00, EQT 0030) - NOx							
	NO _x (ppmd)	O ₂ (% vol)	C _d (lb/scf)	F _d (scf/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	Comments
60.49b(g)(1)				60.49b(g)(7)	60.49b(g)(2)	60.49b(g)(3)	60.49b(g)(3)	60.49b(g)(4), 60.49b(g)(5), 60.49b(g)(6), 60.49b(g)(8), 60.49b(g)(9)
DATE/TIME	CEM	CEM	Method 19 Table 19-1	Method 19	Method 19 Eq. 19-1	Daily Average	30-DRA Limit = 0.1	
12/26/16 00:00	29.78	3.94	0.00000356	8287	0.0363			
12/26/16 01:00	30.49	4.21	0.00000364	8287	0.0378			
12/26/16 02:00	29.84	4.27	0.00000356	8287	0.0371			
12/26/16 03:00	30.02	4.27	0.00000358	8287	0.0373			
12/26/16 04:00	30.27	4.25	0.00000361	8287	0.0376			
12/26/16 05:00	29.97	4.15	0.00000358	8287	0.0370			
12/26/16 06:00	30.03	4.06	0.00000359	8287	0.0369			
12/26/16 07:00	29.33	4.10	0.00000350	8287	0.0361			
12/26/16 08:00	30.46	3.80	0.00000364	8287	0.0368			
12/26/16 09:00	29.76	3.87	0.00000355	8287	0.0361			
12/26/16 10:00	29.83	3.96	0.00000356	8287	0.0364			
12/26/16 11:00	30.59	3.98	0.00000365	8287	0.0374			
12/26/16 12:00	29.38	4.03	0.00000351	8287	0.0360			
12/26/16 13:00	30.40	4.01	0.00000363	8287	0.0372			
12/26/16 14:00	29.71	3.95	0.00000355	8287	0.0362			
12/26/16 15:00	29.90	3.67	0.00000357	8287	0.0359			
12/26/16 16:00	30.03	3.69	0.00000359	8287	0.0361			
12/26/16 17:00	29.75	3.65	0.00000355	8287	0.0357			
12/26/16 18:00	30.62	3.69	0.00000366	8287	0.0368			
12/26/16 19:00	29.62	3.68	0.00000354	8287	0.0356			
12/26/16 20:00	30.33	3.68	0.00000362	8287	0.0364			
12/26/16 21:00	29.85	3.66	0.00000356	8287	0.0358			
12/26/16 22:00	29.97	3.61	0.00000358	8287	0.0358			
12/26/16 23:00	29.93	3.53	0.00000357	8287	0.0356	0.0365	0.0321	
12/27/16 00:00	29.97	3.54	0.00000358	8287	0.0357			
12/27/16 01:00	30.08	3.57	0.00000359	8287	0.0359			
12/27/16 02:00	29.91	3.50	0.00000357	8287	0.0356			
12/27/16 03:00	30.07	3.49	0.00000359	8287	0.0357			
12/27/16 04:00	30.07	3.52	0.00000359	8287	0.0358			
12/27/16 05:00	30.06	3.47	0.00000359	8287	0.0357			
12/27/16 06:00	29.82	3.52	0.00000356	8287	0.0355			
12/27/16 07:00	30.16	3.40	0.00000360	8287	0.0356			
12/27/16 08:00	29.98	3.43	0.00000358	8287	0.0355			
12/27/16 09:00	30.01	4.19	0.00000358	8287	0.0371			
12/27/16 10:00	29.96	5.01	0.00000358	8287	0.0390			
12/27/16 11:00	30.06	5.48	0.00000359	8287	0.0403			
12/27/16 12:00	29.94	5.48	0.00000358	8287	0.0402			
12/27/16 13:00	30.02	5.46	0.00000358	8287	0.0402			
12/27/16 14:00	30.04	5.47	0.00000359	8287	0.0403			
12/27/16 15:00	29.93	5.49	0.00000357	8287	0.0402			
12/27/16 16:00	30.05	5.50	0.00000359	8287	0.0404			
12/27/16 17:00	29.91	5.48	0.00000357	8287	0.0401			
12/27/16 18:00	29.96	5.49	0.00000358	8287	0.0402			
12/27/16 19:00	29.95	5.47	0.00000358	8287	0.0401			
12/27/16 20:00	30.05	5.48	0.00000359	8287	0.0403			
12/27/16 21:00	30.02	5.46	0.00000358	8287	0.0402			
12/27/16 22:00	30.03	5.47	0.00000359	8287	0.0402			
12/27/16 23:00	30.01	5.44	0.00000358	8287	0.0402	0.0383	0.0322	
12/28/16 00:00	30.03	5.46	0.00000359	8287	0.0402			
12/28/16 01:00	29.92	5.48	0.00000357	8287	0.0401			
12/28/16 02:00	29.97	5.46	0.00000358	8287	0.0401			
12/28/16 03:00	30.03	5.47	0.00000359	8287	0.0402			
12/28/16 04:00	29.96	5.45	0.00000358	8287	0.0401			
12/28/16 05:00	30.01	5.47	0.00000358	8287	0.0402			
12/28/16 06:00	30.14	5.44	0.00000360	8287	0.0403			
12/28/16 07:00	30.06	5.47	0.00000359	8287	0.0403			
12/28/16 08:00	30.21	5.46	0.00000361	8287	0.0405			
12/28/16 09:00	30.12	5.14	0.00000360	8287	0.0395			
12/28/16 10:00	30.08	5.34	0.00000359	8287	0.0400			
12/28/16 11:00	30.09	5.36	0.00000359	8287	0.0400			
12/28/16 12:00	30.05	5.39	0.00000359	8287	0.0401			
12/28/16 13:00	29.93	5.40	0.00000357	8287	0.0399			
12/28/16 14:00	30.00	5.38	0.00000358	8287	0.0400			
12/28/16 15:00	29.98	5.39	0.00000358	8287	0.0400			
12/28/16 16:00	29.95	5.37	0.00000358	8287	0.0399			
12/28/16 17:00	29.97	5.35	0.00000358	8287	0.0399			
12/28/16 18:00	29.94	5.35	0.00000358	8287	0.0398			
12/28/16 19:00	29.98	5.34	0.00000358	8287	0.0398			
12/28/16 20:00	29.87	5.33	0.00000357	8287	0.0397			
12/28/16 21:00	29.94	5.31	0.00000358	8287	0.0397			
12/28/16 22:00	30.00	5.30	0.00000358	8287	0.0398			
12/28/16 23:00	30.00	5.29	0.00000358	8287	0.0397	0.0400	0.0324	
12/29/16 00:00	29.98	5.30	0.00000358	8287	0.0397			
12/29/16 01:00	30.04	5.30	0.00000359	8287	0.0398			
12/29/16 02:00	30.00	5.30	0.00000358	8287	0.0398			
12/29/16 03:00	30.01	5.30	0.00000358	8287	0.0398			
12/29/16 04:00	29.99	5.30	0.00000358	8186	0.0393			
12/29/16 05:00	29.99	5.30	0.00000358	8186	0.0393			
12/29/16 06:00	29.96	5.33	0.00000358	8186	0.0393			
12/29/16 07:00	30.00	5.32	0.00000358	8186	0.0393			
12/29/16 08:00	29.88	5.30	0.00000357	8186	0.0391			
12/29/16 09:00	30.30	5.16	0.00000362	8186	0.0393			
12/29/16 10:00	30.12	5.21	0.00000360	8186	0.0392			
12/29/16 11:00	30.40	5.18	0.00000363	8186	0.0395			
12/29/16 12:00	30.71	5.19	0.00000367	8186	0.0399			
12/29/16 13:00	31.06	5.21	0.00000371	8186	0.0404			

	Boiler B-5 (EPN 2-00, EQT 0030) - NOx							Comments
	NO _x (ppmd)	O ₂ (% vol)	C _d (lb/scf)	F _d (scf/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	
60.49b(g)(1)				60.49b(g)(7)	60.49b(g)(2)	60.49b(g)(3)	60.49b(g)(3)	60.49b(g)(4), 60.49b(g)(5), 60.49b(g)(6), 60.49b(g)(8), 60.49b(g)(9)
DATE/TIME	CEM	CEM	Method 19 Table 19-1	Method 19	Method 19 Eq. 19-1	Daily Average	30-DRA Limit = 0.1	
12/29/16 14:00	31.35	5.17	0.00000374	8186	0.0407			
12/29/16 15:00	31.49	5.17	0.00000376	8186	0.0409			
12/29/16 16:00	31.23	5.21	0.00000373	8186	0.0407			
12/29/16 17:00	31.17	5.16	0.00000372	8186	0.0404			
12/29/16 18:00	31.08	5.18	0.00000371	8186	0.0404			
12/29/16 19:00	31.15	5.14	0.00000372	8186	0.0404			
12/29/16 20:00	31.13	5.17	0.00000372	8186	0.0404			
12/29/16 21:00	31.52	5.13	0.00000376	8186	0.0408			
12/29/16 22:00	31.48	5.14	0.00000376	8186	0.0408			
12/29/16 23:00	30.05	5.18	0.00000359	8186	0.0390	0.0399	0.0327	
12/30/16 00:00	29.99	5.17	0.00000358	8186	0.0389			
12/30/16 01:00	29.78	5.16	0.00000356	8186	0.0386			
12/30/16 02:00	30.07	5.12	0.00000359	8186	0.0389			
12/30/16 03:00	30.02	5.12	0.00000358	8186	0.0389			
12/30/16 04:00	29.91	5.14	0.00000357	8186	0.0388			
12/30/16 05:00	29.98	5.14	0.00000358	8186	0.0389			
12/30/16 06:00	30.00	5.20	0.00000358	8186	0.0390			
12/30/16 07:00	30.04	5.12	0.00000359	8186	0.0389			
12/30/16 08:00	30.03	5.13	0.00000359	8186	0.0389			
12/30/16 09:00	30.06	5.11	0.00000359	8186	0.0389			
12/30/16 10:00	30.11	5.18	0.00000360	8186	0.0391			
12/30/16 11:00	29.99	5.19	0.00000358	8186	0.0390			
12/30/16 12:00	30.02	5.20	0.00000358	8186	0.0391			
12/30/16 13:00	29.96	5.19	0.00000358	8186	0.0389			
12/30/16 14:00	29.96	5.19	0.00000358	8186	0.0389			
12/30/16 15:00	29.99	5.18	0.00000358	8186	0.0390			
12/30/16 16:00	30.06	5.21	0.00000359	8186	0.0391			
12/30/16 17:00	29.97	5.22	0.00000358	8186	0.0390			
12/30/16 18:00	29.84	5.20	0.00000356	8186	0.0388			
12/30/16 19:00	30.03	5.23	0.00000359	8186	0.0391			
12/30/16 20:00	29.96	5.20	0.00000358	8186	0.0390			
12/30/16 21:00	29.93	5.21	0.00000357	8186	0.0390			
12/30/16 22:00	30.08	5.22	0.00000359	8186	0.0392			
12/30/16 23:00	29.98	5.22	0.00000358	8186	0.0391	0.0390	0.0328	
12/31/16 00:00	29.92	5.21	0.00000357	8186	0.0390			
12/31/16 01:00	29.94	5.22	0.00000357	8186	0.0390			
12/31/16 02:00	29.98	5.22	0.00000358	8186	0.0391			
12/31/16 03:00	29.81	5.21	0.00000356	8186	0.0388			
12/31/16 04:00	29.94	5.21	0.00000357	8186	0.0390			
12/31/16 05:00	29.97	5.24	0.00000358	8186	0.0391			
12/31/16 06:00	29.84	5.29	0.00000356	8186	0.0391			
12/31/16 07:00	29.98	5.27	0.00000358	8186	0.0392			
12/31/16 08:00	29.89	5.28	0.00000357	8186	0.0391			
12/31/16 09:00	29.83	5.29	0.00000356	8186	0.0390			
12/31/16 10:00	30.00	5.30	0.00000358	8186	0.0393			
12/31/16 11:00	30.05	5.30	0.00000359	8186	0.0393			
12/31/16 12:00	30.32	5.33	0.00000362	8186	0.0398			
12/31/16 13:00	29.79	5.33	0.00000356	8186	0.0391			
12/31/16 14:00	30.26	5.32	0.00000361	8186	0.0397			
12/31/16 15:00	28.84	5.34	0.00000344	8186	0.0379			
12/31/16 16:00	30.30	5.33	0.00000362	8186	0.0398			
12/31/16 17:00	30.31	5.32	0.00000362	8186	0.0398			
12/31/16 18:00	29.65	5.33	0.00000354	8186	0.0389			
12/31/16 19:00	30.36	5.32	0.00000363	8186	0.0398			
12/31/16 20:00	30.04	5.30	0.00000359	8186	0.0393			
12/31/16 21:00	29.88	5.36	0.00000357	8186	0.0393			
12/31/16 22:00	29.18	5.35	0.00000348	8186	0.0383			
12/31/16 23:00	30.62	5.05	0.00000366	8186	0.0395	0.0392	0.0330	

60.49b(g)(10)	Boiler B-6 (EPN 3-00, EQT 0048) NOx							Boiler B-6 (EPN 3-00, EQT 0048) O2						
Date	Zero Calibration			Span Calibration				Zero Calibration			Span Calibration			
	Drift Readings		Calibration Gas				Drift Readings		Calibration Gas				Drift Readings	
	Std. (ppm)	Actual (ppm)	Delta 5	Cylinder #	Std. (ppm)	Actual (ppm)	Delta 5	Std. (%)	Actual (%)	Delta 1	Cylinder #	Std. (%)	Actual (%)	Delta 1
10/1/16	0	4.6	4.6	CC310372	75.5	78.9	3.5	0	-0.1	-0.1	66786	19.0	19.1	0.1
10/2/16	0	5.4	5.4	CC310372	75.5	79.2	3.7	0	-0.1	-0.1	66786	19.0	19.1	0.1
	0	-0.5	-0.5	CC310372	75.5	74.6	-0.9	0	-0.2	-0.2	66786	19.0	19.1	0.1
10/3/16	0	-0.8	-0.8	CC310372	75.5	75.7	0.3	0	0.0	0.0	66786	19.0	19.1	0.1
10/4/16	0	-0.4	-0.4	CC310372	75.5	75.7	0.2	0	0.0	0.0	66786	19.0	19.1	0.1
10/5/16	0	-0.4	-0.4	CC310372	75.5	76.3	0.8	0	0.0	0.0	66786	19.0	19.1	0.1
10/6/16	0	-0.8	-0.8	CC310372	75.5	76.1	0.6	0	0.0	0.0	66786	19.0	19.1	0.1
10/7/16	0	-0.2	-0.2	CC310372	75.5	76.5	1.1	0	0.0	0.0	66786	19.0	19.1	0.1
10/8/16	0	-0.2	-0.2	CC423425	74.5	75.1	0.6	0	0.0	0.0	66786	19.0	19.1	0.1
10/9/16	0	0.2	0.2	CC423425	74.5	74.9	0.4	0	0.0	0.0	66786	19.0	19.1	0.1
10/10/16	0	0.0	0.0	CC423425	74.5	75.3	0.8	0	0.0	0.0	66786	19.0	19.1	0.1
10/11/16	0	0.7	0.7	CC423425	74.5	75.2	0.6	0	0.0	0.0	66786	19.0	19.1	0.1
10/12/16	0	0.9	0.9	CC423425	74.5	75.4	0.8	0	0.0	0.0	66786	19.0	19.1	0.1
10/13/16	0	0.8	0.8	CC423425	74.5	75.5	1.0	0	0.0	0.0	66786	19.0	19.1	0.1
10/14/16	0	0.5	0.5	CC423425	74.5	76.1	1.5	0	0.0	0.0	66786	19.0	19.1	0.1
10/15/16	0	1.2	1.2	CC423425	74.5	75.8	1.3	0	0.0	0.0	66786	19.0	19.1	0.1
10/16/16	0	2.0	2.0	CC423425	74.5	76.3	1.8	0	0.0	0.0	66786	19.0	19.1	0.1
10/17/16	0	1.7	1.7	CC423425	74.5	76.7	2.1	0	0.0	0.0	66786	19.0	19.1	0.1
10/18/16	0	2.1	2.1	CC423425	74.5	76.3	1.8	0	0.0	0.0	66786	19.0	19.1	0.1
10/19/16	0	2.2	2.2	CC423425	74.5	76.7	2.1	0	0.0	0.0	66786	19.0	19.1	0.1
10/20/16	0	2.2	2.2	CC423425	74.5	76.4	1.9	0	0.0	0.0	66786	19.0	19.1	0.1
10/21/16	0	3.3	3.3	CC423425	74.5	76.6	2.1	0	0.0	0.0	66786	19.0	19.1	0.1
10/22/16	0	3.2	3.2	CC423425	74.5	76.5	2.0	0	0.0	0.0	66786	19.0	19.1	0.1
10/23/16	0	3.6	3.6	CC423425	74.5	76.6	2.1	0	0.0	0.0	66786	19.0	19.1	0.1
10/24/16	0	3.9	3.9	CC423425	74.5	77.0	2.5	0	0.0	0.0	66786	19.0	19.1	0.1
10/25/16	0	3.9	3.9	CC423425	74.5	77.3	2.8	0	0.0	0.0	66786	19.0	19.1	0.1
10/26/16	0	4.6	4.6	CC423425	74.5	77.4	2.9	0	0.0	0.0	66786	19.0	19.1	0.1
10/27/16	0	-0.2	-0.2	CC423425	74.5	75.6	1.0	0	0.0	0.0	66786	19.0	18.9	-0.1
10/28/16	0	0.4	0.4	CC423425	74.5	75.9	1.3	0	0.0	0.0	66786	19.0	18.9	-0.1
10/29/16	0	0.5	0.5	CC423425	74.5	75.7	1.2	0	0.0	0.0	66786	19.0	18.9	-0.1
10/30/16	0	0.5	0.5	CC423425	74.5	76.1	1.6	0	0.0	0.0	66786	19.0	18.9	-0.1
10/31/16	0	1.2	1.2	CC423425	74.5	76.4	1.8	0	0.0	0.0	66786	19.0	18.9	-0.1
11/1/16	0	1.7	1.7	CC423425	74.5	77.0	2.5	0	0.0	0.0	66786	19.0	18.9	-0.1
11/2/16	0	2.5	2.5	CC423425	74.5	77.4	2.9	0	0.0	0.0	66786	19.0	18.9	-0.1
11/3/16	0	3.0	3.0	CC423425	74.5	77.4	2.9	0	0.0	0.0	66786	19.0	18.9	-0.1
11/4/16	0	2.8	2.8	CC423425	74.5	77.1	2.6	0	0.0	0.0	66786	19.0	18.9	-0.1
11/5/16	0	3.4	3.4	CC423425	74.5	77.7	3.2	0	0.0	0.0	66786	19.0	18.9	-0.1
11/6/16	0	4.5	4.5	CC423425	74.5	77.8	3.3	0	0.0	0.0	66786	19.0	18.9	-0.1
11/7/16	0	4.7	4.7	CC423425	74.5	78.3	3.7	0	0.0	0.0	66786	19.0	18.9	-0.1
11/8/16	0	5.4	5.4	CC423425	74.5	79.0	4.5	0	0.0	0.0	66786	19.0	18.9	-0.1
	0	-0.9	-0.9	CC423425	74.5	74.9	0.4							
11/9/16	0	-0.1	-0.1	CC423425	74.5	76.1	1.6	0	0.0	0.0	66786	19.0	18.9	-0.1
11/10/16	0	0.9	0.9	CC423425	74.5	76.5	2.0	0	0.0	0.0	66786	19.0	18.9	-0.1
11/11/16	0	0.8	0.8	CC423425	74.5	77.0	2.5	0	0.0	0.0	66786	19.0	18.9	-0.1
11/12/16	0	2.1	2.1	CC423425	74.5	77.4	2.9	0	0.0	0.0	66786	19.0	18.9	-0.1
11/13/16	0	2.8	2.8	CC423425	74.5	77.1	2.6	0	0.0	0.0	66786	19.0	18.9	-0.1
11/14/16	0	3.5	3.5	CC423425	74.5	77.7	3.2	0	0.0	0.0	66786	19.0	18.9	-0.1
11/15/16	0	4.5	4.5	CC423425	74.5	78.6	4.1	0	0.0	0.0	66786	19.0	18.9	-0.1
11/16/16	0	0.0	0.0	CC423425	74.5	76.1	1.6	0	0.0	0.0	66786	19.0	18.9	-0.1
11/17/16	0	-0.1	-0.1	CC423425	74.5	74.2	-0.3	0	0.0	0.0	66786	19.0	18.9	-0.1

60.49b(g)(10)	Boiler B-6 (EPN 3-00, EQT 0048) NOx							Boiler B-6 (EPN 3-00, EQT 0048) O2						
Date	Zero Calibration			Span Calibration				Zero Calibration			Span Calibration			
	Drift Readings		Delta 5	Calibration Gas		Drift Readings		Drift Readings		Delta 1	Calibration Gas		Drift Readings	
	Std. (ppm)	Actual (ppm)		Cylinder #	Std. (ppm)	Actual (ppm)	Delta 5	Std. (%)	Actual (%)		Cylinder #	Std. (%)	Actual (%)	Delta 1
11/18/16	0	0.0	0.0	CC423425	74.5	74.2	-0.3	0	0.0	0.0	66786	19.0	18.9	-0.1
11/19/16	0	0.1	0.1	CC423425	74.5	74.1	-0.5	0	0.0	0.0	66786	19.0	18.9	-0.1
11/20/16	0	0.1	0.1	CC423425	74.5	74.0	-0.5	0	0.0	0.0	66786	19.0	18.9	-0.1
11/21/16	0	0.1	0.1	CC423425	74.5	73.9	-0.6	0	0.0	0.0	66786	19.0	18.9	-0.1
11/22/16	0	0.1	0.1	CC423425	74.5	73.8	-0.7	0	0.0	0.0	66786	19.0	18.9	-0.1
11/23/16	0	0.2	0.2	CC423425	74.5	73.7	-0.8	0	0.0	0.0	66786	19.0	18.9	-0.1
11/24/16	0	0.1	0.1	CC423425	74.5	73.7	-0.8	0	0.0	0.0	66786	19.0	18.9	-0.1
11/25/16	0	0.1	0.1	CC423425	74.5	73.6	-1.0	0	0.0	0.0	66786	19.0	18.9	-0.1
11/26/16	0	0.2	0.2	CC423425	74.5	73.6	-0.9	0	0.0	0.0	66786	19.0	18.9	-0.1
11/27/16	0	0.2	0.2	CC423425	74.5	73.5	-1.0	0	0.0	0.0	66786	19.0	18.9	-0.1
11/28/16	0	0.1	0.1	CC423425	74.5	73.5	-1.0	0	0.0	0.0	66786	19.0	18.9	-0.1
11/29/16	0	0.0	0.0	CC423425	74.5	73.4	-1.1	0	0.0	0.0	66786	19.0	18.9	-0.1
11/30/16	0	0.1	0.1	CC423425	74.5	73.4	-1.1	0	0.0	0.0	66786	19.0	18.9	-0.1
12/1/16	0	0.1	0.1	CC423425	74.5	73.2	-1.3	0	0.0	0.0	66786	19.0	18.9	-0.1
12/2/16	0	0.1	0.1	CC423425	74.5	73.2	-1.3	0	0.0	0.0	66786	19.0	18.9	-0.1
12/3/16	0	0.1	0.1	CC423425	74.5	73.1	-1.5	0	0.0	0.0	66786	19.0	18.9	-0.1
12/4/16	0	0.1	0.1	CC423425	74.5	73.1	-1.4	0	0.0	0.0	66786	19.0	18.9	-0.1
12/5/16	0	0.2	0.2	CC423425	74.5	73.1	-1.4	0	0.0	0.0	66786	19.0	18.9	-0.1
12/6/16	0	0.2	0.2	CC423425	74.5	73.1	-1.4	0	0.0	0.0	66786	19.0	18.9	-0.1
12/7/16	0	0.2	0.2	CC423425	74.5	73.0	-1.5	0	0.0	0.0	66786	19.0	18.9	-0.1
12/8/16	0	0.2	0.2	CC423425	74.5	73.1	-1.4	0	0.0	0.0	66786	19.0	18.9	-0.1
12/9/16	0	0.3	0.3	CC423425	74.5	72.8	-1.7	0	0.0	0.0	66786	19.0	18.9	-0.1
12/10/16	0	0.2	0.2	CC423425	74.5	72.9	-1.7	0	0.0	0.0	66786	19.0	18.9	-0.1
12/11/16	0	0.4	0.4	CC423425	74.5	72.9	-1.6	0	0.0	0.0	66786	19.0	18.9	-0.1
12/12/16	0	0.4	0.4	CC423425	74.5	73.0	-1.5	0	0.0	0.0	66786	19.0	18.9	-0.1
12/13/16	0	0.4	0.4	CC423425	74.5	72.9	-1.6	0	0.0	0.0	66786	19.0	18.9	-0.1
12/14/16	0	0.4	0.4	CC423425	74.5	72.9	-1.6	0	0.0	0.0	66786	19.0	18.9	-0.1
12/15/16	0	0.7	0.7	CC423425	74.5	73.0	-1.5	0	0.0	0.0	66786	19.0	18.9	-0.1
12/16/16	0	0.6	0.6	CC423425	74.5	72.9	-1.7	0	0.0	0.0	66786	19.0	18.9	-0.1
12/17/16	0	0.6	0.6	CC423425	74.5	73.0	-1.5	0	0.0	0.0	66786	19.0	18.9	-0.1
12/18/16	0	0.7	0.7	CC423425	74.5	73.0	-1.6	0	0.0	0.0	66786	19.0	18.9	-0.1
12/19/16	0	0.6	0.6	CC423425	74.5	73.0	-1.5	0	0.0	0.0	66786	19.0	18.9	-0.1
12/20/16	0	0.7	0.7	CC423425	74.5	73.0	-1.5	0	0.0	0.0	66786	19.0	18.9	-0.1
12/21/16	0	0.7	0.7	CC423425	74.5	73.0	-1.5	0	0.0	0.0	66786	19.0	18.9	-0.1
12/22/16	0	0.8	0.8	CC342086	75.0	73.5	-1.5	0	0.0	0.0	66786	19.0	18.9	-0.1
12/23/16	0	0.8	0.8	CC342086	75.0	73.4	-1.5	0	0.0	0.0	66786	19.0	18.9	-0.1
12/24/16	0	0.8	0.8	CC342086	75.0	73.4	-1.5	0	0.0	0.0	66786	19.0	18.9	-0.1
12/25/16	0	1.0	1.0	CC342086	75.0	73.3	-1.6	0	0.0	0.0	66786	19.0	18.9	-0.1
12/26/16	0	1.1	1.1	CC342086	75.0	73.4	-1.5	0	0.0	0.0	66786	19.0	18.9	-0.1
12/27/16	0	1.2	1.2	CC342086	75.0	73.5	-1.4	0	0.0	0.0	66786	19.0	18.9	-0.1
12/28/16	0	1.2	1.2	CC342086	75.0	73.4	-1.6	0	0.0	0.0	66786	19.0	18.9	-0.1
12/29/16	0	1.2	1.2	CC342086	75.0	73.6	-1.4	0	0.0	0.0	66786	19.0	18.9	-0.1
12/30/16	0	1.4	1.4	CC342086	75.0	73.5	-1.4	0	0.0	0.0	66786	19.0	18.9	-0.1
12/31/16	0	1.5	1.5	CC342086	75.0	73.5	-1.4	0	0.0	0.0	66786	19.0	18.9	-0.1

	Boiler B-6 (EPN 3-00, EQT 0048) - NOx							Comments
	NO _x (ppmd)	O ₂ (% vol)	C _d (lb/scf)	F _d (scf/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	
60.49b(g)(1)				60.49b(g)(7)	60.49b(g)(2)	60.49b(g)(3)	60.49b(g)(3)	60.49b(g)(4), 60.49b(g)(5), 60.49b(g)(6), 60.49b(g)(8), 60.49b(g)(9)
DATE/TIME	CEM	CEM	Method 19 Table 19-1	Method 19	Method 19 Eq. 19-1	Daily Average	30-DRA Limit = 0.1	
	AI1501.P	AI1501B.						
10/1/16 00:00	27.50	4.52	0.00000328	8202	0.0344			
10/1/16 01:00	26.89	4.51	0.00000321	8202	0.0336			
10/1/16 02:00	26.14	4.54	0.00000312	8202	0.0327			
10/1/16 03:00	24.57	4.50	0.00000293	8202	0.0307			
10/1/16 04:00	24.87	4.46	0.00000297	8202	0.0310			
10/1/16 05:00	25.56	4.48	0.00000305	8202	0.0319			
10/1/16 06:00	26.18	4.49	0.00000313	8202	0.0327			
10/1/16 07:00	26.09	4.48	0.00000311	8202	0.0325			
10/1/16 08:00	25.09	4.54	0.00000300	8202	0.0314			
10/1/16 09:00	24.90	4.42	0.00000297	8202	0.0309			
10/1/16 10:00	24.83	4.39	0.00000296	8202	0.0308			
10/1/16 11:00	26.11	4.36	0.00000312	8202	0.0323			
10/1/16 12:00	25.51	4.40	0.00000305	8202	0.0316			
10/1/16 13:00	24.50	4.39	0.00000293	8202	0.0304			
10/1/16 14:00	25.70	4.34	0.00000307	8202	0.0318			
10/1/16 15:00	27.35	4.38	0.00000327	8202	0.0339			
10/1/16 16:00	27.71	4.49	0.00000331	8202	0.0346			
10/1/16 17:00	28.82	4.47	0.00000344	8202	0.0359			
10/1/16 18:00	29.94	4.73	0.00000357	8202	0.0379			
10/1/16 19:00	27.93	4.55	0.00000334	8202	0.0350			
10/1/16 20:00	27.40	4.60	0.00000327	8202	0.0344			
10/1/16 21:00	26.32	4.66	0.00000314	8202	0.0332			
10/1/16 22:00	25.47	4.58	0.00000304	8202	0.0319			
10/1/16 23:00	25.71	4.53	0.00000307	8202	0.0321	0.0328	0.0316	
10/2/16 00:00	26.39	4.51	0.00000315	8202	0.0329			
10/2/16 01:00	25.94	4.56	0.00000310	8202	0.0325			
10/2/16 02:00	25.91	4.51	0.00000309	8202	0.0324			
10/2/16 03:00	26.62	4.53	0.00000318	8202	0.0333			
10/2/16 04:00	26.65	4.57	0.00000318	8202	0.0334			
10/2/16 05:00	26.68	4.57	0.00000319	8202	0.0334			
10/2/16 06:00	26.79	4.50	0.00000320	8202	0.0334			
10/2/16 07:00	27.32	4.49	0.00000326	8202	0.0341			
10/2/16 08:00	27.04	4.49	0.00000323	8202	0.0337			
10/2/16 09:00	27.96	4.53	0.00000334	8202	0.0350			
10/2/16 10:00	28.34	4.53	0.00000338	8202	0.0354			
10/2/16 11:00	28.37	4.52	0.00000339	8202	0.0355			
10/2/16 12:00	26.92	4.55	0.00000321	8202	0.0337			
10/2/16 13:00	25.15	4.57	0.00000300	8202	0.0315			
10/2/16 14:00	22.44	4.47	0.00000268	8202	0.0279			
10/2/16 15:00	21.85	4.72	0.00000261	8202	0.0276			
10/2/16 16:00	20.55	4.68	0.00000245	8202	0.0259			
10/2/16 17:00	20.54	4.67	0.00000245	8202	0.0259			
10/2/16 18:00	21.63	4.49	0.00000258	8202	0.0270			
10/2/16 19:00	21.94	4.52	0.00000262	8202	0.0274			
10/2/16 20:00	22.03	4.55	0.00000263	8202	0.0276			
10/2/16 21:00	21.84	4.59	0.00000261	8202	0.0274			
10/2/16 22:00	21.42	4.64	0.00000256	8202	0.0270			
10/2/16 23:00	21.17	4.68	0.00000253	8202	0.0267	0.0309	0.0315	
10/3/16 00:00	21.23	4.66	0.00000254	8202	0.0268			
10/3/16 01:00	20.97	4.61	0.00000250	8202	0.0263			
10/3/16 02:00	20.56	4.58	0.00000245	8202	0.0258			
10/3/16 03:00	20.75	4.59	0.00000248	8202	0.0260			
10/3/16 04:00	21.11	4.56	0.00000252	8202	0.0264			
10/3/16 05:00	21.18	4.51	0.00000253	8202	0.0264			
10/3/16 06:00	21.47	4.52	0.00000256	8202	0.0268			
10/3/16 07:00	22.01	4.49	0.00000263	8202	0.0275			
10/3/16 08:00	22.26	4.50	0.00000266	8202	0.0278			
10/3/16 09:00	22.66	4.53	0.00000271	8202	0.0283			
10/3/16 10:00	22.73	4.53	0.00000271	8202	0.0284			
10/3/16 11:00	23.36	4.53	0.00000279	8202	0.0292			
10/3/16 12:00	23.30	4.51	0.00000278	8202	0.0291			
10/3/16 13:00	23.48	4.58	0.00000280	8202	0.0294			
10/3/16 14:00	23.66	4.56	0.00000282	8202	0.0296			
10/3/16 15:00	23.52	4.59	0.00000281	8202	0.0295			
10/3/16 16:00	23.42	4.57	0.00000280	8202	0.0294			
10/3/16 17:00	22.88	4.56	0.00000273	8202	0.0287			
10/3/16 18:00	22.43	4.56	0.00000268	8202	0.0281			
10/3/16 19:00	22.20	4.55	0.00000265	8202	0.0278			
10/3/16 20:00	22.41	4.56	0.00000268	8202	0.0281			
10/3/16 21:00	22.44	4.61	0.00000268	8202	0.0282			
10/3/16 22:00	22.59	4.56	0.00000270	8202	0.0283			
10/3/16 23:00	22.16	4.64	0.00000265	8202	0.0279	0.0279	0.0313	
10/4/16 00:00	21.84	4.64	0.00000261	8202	0.0275			
10/4/16 01:00	20.49	4.54	0.00000245	8202	0.0256			
10/4/16 02:00	19.63	4.53	0.00000234	8202	0.0246			
10/4/16 03:00	19.21	4.56	0.00000229	8202	0.0241			
10/4/16 04:00	18.70	4.48	0.00000223	8202	0.0233			
10/4/16 05:00	18.25	4.43	0.00000218	8202	0.0227			
10/4/16 06:00	19.33	4.40	0.00000231	8202	0.0240			
10/4/16 07:00	21.07	4.53	0.00000252	8202	0.0263			
10/4/16 08:00	21.21	4.55	0.00000253	8202	0.0265			
10/4/16 09:00	21.33	4.59	0.00000255	8202	0.0268			
10/4/16 10:00	21.70	4.60	0.00000259	8202	0.0272			
10/4/16 11:00	22.59	4.41	0.00000270	8202	0.0280			
10/4/16 12:00	22.71	4.32	0.00000271	8202	0.0280			

	Boiler B-6 (EPN 3-00, EQT 0048) - NOx							Comments
	NO _x (ppmd)	O ₂ (% vol)	C _d (lb/scf)	F _d (scf/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	
60.49b(g)(1)				60.49b(g)(7)	60.49b(g)(2)	60.49b(g)(3)	60.49b(g)(3)	60.49b(g)(4), 60.49b(g)(5), 60.49b(g)(6), 60.49b(g)(8), 60.49b(g)(9)
DATE/TIME	CEM	CEM	Method 19 Table 19-1	Method 19	Method 19 Eq. 19-1	Daily Average	30-DRA Limit = 0.1	
10/4/16 13:00	22.93	4.29	0.00000274	8202	0.0282			
10/4/16 14:00	22.54	4.33	0.00000269	8202	0.0279			
10/4/16 15:00	22.51	4.35	0.00000269	8202	0.0278			
10/4/16 16:00	22.49	4.35	0.00000269	8202	0.0278			
10/4/16 17:00	22.60	4.36	0.00000270	8202	0.0280			
10/4/16 18:00	22.49	4.41	0.00000268	8202	0.0279			
10/4/16 19:00	21.96	4.42	0.00000262	8202	0.0273			
10/4/16 20:00	21.78	4.42	0.00000260	8202	0.0270			
10/4/16 21:00	21.71	4.42	0.00000259	8202	0.0270			
10/4/16 22:00	21.78	4.41	0.00000260	8202	0.0270			
10/4/16 23:00	21.75	4.42	0.00000260	8202	0.0270	0.0266	0.0311	
10/5/16 00:00	21.53	4.42	0.00000257	8202	0.0267			
10/5/16 01:00	21.42	4.41	0.00000256	8202	0.0266			
10/5/16 02:00	21.35	4.41	0.00000255	8202	0.0265			
10/5/16 03:00	21.41	4.40	0.00000256	8202	0.0266			
10/5/16 04:00	21.38	4.40	0.00000255	8202	0.0265			
10/5/16 05:00	21.32	4.39	0.00000255	8202	0.0264			
10/5/16 06:00	21.30	4.38	0.00000254	8202	0.0264			
10/5/16 07:00	21.53	4.34	0.00000257	8202	0.0266			
10/5/16 08:00	21.65	4.37	0.00000258	8202	0.0268			
10/5/16 09:00	21.74	4.37	0.00000260	8202	0.0269			
10/5/16 10:00	21.90	4.39	0.00000262	8202	0.0271			
10/5/16 11:00	22.10	4.37	0.00000264	8202	0.0274			
10/5/16 12:00	22.36	4.35	0.00000267	8202	0.0277			
10/5/16 13:00	22.50	4.37	0.00000269	8202	0.0279			
10/5/16 14:00	22.68	4.42	0.00000271	8202	0.0282			
10/5/16 15:00	22.74	4.56	0.00000271	8202	0.0285			
10/5/16 16:00	23.96	4.37	0.00000286	8202	0.0297			
10/5/16 17:00	23.74	4.35	0.00000283	8202	0.0294			
10/5/16 18:00	23.15	4.40	0.00000276	8202	0.0287			
10/5/16 19:00	22.96	4.39	0.00000274	8202	0.0285			
10/5/16 20:00	22.95	4.38	0.00000274	8202	0.0284			
10/5/16 21:00	22.86	4.38	0.00000273	8202	0.0283			
10/5/16 22:00	22.53	4.39	0.00000269	8202	0.0279			
10/5/16 23:00	22.92	4.32	0.00000274	8202	0.0283	0.0276	0.0308	
10/6/16 00:00	22.70	4.30	0.00000271	8202	0.0280			
10/6/16 01:00	22.68	4.29	0.00000271	8202	0.0279			
10/6/16 02:00	23.17	4.28	0.00000277	8202	0.0285			
10/6/16 03:00	23.37	4.28	0.00000279	8202	0.0288			
10/6/16 04:00	23.36	4.30	0.00000279	8385	0.0294			
10/6/16 05:00	23.54	4.29	0.00000281	8385	0.0297			
10/6/16 06:00	23.41	4.30	0.00000279	8385	0.0295			
10/6/16 07:00	23.40	4.31	0.00000279	8385	0.0295			
10/6/16 08:00	22.88	4.34	0.00000273	8385	0.0289			
10/6/16 09:00	22.98	4.35	0.00000274	8385	0.0291			
10/6/16 10:00	22.66	4.38	0.00000271	8385	0.0287			
10/6/16 11:00	22.80	4.36	0.00000272	8385	0.0288			
10/6/16 12:00	22.61	4.38	0.00000270	8385	0.0286			
10/6/16 13:00	22.46	4.38	0.00000268	8385	0.0285			
10/6/16 14:00	22.85	4.39	0.00000273	8385	0.0290			
10/6/16 15:00	22.65	4.41	0.00000270	8385	0.0287			
10/6/16 16:00	22.74	4.45	0.00000271	8385	0.0289			
10/6/16 17:00	22.45	4.46	0.00000268	8385	0.0286			
10/6/16 18:00	22.10	4.48	0.00000264	8385	0.0282			
10/6/16 19:00	22.01	4.48	0.00000263	8385	0.0281			
10/6/16 20:00	22.01	4.46	0.00000263	8385	0.0280			
10/6/16 21:00	22.13	4.44	0.00000264	8385	0.0281			
10/6/16 22:00	22.05	4.44	0.00000263	8385	0.0280			
10/6/16 23:00	22.05	4.45	0.00000263	8385	0.0281	0.0286	0.0306	
10/7/16 00:00	22.08	4.43	0.00000264	8385	0.0281			
10/7/16 01:00	21.83	4.42	0.00000261	8385	0.0277			
10/7/16 02:00	21.82	4.40	0.00000261	8385	0.0277			
10/7/16 03:00	21.69	4.37	0.00000259	8385	0.0275			
10/7/16 04:00	21.83	4.37	0.00000261	8385	0.0276			
10/7/16 05:00	21.59	4.41	0.00000258	8385	0.0274			
10/7/16 06:00	22.68	4.39	0.00000271	8385	0.0287			
10/7/16 07:00	23.03	4.36	0.00000275	8385	0.0291			
10/7/16 08:00	22.99	4.38	0.00000274	8385	0.0291			
10/7/16 09:00	23.26	4.41	0.00000278	8385	0.0295			
10/7/16 10:00	23.81	4.36	0.00000284	8385	0.0301			
10/7/16 11:00	24.20	4.28	0.00000289	8385	0.0305			
10/7/16 12:00	24.32	4.26	0.00000290	8385	0.0306			
10/7/16 13:00	24.08	4.27	0.00000287	8385	0.0303			
10/7/16 14:00	24.13	4.27	0.00000288	8385	0.0303			
10/7/16 15:00	24.23	4.30	0.00000289	8385	0.0305			
10/7/16 16:00	24.62	4.22	0.00000294	8385	0.0309			
10/7/16 17:00	24.38	4.28	0.00000291	8385	0.0307			
10/7/16 18:00	24.18	4.25	0.00000289	8385	0.0304			
10/7/16 19:00	24.77	4.29	0.00000296	8385	0.0312			
10/7/16 20:00	24.64	4.30	0.00000294	8385	0.0311			
10/7/16 21:00	24.82	4.30	0.00000296	8385	0.0313			
10/7/16 22:00	24.52	4.33	0.00000293	8385	0.0310			
10/7/16 23:00	24.17	4.33	0.00000289	8385	0.0305	0.0297	0.0305	
10/8/16 00:00	24.34	4.31	0.00000291	8385	0.0307			
10/8/16 01:00	24.50	4.31	0.00000293	8385	0.0309			
10/8/16 02:00	24.40	4.32	0.00000291	8385	0.0308			

	Boiler B-6 (EPN 3-00, EQT 0048) - NOx							Comments
	NO _x (ppmd)	O ₂ (% vol)	C _d (lb/scf)	F _d (scf/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	
60.49b(g)(1)				60.49b(g)(7)	60.49b(g)(2)	60.49b(g)(3)	60.49b(g)(3)	60.49b(g)(4), 60.49b(g)(5), 60.49b(g)(6), 60.49b(g)(8), 60.49b(g)(9)
DATE/TIME	CEM	CEM	Method 19 Table 19-1	Method 19	Method 19 Eq. 19-1	Daily Average	30-DRA Limit = 0.1	
10/8/16 03:00	24.79	4.30	0.00000296	8385	0.0312			
10/8/16 04:00	24.80	4.27	0.00000296	8385	0.0312			
10/8/16 05:00	24.76	4.27	0.00000296	8385	0.0312			
10/8/16 06:00	24.93	4.24	0.00000298	8385	0.0313			
10/8/16 07:00	24.70	4.32	0.00000295	8385	0.0312			
10/8/16 08:00	24.99	4.24	0.00000298	8385	0.0314			
10/8/16 09:00	25.08	4.23	0.00000299	8385	0.0315			
10/8/16 10:00	24.92	4.24	0.00000298	8385	0.0313			
10/8/16 11:00	24.65	4.24	0.00000294	8385	0.0309			
10/8/16 12:00	24.62	4.24	0.00000294	8385	0.0309			
10/8/16 13:00	24.59	4.23	0.00000294	8385	0.0309			
10/8/16 14:00	24.71	4.25	0.00000295	8385	0.0310			
10/8/16 15:00	25.31	4.25	0.00000302	8385	0.0318			
10/8/16 16:00	25.59	4.22	0.00000306	8385	0.0321			
10/8/16 17:00	25.06	4.27	0.00000299	8385	0.0315			
10/8/16 18:00	24.84	4.33	0.00000297	8385	0.0314			
10/8/16 19:00	25.10	4.30	0.00000300	8385	0.0316			
10/8/16 20:00	25.27	4.28	0.00000302	8385	0.0318			
10/8/16 21:00	25.57	4.26	0.00000305	8385	0.0321			
10/8/16 22:00	25.90	4.26	0.00000309	8385	0.0326			
10/8/16 23:00	26.28	4.31	0.00000314	8385	0.0331	0.0314	0.0304	
10/9/16 00:00	26.80	4.28	0.00000320	8385	0.0338			
10/9/16 01:00	27.31	4.26	0.00000326	8385	0.0343			
10/9/16 02:00	27.38	4.28	0.00000327	8385	0.0345			
10/9/16 03:00	27.61	4.29	0.00000330	8385	0.0348			
10/9/16 04:00	27.51	4.28	0.00000328	8385	0.0346			
10/9/16 05:00	27.40	4.29	0.00000327	8385	0.0345			
10/9/16 06:00	27.35	4.27	0.00000327	8385	0.0344			
10/9/16 07:00	27.19	4.44	0.00000325	8385	0.0346			
10/9/16 08:00	27.27	4.26	0.00000326	8385	0.0343			
10/9/16 09:00	27.37	4.27	0.00000327	8385	0.0344			
10/9/16 10:00	27.43	4.24	0.00000328	8385	0.0344			
10/9/16 11:00	27.38	4.26	0.00000327	8385	0.0344			
10/9/16 12:00	27.42	4.26	0.00000327	8385	0.0345			
10/9/16 13:00	27.43	4.22	0.00000327	8385	0.0344			
10/9/16 14:00	27.72	4.22	0.00000331	8385	0.0348			
10/9/16 15:00	27.24	4.23	0.00000325	8385	0.0342			
10/9/16 16:00	27.36	4.28	0.00000327	8385	0.0344			
10/9/16 17:00	27.24	4.28	0.00000325	8385	0.0343			
10/9/16 18:00	26.74	4.31	0.00000319	8385	0.0337			
10/9/16 19:00	25.67	4.31	0.00000307	8385	0.0324			
10/9/16 20:00	25.46	4.28	0.00000304	8385	0.0321			
10/9/16 21:00	25.48	4.25	0.00000304	8385	0.0320			
10/9/16 22:00	25.66	4.24	0.00000306	8385	0.0322			
10/9/16 23:00	25.28	4.25	0.00000302	8385	0.0318	0.0339	0.0304	
10/10/16 00:00	25.77	4.25	0.00000308	8385	0.0324			
10/10/16 01:00	26.00	4.26	0.00000310	8385	0.0327			
10/10/16 02:00	26.06	4.28	0.00000311	8385	0.0328			
10/10/16 03:00	26.32	4.26	0.00000314	8385	0.0331			
10/10/16 04:00	26.44	4.23	0.00000316	8385	0.0332			
10/10/16 05:00	26.64	4.19	0.00000318	8385	0.0334			
10/10/16 06:00	26.35	4.19	0.00000315	8385	0.0330			
10/10/16 07:00	26.68	4.21	0.00000319	8385	0.0334			
10/10/16 08:00	26.06	4.26	0.00000311	8385	0.0328			
10/10/16 09:00	25.58	4.28	0.00000305	8385	0.0322			
10/10/16 10:00	25.59	4.25	0.00000306	8385	0.0322			
10/10/16 11:00	25.30	4.26	0.00000302	8385	0.0318			
10/10/16 12:00	24.78	4.24	0.00000296	8385	0.0311			
10/10/16 13:00	24.60	4.28	0.00000294	8385	0.0310			
10/10/16 14:00	25.25	4.26	0.00000301	8385	0.0318			
10/10/16 15:00	25.50	4.32	0.00000304	8385	0.0322			
10/10/16 16:00	25.36	4.36	0.00000303	8385	0.0321			
10/10/16 17:00	25.36	4.37	0.00000303	8385	0.0321			
10/10/16 18:00	24.67	4.39	0.00000295	8385	0.0313			
10/10/16 19:00	24.18	4.38	0.00000289	8385	0.0306			
10/10/16 20:00	24.14	4.37	0.00000288	8385	0.0306			
10/10/16 21:00	24.23	4.37	0.00000289	8385	0.0307			
10/10/16 22:00	24.32	4.37	0.00000290	8385	0.0308			
10/10/16 23:00	24.51	4.35	0.00000293	8385	0.0310	0.0320	0.0303	
10/11/16 00:00	24.54	4.36	0.00000293	8385	0.0310			
10/11/16 01:00	24.73	4.34	0.00000295	8385	0.0312			
10/11/16 02:00	24.82	4.35	0.00000296	8385	0.0314			
10/11/16 03:00	24.84	4.34	0.00000297	8385	0.0314			
10/11/16 04:00	24.67	4.33	0.00000295	8385	0.0312			
10/11/16 05:00	24.83	4.32	0.00000296	8385	0.0313			
10/11/16 06:00	24.79	4.30	0.00000296	8385	0.0313			
10/11/16 07:00	24.75	4.31	0.00000296	8385	0.0312			
10/11/16 08:00	24.99	4.32	0.00000298	8385	0.0315			
10/11/16 09:00	24.70	4.32	0.00000295	8385	0.0312			
10/11/16 10:00	24.81	4.24	0.00000296	8385	0.0312			
10/11/16 11:00	25.39	4.25	0.00000303	8385	0.0319			
10/11/16 12:00	25.47	4.21	0.00000304	8385	0.0319			
10/11/16 13:00	25.41	4.21	0.00000303	8385	0.0319			
10/11/16 14:00	25.14	4.24	0.00000300	8385	0.0316			
10/11/16 15:00	24.53	4.23	0.00000293	8385	0.0308			
10/11/16 16:00	24.60	4.15	0.00000294	8385	0.0307			

	Boiler B-6 (EPN 3-00, EQT 0048) - NOx							
	NO _x (ppmd)	O ₂ (% vol)	C _d (lb/scf)	F _d (scf/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	Comments
60.49b(g)(1)				60.49b(g)(7)	60.49b(g)(2)	60.49b(g)(3)	60.49b(g)(3)	60.49b(g)(4), 60.49b(g)(5), 60.49b(g)(6), 60.49b(g)(8), 60.49b(g)(9)
DATE/TIME	CEM	CEM	Method 19 Table 19-1	Method 19	Method 19 Eq. 19-1	Daily Average	30-DRA Limit = 0.1	
10/11/16 17:00	24.80	4.13	0.00000296	8385	0.0309			
10/11/16 18:00	24.80	4.22	0.00000296	8385	0.0311			
10/11/16 19:00	24.41	4.24	0.00000291	8385	0.0307			
10/11/16 20:00	23.96	4.23	0.00000286	8385	0.0301			
10/11/16 21:00	23.47	4.12	0.00000280	8385	0.0293			
10/11/16 22:00	23.31	4.06	0.00000278	8385	0.0290			
10/11/16 23:00	23.48	4.04	0.00000280	8385	0.0291	0.0310	0.0302	
10/12/16 00:00	24.07	4.03	0.00000287	8385	0.0299			
10/12/16 01:00	24.33	4.06	0.00000290	8385	0.0302			
10/12/16 02:00	24.28	4.08	0.00000290	8385	0.0302			
10/12/16 03:00	24.31	4.09	0.00000290	8385	0.0303			
10/12/16 04:00	24.48	4.11	0.00000292	8385	0.0305			
10/12/16 05:00	25.00	4.02	0.00000298	8385	0.0310			
10/12/16 06:00	25.50	4.07	0.00000304	8385	0.0317			
10/12/16 07:00	25.33	4.08	0.00000302	8385	0.0315			
10/12/16 08:00	25.30	4.17	0.00000302	8385	0.0316			
10/12/16 09:00	25.74	4.17	0.00000307	8385	0.0322			
10/12/16 10:00	25.59	4.17	0.00000306	8385	0.0320			
10/12/16 11:00	25.40	4.17	0.00000303	8385	0.0318			
10/12/16 12:00	25.29	4.20	0.00000302	8385	0.0317			
10/12/16 13:00	25.38	4.23	0.00000303	8385	0.0318			
10/12/16 14:00	25.38	4.29	0.00000303	8385	0.0320			
10/12/16 15:00	25.56	4.34	0.00000305	8385	0.0323			
10/12/16 16:00	25.09	4.35	0.00000300	8385	0.0317			
10/12/16 17:00	24.40	4.33	0.00000291	8385	0.0308			
10/12/16 18:00	23.87	4.35	0.00000285	8385	0.0302			
10/12/16 19:00	23.67	4.35	0.00000283	8385	0.0299			
10/12/16 20:00	23.56	4.37	0.00000281	8385	0.0298			
10/12/16 21:00	23.42	4.34	0.00000280	8385	0.0296			
10/12/16 22:00	23.59	4.31	0.00000282	8385	0.0298			
10/12/16 23:00	23.64	4.34	0.00000282	8385	0.0299	0.0309	0.0303	
10/13/16 00:00	23.63	4.33	0.00000282	8385	0.0298			
10/13/16 01:00	23.95	4.31	0.00000286	8385	0.0302			
10/13/16 02:00	23.47	4.32	0.00000280	8385	0.0296			
10/13/16 03:00	23.53	4.34	0.00000281	8385	0.0297			
10/13/16 04:00	23.37	4.32	0.00000279	8385	0.0295			
10/13/16 05:00	24.30	4.30	0.00000290	8385	0.0306			
10/13/16 06:00	24.79	4.32	0.00000296	8385	0.0313			
10/13/16 07:00	25.04	4.28	0.00000299	8385	0.0315			
10/13/16 08:00	25.31	4.29	0.00000302	8385	0.0319			
10/13/16 09:00	25.29	4.34	0.00000302	8385	0.0319			
10/13/16 10:00	25.56	4.24	0.00000305	8385	0.0321			
10/13/16 11:00	26.15	4.27	0.00000312	8385	0.0329			
10/13/16 12:00	25.80	4.37	0.00000308	8385	0.0327			
10/13/16 13:00	26.25	4.37	0.00000313	8385	0.0332			
10/13/16 14:00	26.41	4.38	0.00000315	8385	0.0334			
10/13/16 15:00	26.98	4.40	0.00000322	8385	0.0342			
10/13/16 16:00	26.54	4.37	0.00000317	8385	0.0336			
10/13/16 17:00	25.67	4.35	0.00000307	8385	0.0325			
10/13/16 18:00	24.99	4.40	0.00000298	8385	0.0317			
10/13/16 19:00	23.45	4.60	0.00000280	8385	0.0301			
10/13/16 20:00	23.48	4.53	0.00000280	8385	0.0300			
10/13/16 21:00	23.93	4.42	0.00000286	8385	0.0304			
10/13/16 22:00	23.13	4.45	0.00000276	8385	0.0294			
10/13/16 23:00	23.11	4.48	0.00000276	8385	0.0294	0.0313	0.0304	
10/14/16 00:00	22.82	4.53	0.00000272	8385	0.0292			
10/14/16 01:00	22.94	4.51	0.00000274	8385	0.0293			
10/14/16 02:00	23.14	4.53	0.00000276	8385	0.0296			
10/14/16 03:00	23.32	4.52	0.00000278	8385	0.0298			
10/14/16 04:00	23.14	4.53	0.00000276	8385	0.0296			
10/14/16 05:00	23.37	4.52	0.00000279	8385	0.0298			
10/14/16 06:00	23.37	4.52	0.00000279	8385	0.0298			
10/14/16 07:00	23.20	4.53	0.00000277	8385	0.0297			
10/14/16 08:00	23.44	4.55	0.00000280	8385	0.0300			
10/14/16 09:00	23.32	4.52	0.00000278	8385	0.0298			
10/14/16 10:00	23.79	4.50	0.00000284	8385	0.0303			
10/14/16 11:00	24.26	4.50	0.00000290	8385	0.0310			
10/14/16 12:00	24.09	4.44	0.00000288	8385	0.0306			
10/14/16 13:00	24.19	4.45	0.00000289	8385	0.0308			
10/14/16 14:00	24.75	4.38	0.00000296	8385	0.0314			
10/14/16 15:00	24.77	4.47	0.00000296	8385	0.0315			
10/14/16 16:00	24.93	4.43	0.00000298	8385	0.0317			
10/14/16 17:00	24.56	4.46	0.00000293	8385	0.0313			
10/14/16 18:00	24.17	4.48	0.00000289	8385	0.0308			
10/14/16 19:00	23.76	4.47	0.00000284	8385	0.0303			
10/14/16 20:00	23.84	4.44	0.00000285	8385	0.0303			
10/14/16 21:00	26.64	3.83	0.00000318	8385	0.0327			
10/14/16 22:00	26.56	3.80	0.00000317	8385	0.0325			
10/14/16 23:00	26.57	3.81	0.00000317	8385	0.0325	0.0306	0.0306	
10/15/16 00:00	26.61	3.84	0.00000318	8385	0.0326			
10/15/16 01:00	26.70	3.81	0.00000319	8385	0.0327			
10/15/16 02:00	26.48	3.82	0.00000316	8385	0.0324			
10/15/16 03:00	26.42	3.83	0.00000315	8385	0.0324			
10/15/16 04:00	26.89	3.79	0.00000321	8385	0.0329			
10/15/16 05:00	26.34	3.78	0.00000315	8385	0.0322			
10/15/16 06:00	26.02	3.97	0.00000311	8385	0.0321			

	Boiler B-6 (EPN 3-00, EQT 0048) - NOx							Comments
	NO _x (ppmd)	O ₂ (% vol)	C _d (lb/scf)	F _d (scf/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	
60.49b(g)(1)				60.49b(g)(7)	60.49b(g)(2)	60.49b(g)(3)	60.49b(g)(3)	60.49b(g)(4), 60.49b(g)(5), 60.49b(g)(6), 60.49b(g)(8), 60.49b(g)(9)
DATE/TIME	CEM	CEM	Method 19 Table 19-1	Method 19	Method 19 Eq. 19-1	Daily Average	30-DRA Limit = 0.1	
10/15/16 07:00	25.98	3.92	0.00000310	8385	0.0320			
10/15/16 08:00	25.69	3.93	0.00000307	8385	0.0317			
10/15/16 09:00	26.55	3.92	0.00000317	8385	0.0327			
10/15/16 10:00	26.96	3.91	0.00000322	8385	0.0332			
10/15/16 11:00	26.68	3.93	0.00000319	8385	0.0329			
10/15/16 12:00	26.23	3.91	0.00000313	8385	0.0323			
10/15/16 13:00	26.48	3.86	0.00000316	8385	0.0325			
10/15/16 14:00	26.74	3.94	0.00000319	8385	0.0330			
10/15/16 15:00	26.70	3.96	0.00000319	8385	0.0330			
10/15/16 16:00	26.23	3.98	0.00000313	8385	0.0324			
10/15/16 17:00	26.36	3.97	0.00000315	8385	0.0326			
10/15/16 18:00	25.54	4.17	0.00000305	8385	0.0320			
10/15/16 19:00	24.96	4.21	0.00000298	8385	0.0313			
10/15/16 20:00	24.35	4.28	0.00000291	8385	0.0307			
10/15/16 21:00	25.60	4.05	0.00000306	8385	0.0318			
10/15/16 22:00	25.11	4.21	0.00000300	8385	0.0315			
10/15/16 23:00	25.39	4.14	0.00000303	8385	0.0317	0.0323	0.0307	
10/16/16 00:00	25.59	4.12	0.00000306	8385	0.0319			
10/16/16 01:00	26.00	4.05	0.00000310	8385	0.0323			
10/16/16 02:00	25.98	3.98	0.00000310	8385	0.0321			
10/16/16 03:00	25.73	4.03	0.00000307	8385	0.0319			
10/16/16 04:00	25.64	4.01	0.00000306	8385	0.0318			
10/16/16 05:00	25.90	4.03	0.00000309	8385	0.0321			
10/16/16 06:00	25.68	4.07	0.00000307	8385	0.0319			
10/16/16 07:00	25.74	4.07	0.00000307	8385	0.0320			
10/16/16 08:00	25.72	4.07	0.00000307	8385	0.0320			
10/16/16 09:00	26.19	3.90	0.00000313	8385	0.0322			
10/16/16 10:00	26.15	3.77	0.00000312	8385	0.0319			
10/16/16 11:00	26.33	3.75	0.00000314	8385	0.0321			
10/16/16 12:00	26.29	3.82	0.00000314	8385	0.0322			
10/16/16 13:00	26.40	3.89	0.00000315	8385	0.0325			
10/16/16 14:00	26.94	3.80	0.00000322	8385	0.0330			
10/16/16 15:00	26.85	3.79	0.00000321	8385	0.0328			
10/16/16 16:00	26.54	3.81	0.00000317	8385	0.0325			
10/16/16 17:00	26.58	3.87	0.00000317	8385	0.0326			
10/16/16 18:00	26.15	3.90	0.00000312	8385	0.0322			
10/16/16 19:00	25.86	3.83	0.00000309	8385	0.0317			
10/16/16 20:00	26.37	3.85	0.00000315	8385	0.0324			
10/16/16 21:00	26.48	3.90	0.00000316	8385	0.0326			
10/16/16 22:00	26.60	3.85	0.00000318	8385	0.0326			
10/16/16 23:00	26.83	3.81	0.00000320	8385	0.0328	0.0323	0.0309	
10/17/16 00:00	27.11	3.74	0.00000324	8385	0.0330			
10/17/16 01:00	28.45	3.29	0.00000340	8385	0.0338			
10/17/16 02:00	27.53	3.30	0.00000329	8385	0.0327			
10/17/16 03:00	27.43	3.36	0.00000328	8385	0.0327			
10/17/16 04:00	27.58	3.41	0.00000329	8385	0.0330			
10/17/16 05:00	27.69	3.42	0.00000331	8385	0.0332			
10/17/16 06:00	27.83	3.45	0.00000332	8385	0.0334			
10/17/16 07:00	28.09	3.33	0.00000335	8385	0.0334			
10/17/16 08:00	27.99	3.38	0.00000334	8385	0.0334			
10/17/16 09:00	27.19	3.46	0.00000325	8352	0.0325			
10/17/16 10:00	27.66	3.40	0.00000330	8352	0.0329			
10/17/16 11:00	28.53	3.25	0.00000341	8352	0.0337			
10/17/16 12:00	27.65	3.69	0.00000330	8352	0.0335			
10/17/16 13:00	28.66	3.42	0.00000342	8352	0.0342			
10/17/16 14:00	29.73	3.17	0.00000355	8352	0.0349			
10/17/16 15:00	29.80	3.12	0.00000356	8352	0.0349			
10/17/16 16:00	29.45	3.25	0.00000352	8352	0.0348			
10/17/16 17:00	28.27	3.38	0.00000337	8352	0.0336			
10/17/16 18:00	27.99	3.43	0.00000334	8352	0.0334			
10/17/16 19:00	27.69	3.44	0.00000331	8352	0.0331			
10/17/16 20:00	27.38	3.35	0.00000327	8352	0.0325			
10/17/16 21:00	27.46	3.29	0.00000328	8352	0.0325			
10/17/16 22:00	27.40	3.31	0.00000327	8352	0.0325			
10/17/16 23:00	27.06	3.52	0.00000323	8352	0.0325	0.0333	0.0312	
10/18/16 00:00	27.21	3.45	0.00000325	8352	0.0325			
10/18/16 01:00	26.93	3.50	0.00000322	8352	0.0323			
10/18/16 02:00	27.08	3.47	0.00000323	8352	0.0324			
10/18/16 03:00	26.89	3.48	0.00000321	8352	0.0322			
10/18/16 04:00	26.80	3.47	0.00000320	8352	0.0320			
10/18/16 05:00	26.73	3.48	0.00000319	8352	0.0320			
10/18/16 06:00	26.59	3.60	0.00000317	8352	0.0320			
10/18/16 07:00	26.58	3.68	0.00000317	8352	0.0322			
10/18/16 08:00	26.40	3.59	0.00000315	8352	0.0318			
10/18/16 09:00	26.89	3.72	0.00000321	8352	0.0326			
10/18/16 10:00	27.60	3.54	0.00000330	8352	0.0331			
10/18/16 11:00	27.45	3.38	0.00000328	8352	0.0327			
10/18/16 12:00	28.05	3.30	0.00000335	8352	0.0332			
10/18/16 13:00	28.27	3.29	0.00000338	8352	0.0334			
10/18/16 14:00	25.82	4.00	0.00000308	8352	0.0318			
10/18/16 15:00	22.52	3.20	0.00000269	8352	0.0265			
10/18/16 16:00	27.63	3.08	0.00000330	8352	0.0323			
10/18/16 17:00	27.47	3.24	0.00000328	8352	0.0324			
10/18/16 18:00	25.09	4.36	0.00000300	8352	0.0316			
10/18/16 19:00	25.60	4.03	0.00000306	8352	0.0316			
10/18/16 20:00	25.36	4.03	0.00000303	8352	0.0313			

	Boiler B-6 (EPN 3-00, EQT 0048) - NOx							
	NO _x (ppmd)	O ₂ (% vol)	C _d (lb/scf)	F _d (scf/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	Comments
60.49b(g)(1)				60.49b(g)(7)	60.49b(g)(2)	60.49b(g)(3)	60.49b(g)(3)	60.49b(g)(4), 60.49b(g)(5), 60.49b(g)(6), 60.49b(g)(8), 60.49b(g)(9)
DATE/TIME	CEM	CEM	Method 19 Table 19-1	Method 19	Method 19 Eq. 19-1	Daily Average	30-DRA Limit = 0.1	
10/18/16 21:00	24.88	4.17	0.00000297	8352	0.0310			
10/18/16 22:00	25.26	4.17	0.00000302	8352	0.0315			
10/18/16 23:00	25.63	3.89	0.00000306	8352	0.0314	0.0319	0.0314	
10/19/16 00:00	25.93	3.69	0.00000310	8352	0.0314			
10/19/16 01:00	25.50	3.81	0.00000304	8352	0.0311			
10/19/16 02:00	25.50	3.81	0.00000304	8352	0.0311			
10/19/16 03:00	25.71	3.89	0.00000307	8352	0.0315			
10/19/16 04:00	25.78	3.93	0.00000308	8352	0.0317			
10/19/16 05:00	25.62	3.98	0.00000306	8352	0.0316			
10/19/16 06:00	25.68	3.96	0.00000307	8352	0.0316			
10/19/16 07:00	25.74	4.02	0.00000307	8352	0.0318			
10/19/16 08:00	25.79	3.83	0.00000308	8352	0.0315			
10/19/16 09:00			0.00000000	8352	0.0000			Excluded CEMS Data. Cylinder Gas Audit
10/19/16 10:00	25.96	3.88	0.00000310	8352	0.0318			
10/19/16 11:00	26.01	3.89	0.00000311	8352	0.0319			
10/19/16 12:00	25.86	3.82	0.00000309	8352	0.0316			
10/19/16 13:00	25.73	3.88	0.00000307	8352	0.0315			
10/19/16 14:00	25.55	3.96	0.00000305	8352	0.0314			
10/19/16 15:00	25.83	3.98	0.00000308	8352	0.0318			
10/19/16 16:00	26.06	4.03	0.00000311	8352	0.0322			
10/19/16 17:00	26.31	3.83	0.00000314	8352	0.0321			
10/19/16 18:00	26.60	3.76	0.00000318	8352	0.0323			
10/19/16 19:00	26.92	3.61	0.00000321	8352	0.0325			
10/19/16 20:00	26.58	3.60	0.00000317	8352	0.0320			
10/19/16 21:00	27.00	3.46	0.00000322	8352	0.0323			
10/19/16 22:00	27.20	3.33	0.00000325	8352	0.0323			
10/19/16 23:00	26.98	3.34	0.00000322	8352	0.0320	0.0305	0.0316	
10/20/16 00:00	27.06	3.23	0.00000323	8352	0.0319			
10/20/16 01:00	27.17	3.11	0.00000324	8352	0.0318			
10/20/16 02:00	27.80	3.18	0.00000332	8352	0.0327			
10/20/16 03:00	28.10	3.14	0.00000336	8352	0.0330			
10/20/16 04:00	28.12	3.09	0.00000336	8196	0.0323			
10/20/16 05:00	28.00	3.05	0.00000334	8196	0.0321			
10/20/16 06:00	28.56	3.11	0.00000341	8196	0.0328			
10/20/16 07:00	28.80	2.95	0.00000344	8196	0.0328			
10/20/16 08:00	28.60	2.85	0.00000341	8196	0.0324			
10/20/16 09:00	28.96	2.81	0.00000346	8196	0.0328			
10/20/16 10:00	29.31	2.92	0.00000350	8196	0.0334			
10/20/16 11:00	28.73	3.05	0.00000343	8196	0.0329			
10/20/16 12:00	28.91	2.65	0.00000345	8196	0.0324			
10/20/16 13:00	29.93	2.79	0.00000357	8196	0.0338			
10/20/16 14:00	29.75	2.85	0.00000355	8196	0.0337			
10/20/16 15:00	30.04	2.72	0.00000359	8196	0.0338			
10/20/16 16:00	23.09	5.07	0.00000276	8196	0.0298			
10/20/16 17:00	29.16	3.28	0.00000348	8196	0.0338			
10/20/16 18:00	29.00	3.80	0.00000346	8196	0.0347			
10/20/16 19:00	28.91	3.67	0.00000345	8196	0.0343			
10/20/16 20:00	29.29	3.47	0.00000350	8196	0.0344			
10/20/16 21:00	29.22	3.29	0.00000349	8196	0.0339			
10/20/16 22:00	28.73	3.24	0.00000343	8196	0.0333			
10/20/16 23:00	28.30	3.38	0.00000338	8196	0.0330	0.0330	0.0317	
10/21/16 00:00	27.85	3.45	0.00000332	8196	0.0326			
10/21/16 01:00	27.91	3.36	0.00000333	8196	0.0325			
10/21/16 02:00	28.75	3.53	0.00000343	8196	0.0339			
10/21/16 03:00	29.39	3.58	0.00000351	8196	0.0347			
10/21/16 04:00	28.70	3.99	0.00000343	8196	0.0347			
10/21/16 05:00	28.18	4.17	0.00000336	8196	0.0344			
10/21/16 06:00	27.91	4.19	0.00000333	8196	0.0342			
10/21/16 07:00	27.65	4.32	0.00000330	8196	0.0341			
10/21/16 08:00	27.50	4.72	0.00000328	8196	0.0347			
10/21/16 09:00	27.17	4.56	0.00000324	8196	0.0340			
10/21/16 10:00	28.06	4.26	0.00000335	8196	0.0345			
10/21/16 11:00	27.96	4.25	0.00000334	8196	0.0344			
10/21/16 12:00	27.60	4.52	0.00000330	8196	0.0345			
10/21/16 13:00	28.47	4.34	0.00000340	8196	0.0352			
10/21/16 14:00	30.06	3.92	0.00000359	8196	0.0362			
10/21/16 15:00	29.83	4.03	0.00000356	8196	0.0362			
10/21/16 16:00	30.10	3.99	0.00000359	8196	0.0364			
10/21/16 17:00	29.24	4.39	0.00000349	8196	0.0362			
10/21/16 18:00	28.95	4.68	0.00000346	8196	0.0365			
10/21/16 19:00	28.71	4.57	0.00000343	8196	0.0360			
10/21/16 20:00	28.89	4.74	0.00000345	8196	0.0366			
10/21/16 21:00	29.65	4.39	0.00000354	8196	0.0367			
10/21/16 22:00	30.05	3.94	0.00000359	8196	0.0362			
10/21/16 23:00	30.05	3.80	0.00000359	8196	0.0359	0.0351	0.0320	
10/22/16 00:00	29.88	3.92	0.00000357	8196	0.0360			
10/22/16 01:00	30.18	3.96	0.00000360	8196	0.0364			
10/22/16 02:00	29.79	3.93	0.00000356	8196	0.0359			
10/22/16 03:00	30.10	4.12	0.00000359	8196	0.0367			
10/22/16 04:00	30.18	3.74	0.00000360	8196	0.0360			
10/22/16 05:00	30.18	3.50	0.00000360	8196	0.0355			
10/22/16 06:00	30.11	3.23	0.00000359	8196	0.0349			
10/22/16 07:00	30.12	3.16	0.00000360	8196	0.0347			
10/22/16 08:00	30.20	3.16	0.00000361	8196	0.0348			
10/22/16 09:00	30.07	3.09	0.00000359	8196	0.0345			
10/22/16 10:00	29.85	2.95	0.00000356	8196	0.0340			

	Boiler B-6 (EPN 3-00, EQT 0048) - NOx							
	NO _x (ppmd)	O ₂ (% vol)	C _d (lb/scf)	F _d (scf/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	Comments
60.49b(g)(1)				60.49b(g)(7)	60.49b(g)(2)	60.49b(g)(3)	60.49b(g)(3)	60.49b(g)(4), 60.49b(g)(5), 60.49b(g)(6), 60.49b(g)(8), 60.49b(g)(9)
DATE/TIME	CEM	CEM	Method 19 Table 19-1	Method 19	Method 19 Eq. 19-1	Daily Average	30-DRA Limit = 0.1	
10/22/16 11:00	30.09	2.75	0.00000359	8196	0.0339			
10/22/16 12:00	29.88	3.06	0.00000357	8196	0.0343			
10/22/16 13:00	30.03	3.03	0.00000359	8196	0.0344			
10/22/16 14:00	29.92	3.20	0.00000357	8196	0.0346			
10/22/16 15:00	29.92	3.81	0.00000357	8196	0.0358			
10/22/16 16:00	29.81	4.06	0.00000356	8196	0.0362			
10/22/16 17:00	29.94	3.91	0.00000357	8196	0.0360			
10/22/16 18:00	30.08	3.35	0.00000359	8196	0.0351			
10/22/16 19:00	29.88	3.56	0.00000357	8196	0.0352			
10/22/16 20:00	29.96	3.57	0.00000358	8196	0.0354			
10/22/16 21:00	29.78	3.61	0.00000356	8196	0.0352			
10/22/16 22:00	29.92	3.88	0.00000357	8196	0.0359			
10/22/16 23:00	30.26	4.25	0.00000361	8196	0.0372	0.0354	0.0321	
10/23/16 00:00	30.77	3.87	0.00000367	8196	0.0370			
10/23/16 01:00	29.60	4.21	0.00000353	8196	0.0363			
10/23/16 02:00	29.43	4.38	0.00000351	8196	0.0364			
10/23/16 03:00	29.84	4.31	0.00000356	8196	0.0368			
10/23/16 04:00	29.75	3.83	0.00000355	8196	0.0356			
10/23/16 05:00	30.46	3.62	0.00000364	8196	0.0361			
10/23/16 06:00	30.01	3.40	0.00000358	8196	0.0351			
10/23/16 07:00	30.25	3.52	0.00000361	8196	0.0356			
10/23/16 08:00	30.35	3.31	0.00000362	8196	0.0353			
10/23/16 09:00	30.12	3.26	0.00000360	8196	0.0349			
10/23/16 10:00	29.84	3.33	0.00000356	8196	0.0347			
10/23/16 11:00	30.26	3.16	0.00000361	8196	0.0349			
10/23/16 12:00	29.66	3.01	0.00000354	8196	0.0339			
10/23/16 13:00	31.75	3.24	0.00000379	8196	0.0368			
10/23/16 14:00	29.81	3.31	0.00000356	8196	0.0347			
10/23/16 15:00	29.51	3.94	0.00000352	8196	0.0356			
10/23/16 16:00	30.76	4.33	0.00000367	8196	0.0380			
10/23/16 17:00	29.62	4.74	0.00000354	8196	0.0375			
10/23/16 18:00	30.01	4.74	0.00000358	8196	0.0380			
10/23/16 19:00	29.68	4.66	0.00000354	8196	0.0374			
10/23/16 20:00	29.90	4.26	0.00000357	8196	0.0368			
10/23/16 21:00	29.76	4.24	0.00000355	8196	0.0365			
10/23/16 22:00	30.08	3.90	0.00000359	8196	0.0362			
10/23/16 23:00	29.18	4.69	0.00000348	8196	0.0368	0.0361	0.0322	
10/24/16 00:00	29.26	4.87	0.00000349	8196	0.0373			
10/24/16 01:00	28.66	4.75	0.00000342	8196	0.0363			
10/24/16 02:00	28.16	4.88	0.00000336	8196	0.0360			
10/24/16 03:00	29.67	4.33	0.00000354	8196	0.0366			
10/24/16 04:00	29.65	4.67	0.00000354	8196	0.0374			
10/24/16 05:00	28.97	4.54	0.00000346	8196	0.0362			
10/24/16 06:00	29.15	4.49	0.00000348	8196	0.0363			
10/24/16 07:00	29.15	4.21	0.00000348	8196	0.0357			
10/24/16 08:00	30.07	4.05	0.00000359	8196	0.0365			
10/24/16 09:00	30.61	4.22	0.00000365	8196	0.0375			
10/24/16 10:00	30.18	4.15	0.00000360	8196	0.0368			
10/24/16 11:00	30.29	4.43	0.00000362	8196	0.0376			
10/24/16 12:00	29.94	4.37	0.00000357	8196	0.0370			
10/24/16 13:00	30.15	3.90	0.00000360	8196	0.0363			
10/24/16 14:00	29.82	3.86	0.00000356	8196	0.0358			
10/24/16 15:00	30.03	3.92	0.00000359	8196	0.0362			
10/24/16 16:00	29.93	3.95	0.00000357	8196	0.0361			
10/24/16 17:00	30.08	4.53	0.00000359	8196	0.0376			
10/24/16 18:00	29.98	4.73	0.00000358	8196	0.0379			
10/24/16 19:00	30.05	4.65	0.00000359	8196	0.0378			
10/24/16 20:00	30.07	4.63	0.00000359	8196	0.0378			
10/24/16 21:00	29.92	4.62	0.00000357	8196	0.0376			
10/24/16 22:00	30.16	4.54	0.00000360	8196	0.0377			
10/24/16 23:00	30.14	4.51	0.00000360	8196	0.0376	0.0369	0.0323	
10/25/16 00:00	29.96	4.59	0.00000358	8196	0.0376			
10/25/16 01:00	30.03	4.57	0.00000359	8196	0.0376			
10/25/16 02:00	30.21	4.35	0.00000361	8196	0.0373			
10/25/16 03:00	30.88	4.13	0.00000369	8196	0.0377			
10/25/16 04:00	30.84	4.14	0.00000368	8196	0.0376			
10/25/16 05:00	31.19	3.60	0.00000372	8196	0.0369			
10/25/16 06:00	31.49	3.45	0.00000376	8196	0.0369			
10/25/16 07:00	32.25	3.23	0.00000385	8196	0.0373			
10/25/16 08:00	32.39	3.29	0.00000387	8196	0.0376			
10/25/16 09:00	32.42	3.00	0.00000387	8196	0.0371			
10/25/16 10:00	32.79	3.24	0.00000391	8196	0.0380			
10/25/16 11:00	33.20	3.40	0.00000396	8196	0.0388			
10/25/16 12:00	33.26	3.40	0.00000397	8196	0.0389			
10/25/16 13:00	33.31	3.63	0.00000398	8196	0.0394			
10/25/16 14:00	33.31	3.52	0.00000398	8196	0.0392			
10/25/16 15:00	33.39	3.10	0.00000399	8196	0.0384			
10/25/16 16:00			0.00000000	8196	0.0000			Excluded CEMS Data. Cylinder Gas Audit
10/25/16 17:00	33.17	3.42	0.00000396	8196	0.0388			
10/25/16 18:00	33.33	2.91	0.00000398	8196	0.0379			
10/25/16 19:00	32.75	3.15	0.00000391	8196	0.0377			
10/25/16 20:00	32.22	3.21	0.00000385	8196	0.0373			
10/25/16 21:00	31.73	3.42	0.00000379	8196	0.0371			
10/25/16 22:00	31.28	3.62	0.00000373	8196	0.0370			
10/25/16 23:00	31.08	3.22	0.00000371	8196	0.0360	0.0362	0.0324	
10/26/16 00:00	31.29	3.18	0.00000374	8196	0.0361			

	Boiler B-6 (EPN 3-00, EQT 0048) - NOx							Comments
	NO _x (ppmd)	O ₂ (% vol)	C _d (lb/scf)	F _d (scf/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	
60.49b(g)(1)				60.49b(g)(7)	60.49b(g)(2)	60.49b(g)(3)	60.49b(g)(3)	60.49b(g)(4), 60.49b(g)(5), 60.49b(g)(6), 60.49b(g)(8), 60.49b(g)(9)
DATE/TIME	CEM	CEM	Method 19 Table 19-1	Method 19	Method 19 Eq. 19-1	Daily Average	30-DRA Limit = 0.1	
10/26/16 01:00	32.24	3.24	0.00000385	8196	0.0373			
10/26/16 02:00	33.21	3.39	0.00000397	8196	0.0388			
10/26/16 03:00	31.85	3.15	0.00000380	8196	0.0367			
10/26/16 04:00	30.93	3.22	0.00000369	8196	0.0358			
10/26/16 05:00	30.86	2.92	0.00000368	8196	0.0351			
10/26/16 06:00	31.25	2.83	0.00000373	8196	0.0354			
10/26/16 07:00	31.74	3.69	0.00000379	8196	0.0377			
10/26/16 08:00	28.66	4.39	0.00000342	8196	0.0355			
10/26/16 09:00	29.98	3.68	0.00000358	8196	0.0356			
10/26/16 10:00	29.75	3.85	0.00000355	8196	0.0357			
10/26/16 11:00	30.14	4.19	0.00000360	8196	0.0369			
10/26/16 12:00	30.05	4.24	0.00000359	8196	0.0369			
10/26/16 13:00	30.01	4.25	0.00000358	8196	0.0369			
10/26/16 14:00	30.06	4.30	0.00000359	8196	0.0370			
10/26/16 15:00	29.68	4.22	0.00000354	8196	0.0364			
10/26/16 16:00	30.05	4.25	0.00000359	8196	0.0369			
10/26/16 17:00	29.84	4.22	0.00000356	8196	0.0366			
10/26/16 18:00	29.98	4.27	0.00000358	8196	0.0369			
10/26/16 19:00	29.76	4.03	0.00000355	8196	0.0361			
10/26/16 20:00	29.76	4.01	0.00000355	8196	0.0360			
10/26/16 21:00	30.05	4.02	0.00000359	8196	0.0364			
10/26/16 22:00	29.78	3.82	0.00000356	8196	0.0357			
10/26/16 23:00	29.99	3.98	0.00000358	8196	0.0363	0.0364	0.0325	
10/27/16 00:00	30.14	3.99	0.00000360	8196	0.0365			
10/27/16 01:00	29.89	3.91	0.00000357	8196	0.0360			
10/27/16 02:00	30.03	4.01	0.00000359	8196	0.0364			
10/27/16 03:00	29.97	3.94	0.00000358	8196	0.0362			
10/27/16 04:00	30.02	3.98	0.00000358	8145	0.0361			
10/27/16 05:00	29.87	3.87	0.00000357	8145	0.0357			
10/27/16 06:00	30.07	3.98	0.00000359	8145	0.0361			
10/27/16 07:00	30.40	3.61	0.00000363	8145	0.0357			
10/27/16 08:00	30.01	3.60	0.00000358	8145	0.0353			
10/27/16 09:00	29.92	3.64	0.00000357	8145	0.0352			
10/27/16 10:00	30.25	3.68	0.00000361	8145	0.0357			
10/27/16 11:00	30.03	3.72	0.00000359	8145	0.0355			
10/27/16 12:00	30.06	3.75	0.00000359	8145	0.0356			
10/27/16 13:00	34.26	3.91	0.00000409	8145	0.0410			
10/27/16 14:00	32.17	3.57	0.00000384	8145	0.0377			
10/27/16 15:00	31.01	3.14	0.00000370	8145	0.0355			
10/27/16 16:00	30.68	3.76	0.00000366	8145	0.0364			
10/27/16 17:00	30.37	3.35	0.00000363	8145	0.0352			
10/27/16 18:00	29.93	3.29	0.00000357	8145	0.0346			
10/27/16 19:00	29.86	4.01	0.00000357	8145	0.0359			
10/27/16 20:00	29.60	3.82	0.00000353	8145	0.0352			
10/27/16 21:00	30.03	3.77	0.00000358	8145	0.0356			
10/27/16 22:00	30.08	3.60	0.00000359	8145	0.0353			
10/27/16 23:00	30.18	3.53	0.00000360	8145	0.0353	0.0360	0.0326	
10/28/16 00:00	29.78	3.53	0.00000356	8145	0.0348			
10/28/16 01:00	30.11	3.74	0.00000360	8145	0.0357			
10/28/16 02:00	29.86	3.80	0.00000357	8145	0.0355			
10/28/16 03:00	30.01	3.84	0.00000358	8145	0.0357			
10/28/16 04:00	29.95	3.80	0.00000358	8145	0.0356			
10/28/16 05:00	30.04	3.90	0.00000359	8145	0.0359			
10/28/16 06:00	30.06	3.92	0.00000359	8145	0.0360			
10/28/16 07:00	30.27	4.06	0.00000361	8145	0.0365			
10/28/16 08:00	29.99	4.04	0.00000358	8145	0.0362			
10/28/16 09:00	30.00	4.24	0.00000358	8145	0.0366			
10/28/16 10:00	30.20	4.17	0.00000361	8145	0.0367			
10/28/16 11:00	29.96	4.20	0.00000358	8145	0.0365			
10/28/16 12:00	30.08	4.18	0.00000359	8145	0.0366			
10/28/16 13:00	30.01	4.16	0.00000358	8145	0.0364			
10/28/16 14:00	30.06	4.16	0.00000359	8145	0.0365			
10/28/16 15:00	30.11	4.21	0.00000360	8145	0.0367			
10/28/16 16:00	30.00	4.26	0.00000358	8145	0.0366			
10/28/16 17:00	29.87	4.36	0.00000357	8145	0.0367			
10/28/16 18:00	29.87	4.37	0.00000357	8145	0.0367			
10/28/16 19:00	30.08	4.06	0.00000359	8145	0.0363			
10/28/16 20:00	30.06	4.20	0.00000359	8145	0.0366			
10/28/16 21:00	30.02	4.20	0.00000358	8145	0.0365			
10/28/16 22:00	30.03	4.20	0.00000359	8145	0.0365			
10/28/16 23:00	29.90	4.24	0.00000357	8145	0.0365	0.0363	0.0326	
10/29/16 00:00	29.89	4.23	0.00000357	8145	0.0365			
10/29/16 01:00	30.05	4.24	0.00000359	8145	0.0367			
10/29/16 02:00	30.00	4.26	0.00000358	8145	0.0366			
10/29/16 03:00	30.03	4.25	0.00000359	8145	0.0367			
10/29/16 04:00	30.00	4.26	0.00000358	8145	0.0366			
10/29/16 05:00	29.99	4.28	0.00000358	8145	0.0367			
10/29/16 06:00	30.04	4.26	0.00000359	8145	0.0367			
10/29/16 07:00	30.36	4.16	0.00000363	8145	0.0369			
10/29/16 08:00	30.06	4.07	0.00000359	8145	0.0363			
10/29/16 09:00	30.00	3.99	0.00000358	8145	0.0360			
10/29/16 10:00	29.99	4.25	0.00000358	8145	0.0366			
10/29/16 11:00	30.05	4.21	0.00000359	8145	0.0366			
10/29/16 12:00	30.02	4.06	0.00000358	8145	0.0362			
10/29/16 13:00	30.08	4.12	0.00000359	8145	0.0364			
10/29/16 14:00	30.01	4.12	0.00000358	8145	0.0363			

	Boiler B-6 (EPN 3-00, EQT 0048) - NOx							
	NO _x (ppmd)	O ₂ (% vol)	C _d (lb/scf)	F _d (scf/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	Comments
60.49b(g)(1)				60.49b(g)(7)	60.49b(g)(2)	60.49b(g)(3)	60.49b(g)(3)	60.49b(g)(4), 60.49b(g)(5), 60.49b(g)(6), 60.49b(g)(8), 60.49b(g)(9)
DATE/TIME	CEM	CEM	Method 19 Table 19-1	Method 19	Method 19 Eq. 19-1	Daily Average	30-DRA Limit = 0.1	
10/29/16 15:00	30.03	4.19	0.00000358	8145	0.0365			
10/29/16 16:00	30.23	4.05	0.00000361	8145	0.0365			
10/29/16 17:00	29.98	4.13	0.00000358	8145	0.0363			
10/29/16 18:00	29.83	4.09	0.00000356	8145	0.0361			
10/29/16 19:00	30.01	4.12	0.00000358	8145	0.0364			
10/29/16 20:00	29.88	4.09	0.00000357	8145	0.0361			
10/29/16 21:00	29.97	4.11	0.00000358	8145	0.0363			
10/29/16 22:00	30.05	4.10	0.00000359	8145	0.0363			
10/29/16 23:00	29.98	4.07	0.00000358	8145	0.0362	0.0364	0.0326	
10/30/16 00:00	30.04	4.10	0.00000359	8145	0.0363			
10/30/16 01:00	30.01	4.07	0.00000358	8145	0.0362			
10/30/16 02:00	29.90	4.06	0.00000357	8145	0.0361			
10/30/16 03:00	30.09	3.99	0.00000359	8145	0.0362			
10/30/16 04:00	30.03	4.02	0.00000359	8145	0.0362			
10/30/16 05:00	29.98	3.91	0.00000358	8145	0.0359			
10/30/16 06:00	30.01	4.03	0.00000358	8145	0.0362			
10/30/16 07:00	30.01	3.98	0.00000358	8145	0.0360			
10/30/16 08:00	29.99	3.76	0.00000358	8145	0.0356			
10/30/16 09:00	30.04	3.74	0.00000359	8145	0.0356			
10/30/16 10:00	30.16	3.62	0.00000360	8145	0.0355			
10/30/16 11:00	30.76	3.55	0.00000367	8145	0.0360			
10/30/16 12:00	31.48	3.57	0.00000376	8145	0.0369			
10/30/16 13:00	31.75	3.57	0.00000379	8145	0.0372			
10/30/16 14:00	32.09	3.73	0.00000383	8145	0.0380			
10/30/16 15:00	32.34	3.79	0.00000386	8145	0.0384			
10/30/16 16:00	32.58	3.64	0.00000389	8145	0.0384			
10/30/16 17:00	32.36	3.66	0.00000386	8145	0.0382			
10/30/16 18:00	31.79	3.67	0.00000380	8145	0.0375			
10/30/16 19:00	30.85	3.78	0.00000368	8145	0.0366			
10/30/16 20:00	30.31	3.76	0.00000362	8145	0.0359			
10/30/16 21:00	30.02	3.74	0.00000358	8145	0.0356			
10/30/16 22:00	30.23	3.77	0.00000361	8145	0.0359			
10/30/16 23:00	30.33	3.89	0.00000362	8145	0.0362	0.0365	0.0327	
10/31/16 00:00	30.63	3.88	0.00000366	8145	0.0366			
10/31/16 01:00	30.59	3.92	0.00000365	8145	0.0366			
10/31/16 02:00	30.74	3.88	0.00000367	8145	0.0367			
10/31/16 03:00	30.81	3.86	0.00000368	8145	0.0368			
10/31/16 04:00	30.82	3.84	0.00000368	8145	0.0367			
10/31/16 05:00	30.64	3.73	0.00000366	8145	0.0363			
10/31/16 06:00	30.04	3.92	0.00000359	8145	0.0360			
10/31/16 07:00	29.74	4.04	0.00000355	8145	0.0359			
10/31/16 08:00	30.16	4.02	0.00000360	8145	0.0363			
10/31/16 09:00	30.32	3.96	0.00000362	8145	0.0364			
10/31/16 10:00	31.13	3.92	0.00000372	8145	0.0373			
10/31/16 11:00	31.80	3.90	0.00000380	8145	0.0380			
10/31/16 12:00	32.28	3.95	0.00000385	8145	0.0387			
10/31/16 13:00	32.41	3.90	0.00000387	8145	0.0387			
10/31/16 14:00	33.10	3.93	0.00000395	8145	0.0396			
10/31/16 15:00	33.19	4.06	0.00000396	8145	0.0401			
10/31/16 16:00	33.27	4.13	0.00000397	8145	0.0403			
10/31/16 17:00	32.61	4.14	0.00000389	8145	0.0395			
10/31/16 18:00	31.96	4.15	0.00000382	8145	0.0388			
10/31/16 19:00	31.74	4.26	0.00000379	8145	0.0388			
10/31/16 20:00	31.40	4.40	0.00000375	8145	0.0387			
10/31/16 21:00	30.79	4.41	0.00000368	8145	0.0379			
10/31/16 22:00	30.68	4.39	0.00000366	8145	0.0378			
10/31/16 23:00	30.20	4.40	0.00000361	8145	0.0372	0.0377	0.0328	
11/1/16 00:00	30.10	4.45	0.00000359	8145	0.0372			
11/1/16 01:00	30.12	4.47	0.00000360	8145	0.0372			
11/1/16 02:00	29.93	4.47	0.00000357	8145	0.0370			
11/1/16 03:00	29.95	4.47	0.00000358	8145	0.0371			
11/1/16 04:00	30.00	4.48	0.00000358	8145	0.0371			
11/1/16 05:00	30.04	4.52	0.00000359	8145	0.0373			
11/1/16 06:00	29.99	4.54	0.00000358	8145	0.0373			
11/1/16 07:00	29.99	4.57	0.00000358	8145	0.0373			
11/1/16 08:00	30.06	4.53	0.00000359	8145	0.0373			
11/1/16 09:00	29.94	4.48	0.00000358	8145	0.0371			
11/1/16 10:00	30.07	4.46	0.00000359	8145	0.0372			
11/1/16 11:00	29.85	4.47	0.00000356	8145	0.0369			
11/1/16 12:00	31.25	4.44	0.00000373	8145	0.0386			
11/1/16 13:00	31.47	4.44	0.00000376	8145	0.0389			
11/1/16 14:00	31.36	4.23	0.00000374	8145	0.0382			
11/1/16 15:00	31.15	4.23	0.00000372	8145	0.0380			
11/1/16 16:00	31.30	4.25	0.00000374	8145	0.0382			
11/1/16 17:00	30.53	4.26	0.00000364	8145	0.0373			
11/1/16 18:00	29.98	4.29	0.00000358	8145	0.0367			
11/1/16 19:00	30.10	4.26	0.00000359	8145	0.0368			
11/1/16 20:00	30.38	4.27	0.00000363	8145	0.0371			
11/1/16 21:00	30.32	4.25	0.00000362	8145	0.0370			
11/1/16 22:00	30.42	4.26	0.00000363	8145	0.0372			
11/1/16 23:00	30.32	4.27	0.00000362	8145	0.0370	0.0374	0.0330	
11/2/16 00:00	30.27	4.26	0.00000361	8145	0.0370			
11/2/16 01:00	30.10	4.28	0.00000359	8145	0.0368			
11/2/16 02:00	30.03	4.30	0.00000359	8145	0.0368			
11/2/16 03:00	29.95	4.30	0.00000358	8145	0.0367			
11/2/16 04:00	30.01	4.26	0.00000358	8145	0.0367			

	Boiler B-6 (EPN 3-00, EQT 0048) - NOx							
	NO _x (ppmd)	O ₂ (% vol)	C _d (lb/scf)	F _d (scf/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	Comments
60.49b(g)(1)				60.49b(g)(7)	60.49b(g)(2)	60.49b(g)(3)	60.49b(g)(3)	60.49b(g)(4), 60.49b(g)(5), 60.49b(g)(6), 60.49b(g)(8), 60.49b(g)(9)
DATE/TIME	CEM	CEM	Method 19 Table 19-1	Method 19	Method 19 Eq. 19-1	Daily Average	30-DRA Limit = 0.1	
11/2/16 05:00	29.92	4.28	0.00000357	8145	0.0366			
11/2/16 06:00	29.97	4.31	0.00000358	8145	0.0367			
11/2/16 07:00	29.88	4.35	0.00000357	8145	0.0367			
11/2/16 08:00	30.14	4.34	0.00000360	8145	0.0370			
11/2/16 09:00	30.32	4.33	0.00000362	8145	0.0372			
11/2/16 10:00	30.46	4.33	0.00000364	8145	0.0374			
11/2/16 11:00	30.84	4.25	0.00000368	8145	0.0376			
11/2/16 12:00	30.68	4.25	0.00000366	8145	0.0374			
11/2/16 13:00	30.90	4.20	0.00000369	8145	0.0376			
11/2/16 14:00	31.65	4.12	0.00000378	8145	0.0383			
11/2/16 15:00	31.78	4.14	0.00000379	8145	0.0385			
11/2/16 16:00	31.24	4.15	0.00000373	8145	0.0379			
11/2/16 17:00	30.93	4.16	0.00000369	8145	0.0375			
11/2/16 18:00	30.39	4.20	0.00000363	8145	0.0370			
11/2/16 19:00	30.64	4.18	0.00000366	8145	0.0372			
11/2/16 20:00	30.62	4.22	0.00000366	8145	0.0373			
11/2/16 21:00	30.53	4.25	0.00000365	8145	0.0373			
11/2/16 22:00	30.49	4.24	0.00000364	8145	0.0372			
11/2/16 23:00	30.54	4.23	0.00000365	8145	0.0372	0.0372	0.0333	
11/3/16 00:00	30.49	4.22	0.00000364	8145	0.0372			
11/3/16 01:00	30.26	4.16	0.00000361	8145	0.0367			
11/3/16 02:00	30.42	4.18	0.00000363	8145	0.0370			
11/3/16 03:00	30.24	4.14	0.00000361	8145	0.0367			
11/3/16 04:00	30.20	4.12	0.00000361	8242	0.0370			
11/3/16 05:00	30.14	4.10	0.00000360	8242	0.0369			
11/3/16 06:00	30.35	4.01	0.00000362	8242	0.0370			
11/3/16 07:00	30.23	4.04	0.00000361	8242	0.0369			
11/3/16 08:00	30.21	3.97	0.00000361	8242	0.0367			
11/3/16 09:00	30.33	3.84	0.00000362	8242	0.0366			
11/3/16 10:00	30.50	3.93	0.00000364	8242	0.0370			
11/3/16 11:00	30.96	3.97	0.00000370	8242	0.0376			
11/3/16 12:00	30.84	3.95	0.00000368	8242	0.0374			
11/3/16 13:00	31.32	3.89	0.00000374	8242	0.0379			
11/3/16 14:00	31.76	3.90	0.00000379	8242	0.0384			
11/3/16 15:00	32.01	3.96	0.00000382	8242	0.0389			
11/3/16 16:00	32.38	3.98	0.00000387	8242	0.0394			
11/3/16 17:00	32.40	3.99	0.00000387	8242	0.0394			
11/3/16 18:00	31.64	3.87	0.00000378	8242	0.0382			
11/3/16 19:00	31.21	3.93	0.00000373	8242	0.0378			
11/3/16 20:00	30.99	3.95	0.00000370	8242	0.0376			
11/3/16 21:00	31.19	3.93	0.00000372	8242	0.0378			
11/3/16 22:00	31.37	3.90	0.00000375	8242	0.0380			
11/3/16 23:00	31.16	3.93	0.00000372	8242	0.0378	0.0376	0.0337	
11/4/16 00:00	30.85	3.99	0.00000368	8242	0.0375			
11/4/16 01:00	30.79	4.00	0.00000368	8242	0.0375			
11/4/16 02:00	30.85	3.95	0.00000368	8242	0.0374			
11/4/16 03:00	30.87	3.94	0.00000369	8242	0.0374			
11/4/16 04:00	30.86	3.80	0.00000368	8242	0.0371			
11/4/16 05:00	30.70	3.91	0.00000367	8242	0.0372			
11/4/16 06:00	30.58	3.95	0.00000365	8242	0.0371			
11/4/16 07:00	30.43	3.86	0.00000363	8242	0.0367			
11/4/16 08:00	30.59	3.82	0.00000365	8242	0.0368			
11/4/16 09:00	30.83	3.88	0.00000368	8242	0.0373			
11/4/16 10:00	32.21	3.88	0.00000385	8242	0.0389			
11/4/16 11:00	33.10	3.88	0.00000395	8242	0.0400			
11/4/16 12:00	33.23	3.95	0.00000397	8242	0.0403			
11/4/16 13:00	33.38	3.92	0.00000399	8242	0.0404			
11/4/16 14:00	33.80	3.93	0.00000404	8242	0.0410			
11/4/16 15:00	33.60	3.99	0.00000401	8242	0.0409			
11/4/16 16:00	33.58	4.05	0.00000401	8242	0.0410			
11/4/16 17:00	33.45	4.05	0.00000399	8242	0.0408			
11/4/16 18:00	32.96	4.08	0.00000394	8242	0.0403			
11/4/16 19:00	32.74	4.10	0.00000391	8242	0.0401			
11/4/16 20:00	32.83	4.15	0.00000392	8242	0.0403			
11/4/16 21:00	32.55	4.14	0.00000389	8242	0.0399			
11/4/16 22:00	33.30	4.12	0.00000398	8242	0.0408			
11/4/16 23:00	33.65	4.12	0.00000402	8242	0.0412	0.0391	0.0341	
11/5/16 00:00	33.68	4.14	0.00000402	8242	0.0413			
11/5/16 01:00	33.79	4.14	0.00000403	8242	0.0415			
11/5/16 02:00	33.83	4.13	0.00000404	8242	0.0415			
11/5/16 03:00	33.89	4.16	0.00000405	8242	0.0416			
11/5/16 04:00	33.85	4.13	0.00000404	8242	0.0415			
11/5/16 05:00	33.77	4.19	0.00000403	8242	0.0416			
11/5/16 06:00	33.95	4.17	0.00000405	8242	0.0417			
11/5/16 07:00	33.72	4.19	0.00000403	8242	0.0415			
11/5/16 08:00	33.78	4.18	0.00000403	8242	0.0416			
11/5/16 09:00	33.45	4.17	0.00000399	8242	0.0411			
11/5/16 10:00	33.20	4.17	0.00000396	8242	0.0408			
11/5/16 11:00	33.10	4.15	0.00000395	8242	0.0406			
11/5/16 12:00	32.87	4.16	0.00000392	8242	0.0404			
11/5/16 13:00	32.83	4.17	0.00000392	8242	0.0404			
11/5/16 14:00	32.77	4.15	0.00000391	8242	0.0402			
11/5/16 15:00	32.50	4.16	0.00000388	8242	0.0399			
11/5/16 16:00	32.27	4.14	0.00000385	8242	0.0396			
11/5/16 17:00	32.44	4.18	0.00000387	8242	0.0399			
11/5/16 18:00	32.80	4.17	0.00000392	8242	0.0403			

	Boiler B-6 (EPN 3-00, EQT 0048) - NOx							
	NO _x (ppmd)	O ₂ (% vol)	C _d (lb/scf)	F _d (scf/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	Comments
60.49b(g)(1)				60.49b(g)(7)	60.49b(g)(2)	60.49b(g)(3)	60.49b(g)(3)	60.49b(g)(4), 60.49b(g)(5), 60.49b(g)(6), 60.49b(g)(8), 60.49b(g)(9)
DATE/TIME	CEM	CEM	Method 19 Table 19-1	Method 19	Method 19 Eq. 19-1	Daily Average	30-DRA Limit = 0.1	
11/5/16 19:00	32.93	4.17	0.00000393	8242	0.0405			
11/5/16 20:00	33.10	4.15	0.00000395	8242	0.0406			
11/5/16 21:00	33.26	4.14	0.00000397	8242	0.0408			
11/5/16 22:00	33.43	4.17	0.00000399	8242	0.0411			
11/5/16 23:00	33.56	4.17	0.00000401	8242	0.0413	0.0409	0.0345	
11/6/16 00:00	33.47	4.18	0.00000400	8242	0.0412			
11/6/16 01:00	33.69	4.15	0.00000402	8242	0.0414			
11/6/16 01:00	33.70	4.18	0.00000402	8242	0.0415			
11/6/16 02:00	33.39	4.24	0.00000399	8242	0.0412			
11/6/16 03:00	33.58	4.23	0.00000401	8242	0.0414			
11/6/16 04:00	33.50	4.22	0.00000400	8242	0.0413			
11/6/16 05:00	33.75	4.25	0.00000403	8242	0.0417			
11/6/16 06:00	33.83	4.23	0.00000404	8242	0.0418			
11/6/16 07:00	33.75	4.17	0.00000403	8242	0.0415			
11/6/16 08:00	34.14	4.13	0.00000408	8242	0.0419			
11/6/16 09:00	34.62	4.14	0.00000413	8242	0.0425			
11/6/16 10:00	34.86	4.11	0.00000416	8242	0.0427			
11/6/16 11:00	35.17	4.13	0.00000420	8242	0.0431			
11/6/16 12:00	35.45	4.14	0.00000423	8242	0.0435			
11/6/16 13:00	35.12	4.11	0.00000419	8242	0.0430			
11/6/16 14:00	35.39	4.10	0.00000423	8242	0.0433			
11/6/16 15:00	35.06	4.05	0.00000419	8242	0.0428			
11/6/16 16:00	35.19	3.98	0.00000420	8242	0.0428			
11/6/16 17:00	35.16	3.94	0.00000420	8242	0.0426			
11/6/16 18:00	34.83	3.92	0.00000416	8242	0.0422			
11/6/16 19:00	34.49	3.91	0.00000412	8242	0.0417			
11/6/16 20:00	34.53	3.91	0.00000412	8242	0.0418			
11/6/16 21:00	34.94	3.93	0.00000417	8242	0.0424			
11/6/16 22:00	34.81	3.87	0.00000416	8242	0.0420			
11/6/16 23:00	34.56	3.98	0.00000413	8242	0.0420	0.0422	0.0349	
11/7/16 00:00	34.59	3.94	0.00000413	8242	0.0420			
11/7/16 01:00	34.51	3.92	0.00000412	8242	0.0418			
11/7/16 02:00	33.99	3.88	0.00000406	8242	0.0411			
11/7/16 03:00	33.81	3.99	0.00000404	8242	0.0411			
11/7/16 04:00	34.01	3.96	0.00000406	8242	0.0413			
11/7/16 05:00	33.70	4.03	0.00000402	8242	0.0411			
11/7/16 06:00	33.55	3.96	0.00000401	8242	0.0407			
11/7/16 07:00	33.39	3.91	0.00000399	8242	0.0404			
11/7/16 08:00	32.92	4.05	0.00000393	8242	0.0402			
11/7/16 09:00	33.03	4.02	0.00000394	8242	0.0402			
11/7/16 10:00	33.17	3.99	0.00000396	8242	0.0403			
11/7/16 11:00	33.15	4.06	0.00000396	8242	0.0405			
11/7/16 12:00	32.68	4.03	0.00000390	8242	0.0398			
11/7/16 13:00	32.54	3.98	0.00000388	8242	0.0395			
11/7/16 14:00	32.38	3.91	0.00000387	8242	0.0392			
11/7/16 15:00	32.20	3.67	0.00000384	8242	0.0384			
11/7/16 16:00	32.50	3.80	0.00000388	8242	0.0391			
11/7/16 17:00	32.27	3.74	0.00000385	8242	0.0387			
11/7/16 18:00	32.63	3.87	0.00000390	8242	0.0394			
11/7/16 19:00	32.55	3.90	0.00000389	8242	0.0394			
11/7/16 20:00	32.84	3.90	0.00000392	8242	0.0397			
11/7/16 21:00	33.03	3.88	0.00000394	8242	0.0399			
11/7/16 22:00	32.90	3.88	0.00000393	8242	0.0398			
11/7/16 23:00	32.89	3.89	0.00000393	8242	0.0398	0.0401	0.0352	
11/8/16 00:00	33.31	3.83	0.00000398	8242	0.0401			
11/8/16 01:00	33.49	3.80	0.00000400	8242	0.0403			
11/8/16 02:00	33.30	3.86	0.00000398	8242	0.0402			
11/8/16 03:00	33.14	3.90	0.00000396	8242	0.0401			
11/8/16 04:00	33.02	3.94	0.00000394	8242	0.0400			
11/8/16 05:00	32.98	3.95	0.00000394	8242	0.0400			
11/8/16 06:00	33.13	3.90	0.00000396	8242	0.0401			
11/8/16 07:00	33.04	3.88	0.00000394	8242	0.0399			
11/8/16 08:00	33.27	3.71	0.00000397	8242	0.0398			
11/8/16 09:00	31.89	3.25	0.00000381	8242	0.0372			
11/8/16 10:00	29.97	3.76	0.00000358	8242	0.0360			
11/8/16 11:00	29.95	3.71	0.00000358	8242	0.0358			
11/8/16 12:00	29.98	3.62	0.00000358	8242	0.0357			
11/8/16 13:00	30.00	3.61	0.00000358	8242	0.0357			
11/8/16 14:00	30.00	3.64	0.00000358	8242	0.0358			
11/8/16 15:00	30.02	3.59	0.00000358	8242	0.0357			
11/8/16 16:00	30.05	3.63	0.00000359	8242	0.0358			
11/8/16 17:00	29.96	3.73	0.00000358	8242	0.0359			
11/8/16 18:00	30.05	3.70	0.00000359	8242	0.0359			
11/8/16 19:00	30.01	3.76	0.00000358	8242	0.0360			
11/8/16 20:00	30.10	3.44	0.00000359	8242	0.0355			
11/8/16 21:00	30.08	3.38	0.00000359	8242	0.0353			
11/8/16 22:00	29.96	3.66	0.00000358	8242	0.0357			
11/8/16 23:00	30.01	3.74	0.00000358	8242	0.0360	0.0374	0.0353	
11/9/16 00:00	30.12	3.75	0.00000360	8242	0.0361			
11/9/16 01:00	30.07	3.77	0.00000359	8242	0.0361			
11/9/16 02:00	30.01	3.84	0.00000358	8242	0.0362			
11/9/16 03:00	30.06	3.83	0.00000359	8242	0.0362			
11/9/16 04:00	30.11	3.70	0.00000359	8242	0.0360			
11/9/16 05:00	30.29	3.71	0.00000362	8242	0.0362			
11/9/16 06:00	30.33	3.77	0.00000362	8242	0.0364			
11/9/16 07:00	30.55	3.78	0.00000365	8242	0.0367			

	Boiler B-6 (EPN 3-00, EQT 0048) - NOx							
	NO _x (ppmd)	O ₂ (% vol)	C _d (lb/scf)	F _d (scf/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	Comments
60.49b(g)(1)				60.49b(g)(7)	60.49b(g)(2)	60.49b(g)(3)	60.49b(g)(3)	60.49b(g)(4), 60.49b(g)(5), 60.49b(g)(6), 60.49b(g)(8), 60.49b(g)(9)
DATE/TIME	CEM	CEM	Method 19 Table 19-1	Method 19	Method 19 Eq. 19-1	Daily Average	30-DRA Limit = 0.1	
11/9/16 08:00	30.72	3.79	0.00000367	8242	0.0369			
11/9/16 09:00	30.44	3.77	0.00000363	8242	0.0365			
11/9/16 10:00	30.46	3.80	0.00000364	8242	0.0366			
11/9/16 11:00	30.42	3.83	0.00000363	8242	0.0366			
11/9/16 12:00	29.99	3.73	0.00000358	8242	0.0359			
11/9/16 13:00	30.14	3.68	0.00000360	8242	0.0360			
11/9/16 14:00	30.47	3.63	0.00000364	8242	0.0363			
11/9/16 15:00	30.49	3.63	0.00000364	8242	0.0363			
11/9/16 16:00	30.22	3.69	0.00000361	8242	0.0361			
11/9/16 17:00	30.08	3.70	0.00000359	8242	0.0360			
11/9/16 18:00	30.21	3.79	0.00000361	8242	0.0363			
11/9/16 19:00	30.19	3.81	0.00000360	8242	0.0363			
11/9/16 20:00	30.29	3.79	0.00000362	8242	0.0364			
11/9/16 21:00	30.23	3.76	0.00000361	8242	0.0363			
11/9/16 22:00	30.03	3.75	0.00000359	8242	0.0360			
11/9/16 23:00	30.22	3.77	0.00000361	8242	0.0363	0.0363	0.0355	
11/10/16 00:00	30.16	3.71	0.00000360	8242	0.0361			
11/10/16 01:00	29.93	3.65	0.00000357	8242	0.0357			
11/10/16 02:00	30.13	3.65	0.00000360	8242	0.0359			
11/10/16 03:00	29.94	3.56	0.00000358	8242	0.0355			
11/10/16 04:00	30.01	3.55	0.00000358	8242	0.0356			
11/10/16 05:00	29.96	3.56	0.00000358	8242	0.0355			
11/10/16 06:00	30.32	3.55	0.00000362	8242	0.0359			
11/10/16 07:00	30.04	3.54	0.00000359	8242	0.0356			
11/10/16 08:00	29.94	3.64	0.00000357	8242	0.0357			
11/10/16 09:00	29.90	3.61	0.00000357	8242	0.0356			
11/10/16 10:00	29.95	3.91	0.00000358	8242	0.0363			
11/10/16 11:00	30.08	3.65	0.00000359	8242	0.0359			
11/10/16 12:00	30.09	3.64	0.00000359	8242	0.0359			
11/10/16 13:00	30.11	3.51	0.00000360	8242	0.0356			
11/10/16 14:00	30.12	3.13	0.00000360	8242	0.0349			
11/10/16 15:00	31.10	3.30	0.00000371	8242	0.0363			
11/10/16 16:00	32.50	3.52	0.00000388	8242	0.0384			
11/10/16 17:00	31.89	3.40	0.00000381	8242	0.0375			
11/10/16 18:00	32.01	3.47	0.00000382	8242	0.0378			
11/10/16 19:00	31.97	3.43	0.00000382	8242	0.0376			
11/10/16 20:00	31.69	3.38	0.00000378	8242	0.0372			
11/10/16 21:00	31.81	3.37	0.00000380	8242	0.0373			
11/10/16 22:00	31.87	3.50	0.00000381	8242	0.0377			
11/10/16 23:00	31.97	3.53	0.00000382	8242	0.0379	0.0364	0.0357	
11/11/16 00:00	31.87	3.56	0.00000381	8242	0.0378			
11/11/16 01:00	31.64	3.56	0.00000378	8242	0.0375			
11/11/16 02:00	31.84	3.56	0.00000380	8242	0.0378			
11/11/16 03:00	31.85	3.54	0.00000380	8242	0.0377			
11/11/16 04:00	32.01	3.54	0.00000382	8242	0.0379			
11/11/16 05:00	31.97	3.42	0.00000382	8242	0.0376			
11/11/16 06:00	32.20	3.47	0.00000384	8242	0.0380			
11/11/16 07:00	32.15	3.39	0.00000384	8242	0.0378			
11/11/16 08:00	33.18	3.41	0.00000396	8084	0.0383			
11/11/16 09:00	33.51	3.15	0.00000400	8084	0.0381			
11/11/16 10:00	33.72	3.11	0.00000403	8084	0.0382			
11/11/16 11:00	34.38	3.02	0.00000410	8084	0.0388			
11/11/16 12:00	34.52	2.99	0.00000412	8084	0.0389			
11/11/16 13:00	34.65	3.01	0.00000414	8084	0.0391			
11/11/16 14:00	34.66	3.04	0.00000414	8084	0.0392			
11/11/16 15:00	34.58	3.05	0.00000413	8084	0.0391			
11/11/16 16:00	34.39	3.08	0.00000411	8084	0.0389			
11/11/16 17:00	34.51	3.02	0.00000412	8084	0.0389			
11/11/16 18:00	34.65	3.07	0.00000414	8084	0.0392			
11/11/16 19:00	34.83	3.04	0.00000416	8084	0.0393			
11/11/16 20:00	34.85	3.08	0.00000416	8084	0.0394			
11/11/16 21:00	34.70	3.05	0.00000414	8084	0.0392			
11/11/16 22:00	34.60	3.07	0.00000413	8084	0.0392			
11/11/16 23:00	34.32	3.09	0.00000410	8084	0.0389	0.0385	0.0359	
11/12/16 00:00	34.33	3.08	0.00000410	8084	0.0389			
11/12/16 01:00	34.25	3.07	0.00000409	8084	0.0388			
11/12/16 02:00	34.45	3.08	0.00000411	8084	0.0390			
11/12/16 03:00	34.30	3.15	0.00000410	8084	0.0390			
11/12/16 04:00	34.41	3.11	0.00000411	8084	0.0390			
11/12/16 05:00	34.37	3.13	0.00000410	8084	0.0390			
11/12/16 06:00	34.24	3.15	0.00000409	8084	0.0389			
11/12/16 07:00	34.59	3.12	0.00000413	8084	0.0393			
11/12/16 08:00	34.96	3.13	0.00000417	8084	0.0397			
11/12/16 09:00	35.18	3.18	0.00000420	8084	0.0401			
11/12/16 10:00	35.59	3.16	0.00000425	8084	0.0405			
11/12/16 11:00	35.74	3.14	0.00000427	8084	0.0406			
11/12/16 12:00	36.05	3.10	0.00000430	8084	0.0409			
11/12/16 13:00	36.14	3.06	0.00000432	8084	0.0409			
11/12/16 14:00	36.38	3.06	0.00000434	8084	0.0411			
11/12/16 15:00	36.38	3.01	0.00000434	8084	0.0410			
11/12/16 16:00	36.16	3.05	0.00000432	8084	0.0409			
11/12/16 17:00	35.66	3.07	0.00000426	8084	0.0403			
11/12/16 18:00	35.06	3.06	0.00000419	8084	0.0396			
11/12/16 19:00	35.07	3.08	0.00000419	8084	0.0397			
11/12/16 20:00	35.42	3.04	0.00000423	8084	0.0400			
11/12/16 21:00	35.39	3.05	0.00000423	8084	0.0400			

	Boiler B-6 (EPN 3-00, EQT 0048) - NOx							
	NO _x (ppmd)	O ₂ (% vol)	C _d (lb/scf)	F _d (scf/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	Comments
60.49b(g)(1)				60.49b(g)(7)	60.49b(g)(2)	60.49b(g)(3)	60.49b(g)(3)	60.49b(g)(4), 60.49b(g)(5), 60.49b(g)(6), 60.49b(g)(8), 60.49b(g)(9)
DATE/TIME	CEM	CEM	Method 19 Table 19-1	Method 19	Method 19 Eq. 19-1	Daily Average	30-DRA Limit = 0.1	
11/12/16 22:00	35.22	3.00	0.00000421	8084	0.0397			
11/12/16 23:00	35.25	3.02	0.00000421	8084	0.0398	0.0399	0.0362	
11/13/16 00:00	35.09	3.03	0.00000419	8084	0.0396			
11/13/16 01:00	35.05	3.01	0.00000419	8084	0.0395			
11/13/16 02:00	35.19	3.04	0.00000420	8084	0.0398			
11/13/16 03:00	35.20	3.02	0.00000420	8084	0.0397			
11/13/16 04:00	35.06	3.04	0.00000419	8084	0.0396			
11/13/16 05:00	35.07	3.03	0.00000419	8084	0.0396			
11/13/16 06:00	35.24	2.99	0.00000421	8084	0.0397			
11/13/16 07:00	35.13	3.05	0.00000419	8084	0.0397			
11/13/16 08:00	35.24	3.10	0.00000421	8084	0.0399			
11/13/16 09:00	35.63	3.09	0.00000425	8084	0.0404			
11/13/16 10:00	35.97	3.06	0.00000429	8084	0.0407			
11/13/16 11:00	36.04	3.06	0.00000430	8084	0.0408			
11/13/16 12:00	35.98	3.04	0.00000430	8084	0.0406			
11/13/16 13:00	36.41	3.02	0.00000435	8084	0.0411			
11/13/16 14:00	36.34	2.99	0.00000434	8084	0.0409			
11/13/16 15:00	36.35	3.04	0.00000434	8084	0.0411			
11/13/16 16:00	36.35	3.00	0.00000434	8084	0.0410			
11/13/16 17:00	36.35	3.00	0.00000434	8084	0.0410			
11/13/16 18:00	36.13	3.02	0.00000431	8084	0.0408			
11/13/16 19:00	35.77	3.02	0.00000427	8084	0.0404			
11/13/16 20:00	35.60	3.03	0.00000425	8084	0.0402			
11/13/16 21:00	35.78	3.01	0.00000427	8084	0.0403			
11/13/16 22:00	36.02	3.03	0.00000430	8084	0.0407			
11/13/16 23:00	36.02	2.99	0.00000430	8084	0.0406	0.0403	0.0365	
11/14/16 00:00	36.02	3.03	0.00000430	8084	0.0407			
11/14/16 01:00	35.86	2.99	0.00000428	8084	0.0404			
11/14/16 02:00	35.74	3.00	0.00000427	8084	0.0403			
11/14/16 03:00	35.60	2.99	0.00000425	8084	0.0401			
11/14/16 04:00	35.43	2.89	0.00000423	8084	0.0397			
11/14/16 05:00	35.54	2.84	0.00000424	8084	0.0397			
11/14/16 06:00	35.76	2.78	0.00000427	8084	0.0398			
11/14/16 07:00	35.79	2.76	0.00000427	8084	0.0398			
11/14/16 08:00	35.73	2.82	0.00000427	8084	0.0399			
11/14/16 09:00	35.90	2.84	0.00000429	8084	0.0401			
11/14/16 10:00	36.60	2.86	0.00000437	8084	0.0409			
11/14/16 11:00	36.98	2.87	0.00000442	8084	0.0414			
11/14/16 12:00	37.30	2.85	0.00000445	8084	0.0417			
11/14/16 13:00	37.57	2.83	0.00000449	8084	0.0419			
11/14/16 14:00	37.71	2.80	0.00000450	8084	0.0420			
11/14/16 15:00	37.51	2.78	0.00000448	8084	0.0418			
11/14/16 16:00	37.60	2.80	0.00000449	8084	0.0419			
11/14/16 17:00	37.64	2.82	0.00000449	8084	0.0420			
11/14/16 18:00	36.74	2.89	0.00000439	8084	0.0412			
11/14/16 19:00	37.13	2.73	0.00000443	8084	0.0412			
11/14/16 20:00	38.48	2.79	0.00000459	8084	0.0429			
11/14/16 21:00	38.23	2.72	0.00000456	8084	0.0424			
11/14/16 22:00	37.85	2.84	0.00000452	8084	0.0423			
11/14/16 23:00	37.08	2.82	0.00000443	8084	0.0414	0.0411	0.0368	
11/15/16 00:00	36.68	2.81	0.00000438	8084	0.0409			
11/15/16 01:00	36.46	2.84	0.00000435	8084	0.0407			
11/15/16 02:00	36.36	2.78	0.00000434	8084	0.0405			
11/15/16 03:00	36.43	2.79	0.00000435	8084	0.0406			
11/15/16 04:00	36.55	2.84	0.00000436	8084	0.0408			
11/15/16 05:00	36.63	2.86	0.00000437	8084	0.0410			
11/15/16 06:00	36.99	2.83	0.00000442	8084	0.0413			
11/15/16 07:00	35.89	2.62	0.00000429	8084	0.0396			
11/15/16 08:00	32.10	2.84	0.00000383	8084	0.0359			
11/15/16 09:00	32.94	2.82	0.00000393	8084	0.0367			
11/15/16 10:00	33.62	2.85	0.00000401	8084	0.0376			
11/15/16 11:00	34.24	2.82	0.00000409	8084	0.0382			
11/15/16 12:00	34.14	2.78	0.00000408	8084	0.0380			
11/15/16 13:00	33.32	2.81	0.00000398	8084	0.0372			
11/15/16 14:00	34.10	2.80	0.00000407	8084	0.0380			
11/15/16 15:00	34.46	2.85	0.00000411	8084	0.0385			
11/15/16 16:00	33.96	2.84	0.00000405	8084	0.0379			
11/15/16 17:00	33.24	2.83	0.00000397	8084	0.0371			
11/15/16 18:00	32.43	2.90	0.00000387	8084	0.0363			
11/15/16 19:00	31.82	2.91	0.00000380	8084	0.0357			
11/15/16 20:00	31.20	2.84	0.00000372	8084	0.0349			
11/15/16 21:00	30.56	2.80	0.00000365	8084	0.0341			
11/15/16 22:00	30.47	2.83	0.00000364	8084	0.0340			
11/15/16 23:00	30.03	2.78	0.00000359	8084	0.0334	0.0379	0.0370	
11/16/16 00:00	30.05	2.79	0.00000359	8084	0.0335			
11/16/16 01:00	30.21	2.76	0.00000361	8084	0.0336			
11/16/16 02:00	30.34	2.78	0.00000362	8084	0.0338			
11/16/16 03:00	30.18	2.82	0.00000360	8084	0.0337			
11/16/16 04:00	30.36	2.74	0.00000362	8084	0.0337			
11/16/16 05:00	30.53	2.80	0.00000365	8084	0.0340			
11/16/16 06:00	30.81	2.77	0.00000368	8084	0.0343			
11/16/16 07:00	30.70	2.72	0.00000367	8084	0.0341			
11/16/16 08:00	31.40	2.83	0.00000375	8084	0.0351			
11/16/16 09:00	32.40	2.92	0.00000387	8084	0.0364			
11/16/16 10:00			0.00000000	8084	0.0000			CEMS shutdown for maintenance.
11/16/16 11:00			0.00000000	8084	0.0000			NOx lamp replaced.

	Boiler B-6 (EPN 3-00, EQT 0048) - NOx							
	NO _x (ppmd)	O ₂ (% vol)	C _d (lb/scf)	F _d (scf/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	Comments
60.49b(g)(1)				60.49b(g)(7)	60.49b(g)(2)	60.49b(g)(3)	60.49b(g)(3)	60.49b(g)(4), 60.49b(g)(5), 60.49b(g)(6), 60.49b(g)(8), 60.49b(g)(9)
DATE/TIME	CEM	CEM	Method 19 Table 19-1	Method 19	Method 19 Eq. 19-1	Daily Average	30-DRA Limit = 0.1	
11/16/16 12:00			0.00000000	8084	0.0000			
11/16/16 13:00	33.73	2.62	0.00000403	8084	0.0372			
11/16/16 14:00	34.49	2.87	0.00000412	8084	0.0386			
11/16/16 15:00	34.53	2.88	0.00000412	8084	0.0387			
11/16/16 16:00	34.17	2.94	0.00000408	8084	0.0384			
11/16/16 17:00	33.49	2.89	0.00000400	8084	0.0375			
11/16/16 18:00	32.41	2.89	0.00000387	8084	0.0363			
11/16/16 19:00	31.75	2.89	0.00000379	8084	0.0356			
11/16/16 20:00	31.15	2.91	0.00000372	8084	0.0349			
11/16/16 21:00	31.27	2.97	0.00000373	8084	0.0352			
11/16/16 22:00	31.19	3.16	0.00000372	8084	0.0355			
11/16/16 23:00	30.53	3.06	0.00000365	8084	0.0345	0.0310	0.0369	
11/17/16 00:00	30.05	3.06	0.00000359	8084	0.0340			
11/17/16 01:00	30.32	3.06	0.00000362	8084	0.0343			
11/17/16 02:00	30.30	3.22	0.00000362	8084	0.0346			
11/17/16 03:00	30.28	3.54	0.00000362	8084	0.0352			
11/17/16 04:00	29.69	2.68	0.00000354	8084	0.0329			
11/17/16 05:00	29.89	2.64	0.00000357	8084	0.0330			
11/17/16 06:00	30.02	2.74	0.00000358	8084	0.0333			
11/17/16 07:00	30.07	3.27	0.00000359	8084	0.0344			
11/17/16 08:00	29.97	3.15	0.00000358	8084	0.0341			
11/17/16 09:00	30.00	3.22	0.00000358	8084	0.0342			
11/17/16 10:00	30.01	3.09	0.00000358	8084	0.0340			
11/17/16 11:00	30.01	3.46	0.00000358	8084	0.0347			
11/17/16 12:00	29.90	3.37	0.00000357	8084	0.0344			
11/17/16 13:00	29.95	3.48	0.00000358	8084	0.0347			
11/17/16 14:00	29.87	3.73	0.00000357	8084	0.0351			
11/17/16 15:00	29.79	3.67	0.00000356	8084	0.0349			
11/17/16 16:00	30.19	3.95	0.00000360	8084	0.0359			
11/17/16 17:00	30.08	3.71	0.00000359	8084	0.0353			
11/17/16 18:00	29.85	3.83	0.00000356	8084	0.0353			
11/17/16 19:00	29.97	3.61	0.00000358	8084	0.0350			
11/17/16 20:00	29.99	3.67	0.00000358	8084	0.0351			
11/17/16 21:00	30.05	3.88	0.00000359	8084	0.0356			
11/17/16 22:00	29.97	3.81	0.00000358	8084	0.0354			
11/17/16 23:00	29.17	3.63	0.00000348	8084	0.0341	0.0346	0.0370	
11/18/16 00:00	25.88	4.06	0.00000309	8084	0.0310			
11/18/16 01:00	26.77	4.09	0.00000320	8084	0.0321			
11/18/16 02:00	26.74	4.08	0.00000319	8084	0.0321			
11/18/16 03:00	26.83	4.08	0.00000320	8084	0.0322			
11/18/16 04:00	26.21	4.09	0.00000313	8084	0.0315			
11/18/16 05:00	25.31	4.19	0.00000302	8084	0.0306			
11/18/16 06:00	25.84	4.18	0.00000309	8084	0.0312			
11/18/16 07:00	27.07	4.06	0.00000323	8084	0.0324			
11/18/16 08:00	26.86	4.14	0.00000321	8084	0.0323			
11/18/16 09:00	26.96	4.15	0.00000322	8084	0.0325			
11/18/16 10:00	27.24	4.16	0.00000325	8084	0.0328			
11/18/16 11:00	27.26	4.15	0.00000325	8084	0.0328			
11/18/16 12:00	26.42	4.16	0.00000315	8084	0.0318			
11/18/16 13:00	26.18	4.18	0.00000313	8084	0.0316			
11/18/16 14:00	26.02	4.18	0.00000311	8084	0.0314			
11/18/16 15:00	25.93	4.18	0.00000310	8084	0.0313			
11/18/16 16:00	25.75	4.17	0.00000308	8084	0.0311			
11/18/16 17:00	25.88	4.19	0.00000309	8084	0.0312			
11/18/16 18:00	27.30	4.15	0.00000326	8084	0.0329			
11/18/16 19:00	27.30	4.05	0.00000326	8084	0.0327			
11/18/16 20:00	27.27	3.98	0.00000326	8084	0.0325			
11/18/16 21:00	27.11	3.99	0.00000324	8084	0.0323			
11/18/16 22:00	27.03	3.96	0.00000323	8084	0.0322			
11/18/16 23:00	26.96	3.96	0.00000322	8084	0.0321	0.0319	0.0371	
11/19/16 00:00	26.92	3.95	0.00000321	8084	0.0320			
11/19/16 01:00	27.32	3.85	0.00000326	8084	0.0323			
11/19/16 02:00	27.85	3.76	0.00000333	8084	0.0328			
11/19/16 03:00	29.00	3.71	0.00000346	8084	0.0340			
11/19/16 04:00	29.75	3.67	0.00000355	8084	0.0348			
11/19/16 05:00	30.11	3.62	0.00000360	8084	0.0351			
11/19/16 06:00	30.01	3.57	0.00000358	8084	0.0349			
11/19/16 07:00	30.00	3.66	0.00000358	8084	0.0351			
11/19/16 08:00	30.21	3.52	0.00000361	8084	0.0351			
11/19/16 09:00	29.98	3.56	0.00000358	8084	0.0349			
11/19/16 10:00	29.82	3.87	0.00000356	8084	0.0353			
11/19/16 11:00	30.07	4.21	0.00000359	8084	0.0363			
11/19/16 12:00	30.00	4.24	0.00000358	8084	0.0363			
11/19/16 13:00	30.01	4.17	0.00000358	8084	0.0362			
11/19/16 14:00	30.06	4.22	0.00000359	8084	0.0364			
11/19/16 15:00	29.94	4.22	0.00000358	8084	0.0362			
11/19/16 16:00	30.00	4.24	0.00000358	8084	0.0363			
11/19/16 17:00	30.00	4.27	0.00000358	8084	0.0364			
11/19/16 18:00	29.99	4.26	0.00000358	8084	0.0363			
11/19/16 19:00	29.94	4.23	0.00000358	8084	0.0362			
11/19/16 20:00	29.97	4.22	0.00000358	8084	0.0363			
11/19/16 21:00	29.99	4.20	0.00000358	8084	0.0362			
11/19/16 22:00	29.95	4.19	0.00000358	8084	0.0362			
11/19/16 23:00	29.98	4.17	0.00000358	8084	0.0362	0.0353	0.0371	
11/20/16 00:00	29.74	4.25	0.00000355	8084	0.0360			
11/20/16 01:00	29.43	4.21	0.00000351	8084	0.0356			

	Boiler B-6 (EPN 3-00, EQT 0048) - NOx							
	NO _x (ppmd)	O ₂ (% vol)	C _d (lb/scf)	F _d (scf/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	Comments
60.49b(g)(1)				60.49b(g)(7)	60.49b(g)(2)	60.49b(g)(3)	60.49b(g)(3)	60.49b(g)(4), 60.49b(g)(5), 60.49b(g)(6), 60.49b(g)(8), 60.49b(g)(9)
DATE/TIME	CEM	CEM	Method 19 Table 19-1	Method 19	Method 19 Eq. 19-1	Daily Average	30-DRA Limit = 0.1	
11/20/16 02:00	28.68	4.35	0.00000342	8084	0.0350			
11/20/16 03:00	28.69	4.35	0.00000343	8084	0.0350			
11/20/16 04:00	28.71	4.32	0.00000343	8084	0.0349			
11/20/16 05:00	28.67	4.33	0.00000342	8084	0.0349			
11/20/16 06:00	28.54	4.32	0.00000341	8084	0.0347			
11/20/16 07:00	28.48	4.23	0.00000340	8084	0.0345			
11/20/16 08:00	28.70	4.31	0.00000343	8084	0.0349			
11/20/16 09:00	28.77	4.35	0.00000344	8084	0.0351			
11/20/16 10:00	28.40	4.34	0.00000339	8084	0.0346			
11/20/16 11:00	28.29	4.32	0.00000338	8084	0.0344			
11/20/16 12:00	28.26	4.21	0.00000337	8084	0.0342			
11/20/16 13:00	28.77	4.12	0.00000344	8084	0.0346			
11/20/16 14:00	28.92	4.07	0.00000345	8084	0.0347			
11/20/16 15:00	29.20	4.12	0.00000349	8084	0.0351			
11/20/16 16:00	29.12	4.19	0.00000348	8084	0.0352			
11/20/16 17:00	28.94	4.21	0.00000346	8084	0.0350			
11/20/16 18:00	28.87	4.20	0.00000345	8084	0.0349			
11/20/16 19:00	28.73	4.22	0.00000343	8084	0.0347			
11/20/16 20:00	28.27	4.22	0.00000338	8084	0.0342			
11/20/16 21:00	27.75	4.22	0.00000331	8084	0.0336			
11/20/16 22:00	27.69	4.25	0.00000331	8084	0.0335			
11/20/16 23:00	27.21	4.30	0.00000325	8084	0.0331	0.0347	0.0371	
11/21/16 00:00	26.86	4.28	0.00000321	8084	0.0326			
11/21/16 01:00	26.78	4.30	0.00000320	8084	0.0325			
11/21/16 02:00	27.25	4.25	0.00000325	8084	0.0330			
11/21/16 03:00	27.53	4.21	0.00000329	8084	0.0333			
11/21/16 04:00	27.38	4.21	0.00000327	8084	0.0331			
11/21/16 05:00	27.38	4.16	0.00000327	8084	0.0330			
11/21/16 06:00	27.32	4.17	0.00000326	8084	0.0329			
11/21/16 07:00	27.09	4.20	0.00000323	8084	0.0327			
11/21/16 08:00	27.02	4.22	0.00000323	8084	0.0327			
11/21/16 09:00	27.87	4.13	0.00000333	8084	0.0335			
11/21/16 10:00	27.98	4.22	0.00000334	8084	0.0338			
11/21/16 11:00	28.32	4.24	0.00000338	8084	0.0343			
11/21/16 12:00	28.34	4.25	0.00000338	8084	0.0343			
11/21/16 13:00	28.07	4.25	0.00000335	8084	0.0340			
11/21/16 14:00	28.12	4.22	0.00000336	8084	0.0340			
11/21/16 15:00	28.32	4.20	0.00000338	8084	0.0342			
11/21/16 16:00	28.03	4.22	0.00000335	8084	0.0339			
11/21/16 17:00	27.96	4.24	0.00000334	8084	0.0339			
11/21/16 18:00	27.60	4.25	0.00000330	8084	0.0334			
11/21/16 19:00	27.16	4.26	0.00000324	8084	0.0329			
11/21/16 20:00	26.97	4.22	0.00000322	8084	0.0326			
11/21/16 21:00	26.70	4.26	0.00000319	8084	0.0324			
11/21/16 22:00	26.57	4.24	0.00000317	8084	0.0322			
11/21/16 23:00	26.63	4.22	0.00000318	8084	0.0322	0.0332	0.0371	
11/22/16 00:00	26.82	4.21	0.00000320	8084	0.0324			
11/22/16 01:00	26.68	4.21	0.00000319	8084	0.0322			
11/22/16 02:00	26.77	4.18	0.00000320	8084	0.0323			
11/22/16 03:00	26.87	4.17	0.00000321	8084	0.0324			
11/22/16 04:00	27.02	4.14	0.00000323	8084	0.0325			
11/22/16 05:00	26.87	4.15	0.00000321	8084	0.0324			
11/22/16 06:00	27.17	4.18	0.00000324	8084	0.0328			
11/22/16 07:00	26.94	4.13	0.00000322	8084	0.0324			
11/22/16 08:00	26.32	4.20	0.00000314	8084	0.0318			
11/22/16 09:00	26.17	4.19	0.00000313	8084	0.0316			
11/22/16 10:00	26.26	4.18	0.00000314	8084	0.0317			
11/22/16 11:00	26.29	4.12	0.00000314	8084	0.0316			
11/22/16 12:00	26.13	4.15	0.00000312	8084	0.0315			
11/22/16 13:00	26.19	4.15	0.00000313	8084	0.0315			
11/22/16 14:00	25.97	4.20	0.00000310	8084	0.0314			
11/22/16 15:00	26.04	4.21	0.00000311	8084	0.0315			
11/22/16 16:00	26.00	4.23	0.00000310	8084	0.0315			
11/22/16 17:00	25.97	4.24	0.00000310	8084	0.0314			
11/22/16 18:00	26.14	4.20	0.00000312	8084	0.0316			
11/22/16 19:00	25.75	4.20	0.00000307	8084	0.0311			
11/22/16 20:00	25.72	4.14	0.00000307	8084	0.0310			
11/22/16 21:00	25.78	3.99	0.00000308	8084	0.0308			
11/22/16 22:00	26.17	3.76	0.00000312	8084	0.0308			
11/22/16 23:00	25.02	3.52	0.00000299	8084	0.0290	0.0316	0.0369	
11/23/16 00:00	25.09	3.55	0.00000300	8084	0.0292			
11/23/16 01:00	26.42	3.27	0.00000315	8084	0.0302			
11/23/16 02:00	26.52	3.24	0.00000317	8084	0.0303			
11/23/16 03:00	26.89	3.11	0.00000321	8084	0.0305			
11/23/16 04:00	27.53	3.12	0.00000329	8084	0.0312			
11/23/16 05:00	27.99	2.96	0.00000334	8084	0.0315			
11/23/16 06:00	28.86	2.70	0.00000345	8084	0.0320			
11/23/16 07:00	28.33	2.95	0.00000338	8084	0.0318			
11/23/16 08:00	28.08	3.01	0.00000335	8084	0.0317			
11/23/16 09:00	27.23	3.33	0.00000325	8084	0.0313			
11/23/16 10:00	26.35	3.92	0.00000315	8084	0.0313			
11/23/16 11:00	26.40	3.90	0.00000315	8084	0.0313			
11/23/16 12:00	26.52	3.98	0.00000317	8084	0.0316			
11/23/16 13:00	27.00	3.89	0.00000322	8084	0.0320			
11/23/16 14:00	28.07	3.21	0.00000335	8084	0.0320			
11/23/16 15:00	28.41	3.02	0.00000339	8084	0.0321			

	Boiler B-6 (EPN 3-00, EQT 0048) - NOx							
	NO _x (ppmd)	O ₂ (% vol)	C _d (lb/scf)	F _d (scf/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	Comments
60.49b(g)(1)				60.49b(g)(7)	60.49b(g)(2)	60.49b(g)(3)	60.49b(g)(3)	60.49b(g)(4), 60.49b(g)(5), 60.49b(g)(6), 60.49b(g)(8), 60.49b(g)(9)
DATE/TIME	CEM	CEM	Method 19 Table 19-1	Method 19	Method 19 Eq. 19-1	Daily Average	30-DRA Limit = 0.1	
11/23/16 16:00	28.42	3.10	0.00000339	8084	0.0322			
11/23/16 17:00	28.13	3.20	0.00000336	8084	0.0321			
11/23/16 18:00	27.88	3.26	0.00000333	8084	0.0319			
11/23/16 19:00	27.59	3.40	0.00000329	8084	0.0318			
11/23/16 20:00	26.87	3.68	0.00000321	8084	0.0315			
11/23/16 21:00	26.70	3.64	0.00000319	8084	0.0312			
11/23/16 22:00	27.18	3.34	0.00000325	8084	0.0312			
11/23/16 23:00	28.28	2.52	0.00000338	8084	0.0310	0.0314	0.0367	
11/24/16 00:00	27.50	3.13	0.00000328	8084	0.0312			
11/24/16 01:00	28.52	2.62	0.00000341	8084	0.0315			
11/24/16 02:00	28.59	2.77	0.00000341	8084	0.0318			
11/24/16 03:00	27.42	3.20	0.00000327	8084	0.0312			
11/24/16 04:00	26.74	3.59	0.00000319	8084	0.0312			
11/24/16 05:00	27.16	4.17	0.00000324	8084	0.0327			
11/24/16 06:00	25.35	4.11	0.00000303	8084	0.0305			
11/24/16 07:00	27.38	3.05	0.00000327	8084	0.0310			
11/24/16 08:00	27.95	3.93	0.00000334	8084	0.0332			
11/24/16 09:00	27.48	4.06	0.00000328	8084	0.0329			
11/24/16 10:00	27.75	3.96	0.00000331	8084	0.0330			
11/24/16 11:00	27.71	3.83	0.00000331	8084	0.0328			
11/24/16 12:00	27.36	3.92	0.00000327	8084	0.0325			
11/24/16 13:00	27.26	4.14	0.00000326	8084	0.0328			
11/24/16 14:00	27.30	3.90	0.00000326	8084	0.0324			
11/24/16 15:00	27.54	3.83	0.00000329	8084	0.0326			
11/24/16 16:00	27.91	3.98	0.00000333	8084	0.0333			
11/24/16 17:00	28.58	4.25	0.00000341	8084	0.0346			
11/24/16 18:00	28.98	4.19	0.00000346	8084	0.0350			
11/24/16 19:00	28.40	3.97	0.00000339	8084	0.0338			
11/24/16 20:00	29.12	3.41	0.00000348	8084	0.0336			
11/24/16 21:00	28.96	3.92	0.00000346	8084	0.0344			
11/24/16 22:00	28.82	3.74	0.00000344	8084	0.0339			
11/24/16 23:00	28.94	3.81	0.00000345	8084	0.0342	0.0328	0.0366	
11/25/16 00:00	29.05	3.55	0.00000347	8084	0.0338			
11/25/16 01:00	28.75	3.51	0.00000343	8084	0.0333			
11/25/16 02:00	28.76	3.71	0.00000343	8084	0.0337			
11/25/16 03:00	28.56	3.72	0.00000341	8084	0.0335			
11/25/16 04:00	28.60	3.79	0.00000342	8084	0.0337			
11/25/16 05:00	28.65	3.85	0.00000342	8084	0.0339			
11/25/16 06:00	29.16	3.88	0.00000348	8084	0.0346			
11/25/16 07:00	29.64	3.90	0.00000354	8084	0.0352			
11/25/16 08:00	29.46	3.82	0.00000352	8084	0.0348			
11/25/16 09:00	29.97	3.86	0.00000358	8084	0.0355			
11/25/16 10:00	30.11	3.76	0.00000359	8084	0.0354			
11/25/16 11:00	29.94	3.80	0.00000358	8084	0.0353			
11/25/16 12:00	30.05	3.96	0.00000359	8084	0.0358			
11/25/16 13:00	29.98	3.90	0.00000358	8084	0.0356			
11/25/16 14:00	30.11	3.87	0.00000360	8084	0.0357			
11/25/16 15:00	30.01	3.90	0.00000358	8084	0.0356			
11/25/16 16:00	30.03	3.92	0.00000359	8084	0.0357			
11/25/16 17:00	29.96	3.98	0.00000358	8084	0.0357			
11/25/16 18:00	29.95	3.97	0.00000358	8084	0.0357			
11/25/16 19:00	29.90	3.90	0.00000357	8084	0.0355			
11/25/16 20:00	30.03	3.86	0.00000359	8084	0.0356			
11/25/16 21:00	30.01	3.84	0.00000358	8084	0.0355			
11/25/16 22:00	30.08	3.85	0.00000359	8084	0.0356			
11/25/16 23:00	29.90	3.81	0.00000357	8084	0.0353	0.0350	0.0366	
11/26/16 00:00	30.11	3.78	0.00000359	8084	0.0355			
11/26/16 01:00	30.09	3.77	0.00000359	8084	0.0354			
11/26/16 02:00	30.01	3.78	0.00000358	8084	0.0354			
11/26/16 03:00	29.99	3.77	0.00000358	8084	0.0353			
11/26/16 04:00	30.10	3.76	0.00000359	8084	0.0354			
11/26/16 05:00	30.00	3.73	0.00000358	8084	0.0352			
11/26/16 06:00	30.03	3.71	0.00000359	8084	0.0352			
11/26/16 07:00	30.23	3.88	0.00000361	8084	0.0358			
11/26/16 08:00	30.04	3.83	0.00000359	8084	0.0355			
11/26/16 09:00	29.99	3.95	0.00000358	8084	0.0357			
11/26/16 10:00	29.98	4.06	0.00000358	8084	0.0359			
11/26/16 11:00	30.12	3.95	0.00000360	8084	0.0358			
11/26/16 12:00	30.22	3.94	0.00000361	8084	0.0359			
11/26/16 13:00	30.25	3.95	0.00000361	8084	0.0360			
11/26/16 14:00	30.04	3.93	0.00000359	8084	0.0357			
11/26/16 15:00	30.04	3.91	0.00000359	8084	0.0357			
11/26/16 16:00	29.94	3.93	0.00000357	8084	0.0356			
11/26/16 17:00	29.97	3.89	0.00000358	8084	0.0355			
11/26/16 18:00	29.92	3.78	0.00000357	8084	0.0353			
11/26/16 19:00	30.11	3.95	0.00000360	8084	0.0358			
11/26/16 20:00	29.92	4.04	0.00000357	8084	0.0358			
11/26/16 21:00	30.04	4.05	0.00000359	8084	0.0360			
11/26/16 22:00	29.94	4.04	0.00000358	8084	0.0358			
11/26/16 23:00	30.01	4.01	0.00000358	8084	0.0358	0.0356	0.0365	
11/27/16 00:00	30.06	4.00	0.00000359	8084	0.0359			
11/27/16 01:00	29.93	4.03	0.00000357	8084	0.0358			
11/27/16 02:00	29.98	4.00	0.00000358	8084	0.0358			
11/27/16 03:00	29.96	4.04	0.00000358	8084	0.0359			
11/27/16 04:00	30.01	3.94	0.00000358	8084	0.0357			
11/27/16 05:00	30.07	3.50	0.00000359	8084	0.0349			

	Boiler B-6 (EPN 3-00, EQT 0048) - NOx							
	NO _x (ppmd)	O ₂ (% vol)	C _d (lb/scf)	F _d (scf/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	Comments
60.49b(g)(1)				60.49b(g)(7)	60.49b(g)(2)	60.49b(g)(3)	60.49b(g)(3)	60.49b(g)(4), 60.49b(g)(5), 60.49b(g)(6), 60.49b(g)(8), 60.49b(g)(9)
DATE/TIME	CEM	CEM	Method 19 Table 19-1	Method 19	Method 19 Eq. 19-1	Daily Average	30-DRA Limit = 0.1	
11/27/16 06:00	29.94	3.35	0.00000358	8084	0.0344			
11/27/16 07:00	30.20	3.41	0.00000361	8084	0.0348			
11/27/16 08:00	29.82	3.32	0.00000356	8084	0.0342			
11/27/16 09:00	30.05	3.25	0.00000359	8084	0.0344			
11/27/16 10:00	30.02	3.19	0.00000358	8084	0.0342			
11/27/16 11:00	29.99	3.15	0.00000358	8084	0.0341			
11/27/16 12:00	30.03	3.23	0.00000359	8084	0.0343			
11/27/16 13:00	29.94	3.18	0.00000357	8084	0.0341			
11/27/16 14:00	30.02	3.17	0.00000358	8084	0.0342			
11/27/16 15:00	29.90	3.20	0.00000357	8084	0.0341			
11/27/16 16:00	30.00	3.15	0.00000358	8084	0.0341			
11/27/16 17:00	29.95	3.30	0.00000358	8084	0.0343			
11/27/16 18:00	29.97	3.56	0.00000358	8084	0.0349			
11/27/16 19:00	29.93	3.51	0.00000357	8084	0.0347			
11/27/16 20:00	29.99	3.42	0.00000358	8084	0.0346			
11/27/16 21:00	30.11	3.32	0.00000360	8084	0.0346			
11/27/16 22:00	30.00	3.28	0.00000358	8084	0.0344			
11/27/16 23:00	29.98	3.32	0.00000358	8084	0.0344	0.0347	0.0365	
11/28/16 00:00	29.99	3.29	0.00000358	8084	0.0343			
11/28/16 01:00	30.00	3.29	0.00000358	8084	0.0344			
11/28/16 02:00	29.98	3.30	0.00000358	8084	0.0344			
11/28/16 03:00	29.99	3.38	0.00000358	8084	0.0345			
11/28/16 04:00	30.04	3.35	0.00000359	8084	0.0345			
11/28/16 05:00	29.98	3.32	0.00000358	8084	0.0344			
11/28/16 06:00	29.97	3.46	0.00000358	8084	0.0347			
11/28/16 07:00	30.33	3.31	0.00000362	8084	0.0348			
11/28/16 08:00	29.50	4.11	0.00000352	8084	0.0354			
11/28/16 09:00	30.31	4.08	0.00000362	8084	0.0364			
11/28/16 10:00	29.99	3.80	0.00000358	8084	0.0354			
11/28/16 11:00	30.18	3.78	0.00000360	8084	0.0355			
11/28/16 12:00	29.95	4.04	0.00000358	8084	0.0358			
11/28/16 13:00	29.85	4.10	0.00000356	8084	0.0358			
11/28/16 14:00	29.91	4.37	0.00000357	8084	0.0365			
11/28/16 15:00	30.05	3.86	0.00000359	8084	0.0356			
11/28/16 16:00	29.92	4.05	0.00000357	8084	0.0358			
11/28/16 17:00	29.93	4.16	0.00000357	8084	0.0361			
11/28/16 18:00	29.91	4.30	0.00000357	8084	0.0363			
11/28/16 19:00	29.92	4.31	0.00000357	8084	0.0364			
11/28/16 20:00	29.97	4.35	0.00000358	8084	0.0365			
11/28/16 21:00	29.93	4.38	0.00000357	8084	0.0366			
11/28/16 22:00	30.00	4.39	0.00000358	8084	0.0367			
11/28/16 23:00	30.03	4.42	0.00000359	8084	0.0368	0.0356	0.0365	
11/29/16 00:00	29.94	4.44	0.00000358	8084	0.0367			
11/29/16 01:00	29.96	4.46	0.00000358	8084	0.0368			
11/29/16 02:00	30.04	4.46	0.00000359	8084	0.0369			
11/29/16 03:00	30.01	4.47	0.00000358	8084	0.0369			
11/29/16 04:00	30.13	4.24	0.00000360	8084	0.0365			
11/29/16 05:00	29.85	3.87	0.00000356	8084	0.0354			
11/29/16 06:00	29.92	4.34	0.00000357	8084	0.0364			
11/29/16 07:00	28.71	4.26	0.00000343	8084	0.0348			
11/29/16 08:00	30.14	4.39	0.00000360	8084	0.0368			
11/29/16 09:00	29.24	3.99	0.00000349	8084	0.0349			
11/29/16 10:00	30.15	4.41	0.00000360	8084	0.0369			
11/29/16 11:00	29.99	4.37	0.00000358	8084	0.0366			
11/29/16 12:00	29.94	4.37	0.00000358	8084	0.0365			
11/29/16 13:00	29.98	4.33	0.00000358	8084	0.0365			
11/29/16 14:00	30.12	3.93	0.00000360	8084	0.0358			
11/29/16 15:00	29.79	3.97	0.00000356	8084	0.0355			
11/29/16 16:00	30.16	2.93	0.00000360	8084	0.0339			
11/29/16 17:00	29.72	2.84	0.00000355	8084	0.0332			
11/29/16 18:00	29.57	3.15	0.00000353	8084	0.0336			
11/29/16 19:00	29.41	3.34	0.00000351	8084	0.0338			
11/29/16 20:00	29.55	3.53	0.00000353	8084	0.0343			
11/29/16 21:00	28.96	3.86	0.00000346	8084	0.0343			
11/29/16 22:00	28.70	3.89	0.00000343	8084	0.0340			
11/29/16 23:00	29.01	3.87	0.00000346	8084	0.0344	0.0355	0.0364	
11/30/16 00:00	28.99	3.92	0.00000346	8084	0.0344			
11/30/16 01:00	29.12	3.65	0.00000348	8084	0.0341			
11/30/16 02:00	29.28	3.77	0.00000350	8084	0.0345			
11/30/16 03:00	28.87	3.97	0.00000345	8084	0.0344			
11/30/16 04:00	28.93	3.95	0.00000345	8084	0.0344			
11/30/16 05:00	28.99	3.89	0.00000346	8084	0.0344			
11/30/16 06:00	28.90	3.94	0.00000345	8084	0.0344			
11/30/16 07:00	29.13	3.93	0.00000348	8084	0.0346			
11/30/16 08:00	28.43	4.34	0.00000339	8084	0.0346			
11/30/16 09:00	29.43	4.20	0.00000351	8084	0.0356			
11/30/16 10:00	30.73	4.04	0.00000367	8084	0.0368			
11/30/16 11:00	29.64	4.44	0.00000354	8084	0.0363			
11/30/16 12:00	29.95	4.48	0.00000358	8084	0.0368			
11/30/16 13:00	30.04	4.56	0.00000359	8084	0.0371			
11/30/16 14:00	30.28	4.54	0.00000362	8084	0.0373			
11/30/16 15:00	30.07	4.63	0.00000359	8084	0.0373			
11/30/16 16:00	28.94	4.40	0.00000346	8084	0.0354			
11/30/16 17:00	27.54	4.43	0.00000329	8084	0.0337			
11/30/16 18:00	28.90	4.58	0.00000345	8084	0.0357			
11/30/16 19:00	26.84	4.49	0.00000320	8084	0.0330			

	Boiler B-6 (EPN 3-00, EQT 0048) - NOx							
	NO _x (ppmd)	O ₂ (% vol)	C _d (lb/scf)	F _d (scf/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	Comments
60.49b(g)(1)				60.49b(g)(7)	60.49b(g)(2)	60.49b(g)(3)	60.49b(g)(3)	60.49b(g)(4), 60.49b(g)(5), 60.49b(g)(6), 60.49b(g)(8), 60.49b(g)(9)
DATE/TIME	CEM	CEM	Method 19 Table 19-1	Method 19	Method 19 Eq. 19-1	Daily Average	30-DRA Limit = 0.1	
11/30/16 20:00	26.70	4.62	0.00000319	8084	0.0331			
11/30/16 21:00	26.65	4.64	0.00000318	8084	0.0331			
11/30/16 22:00	26.52	4.66	0.00000317	8084	0.0330			
11/30/16 23:00	26.60	4.64	0.00000318	8084	0.0330	0.0349	0.0363	
12/1/16 00:00	26.67	4.70	0.00000318	8084	0.0332			
12/1/16 01:00	26.65	4.76	0.00000318	8084	0.0333			
12/1/16 02:00	26.35	4.84	0.00000315	8084	0.0331			
12/1/16 03:00	26.23	4.74	0.00000313	8084	0.0327			
12/1/16 04:00	26.08	4.80	0.00000311	8084	0.0327			
12/1/16 05:00	26.24	4.78	0.00000313	8084	0.0328			
12/1/16 06:00	26.16	4.79	0.00000312	8084	0.0327			
12/1/16 07:00	26.26	4.76	0.00000314	8084	0.0328			
12/1/16 08:00	26.35	4.78	0.00000315	8084	0.0330			
12/1/16 09:00	26.38	4.75	0.00000315	8084	0.0330			
12/1/16 10:00	26.67	4.73	0.00000318	8084	0.0333			
12/1/16 11:00	27.04	4.77	0.00000323	8084	0.0338			
12/1/16 12:00	26.99	4.74	0.00000322	8084	0.0337			
12/1/16 13:00	27.85	4.75	0.00000332	8084	0.0348			
12/1/16 14:00	27.58	4.74	0.00000329	8084	0.0344			
12/1/16 15:00	27.59	4.73	0.00000329	8084	0.0344			
12/1/16 16:00	27.62	4.79	0.00000330	8084	0.0346			
12/1/16 17:00	26.64	4.74	0.00000318	8084	0.0333			
12/1/16 18:00	26.28	4.67	0.00000314	8084	0.0327			
12/1/16 19:00	25.56	4.64	0.00000305	8084	0.0317			
12/1/16 20:00	26.34	4.58	0.00000314	8084	0.0326			
12/1/16 21:00	25.80	4.64	0.00000308	8084	0.0320			
12/1/16 22:00	25.62	4.56	0.00000306	8084	0.0316			
12/1/16 23:00	25.64	4.55	0.00000306	8084	0.0316	0.0331	0.0362	
12/2/16 00:00	25.81	4.58	0.00000308	8084	0.0319			
12/2/16 01:00	25.53	4.56	0.00000305	8084	0.0315			
12/2/16 02:00	25.53	4.53	0.00000305	8084	0.0315			
12/2/16 03:00	25.56	4.48	0.00000305	8084	0.0314			
12/2/16 04:00	25.87	4.47	0.00000309	8084	0.0318			
12/2/16 05:00	26.17	4.52	0.00000312	8084	0.0322			
12/2/16 06:00	26.55	4.62	0.00000317	8084	0.0329			
12/2/16 07:00	26.26	4.62	0.00000313	8084	0.0325			
12/2/16 08:00	26.18	4.61	0.00000313	8084	0.0324			
12/2/16 09:00	26.00	4.56	0.00000310	8084	0.0321			
12/2/16 10:00	25.89	4.53	0.00000309	8084	0.0319			
12/2/16 11:00	26.08	4.49	0.00000311	8084	0.0321			
12/2/16 12:00	25.95	4.52	0.00000310	8084	0.0320			
12/2/16 13:00	25.51	4.58	0.00000305	8084	0.0315			
12/2/16 14:00	25.44	4.59	0.00000304	8084	0.0315			
12/2/16 15:00	25.40	4.58	0.00000303	8084	0.0314			
12/2/16 16:00	25.35	4.58	0.00000303	8084	0.0313			
12/2/16 17:00	26.05	4.57	0.00000311	8084	0.0322			
12/2/16 18:00	25.71	4.61	0.00000307	8084	0.0318			
12/2/16 19:00	25.51	4.56	0.00000305	8084	0.0315			
12/2/16 20:00	26.13	4.49	0.00000312	8084	0.0321			
12/2/16 21:00	25.91	4.46	0.00000309	8084	0.0318			
12/2/16 22:00	25.75	4.46	0.00000307	8084	0.0316			
12/2/16 23:00	25.91	4.43	0.00000309	8084	0.0317	0.0319	0.0360	
12/3/16 00:00	25.61	4.45	0.00000306	8084	0.0314			
12/3/16 01:00	25.66	4.43	0.00000306	8084	0.0314			
12/3/16 02:00	25.59	4.44	0.00000306	8084	0.0314			
12/3/16 03:00	25.42	4.46	0.00000304	8084	0.0312			
12/3/16 04:00	25.24	4.45	0.00000301	8084	0.0310			
12/3/16 05:00	25.26	4.45	0.00000302	8084	0.0310			
12/3/16 06:00	25.40	4.38	0.00000303	8084	0.0310			
12/3/16 07:00	25.66	4.39	0.00000306	8084	0.0313			
12/3/16 08:00	25.65	4.40	0.00000306	8084	0.0314			
12/3/16 09:00	25.59	4.43	0.00000306	8084	0.0314			
12/3/16 10:00	25.45	4.48	0.00000304	8084	0.0313			
12/3/16 11:00	25.45	4.46	0.00000304	8084	0.0312			
12/3/16 12:00	25.30	4.48	0.00000302	8084	0.0311			
12/3/16 13:00	25.24	4.46	0.00000301	8084	0.0310			
12/3/16 14:00	25.14	4.44	0.00000300	8084	0.0308			
12/3/16 15:00	25.26	4.43	0.00000302	8084	0.0309			
12/3/16 16:00	25.33	4.42	0.00000302	8084	0.0310			
12/3/16 17:00	25.49	4.39	0.00000304	8084	0.0312			
12/3/16 18:00	25.42	4.42	0.00000304	8084	0.0311			
12/3/16 19:00	25.20	4.44	0.00000301	8084	0.0309			
12/3/16 20:00	25.11	4.50	0.00000300	8084	0.0309			
12/3/16 21:00	24.74	4.48	0.00000295	8084	0.0304			
12/3/16 22:00	24.59	4.48	0.00000294	8084	0.0302			
12/3/16 23:00	24.52	4.48	0.00000293	8084	0.0301	0.0310	0.0358	
12/4/16 00:00	23.99	4.50	0.00000286	8084	0.0295			
12/4/16 01:00	23.68	4.52	0.00000283	8084	0.0292			
12/4/16 02:00	23.76	4.51	0.00000284	8084	0.0292			
12/4/16 03:00	23.71	4.53	0.00000283	8084	0.0292			
12/4/16 04:00	23.54	4.54	0.00000281	8084	0.0290			
12/4/16 05:00	23.28	4.56	0.00000278	8084	0.0287			
12/4/16 06:00	23.22	4.47	0.00000277	8084	0.0285			
12/4/16 07:00	23.22	4.64	0.00000277	8084	0.0288			
12/4/16 08:00	22.85	4.61	0.00000273	8084	0.0283			
12/4/16 09:00	22.71	4.57	0.00000271	8084	0.0280			

	Boiler B-6 (EPN 3-00, EQT 0048) - NOx							
	NO _x (ppmd)	O ₂ (% vol)	C _d (lb/scf)	F _d (scf/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	Comments
60.49b(g)(1)				60.49b(g)(7)	60.49b(g)(2)	60.49b(g)(3)	60.49b(g)(3)	60.49b(g)(4), 60.49b(g)(5), 60.49b(g)(6), 60.49b(g)(8), 60.49b(g)(9)
DATE/TIME	CEM	CEM	Method 19 Table 19-1	Method 19	Method 19 Eq. 19-1	Daily Average	30-DRA Limit = 0.1	
12/4/16 10:00	22.74	4.52	0.00000272	8084	0.0280			
12/4/16 11:00	22.15	4.55	0.00000264	8084	0.0273			
12/4/16 12:00	21.82	4.60	0.00000261	8084	0.0270			
12/4/16 13:00	22.20	4.57	0.00000265	8084	0.0274			
12/4/16 14:00	23.33	4.47	0.00000279	8084	0.0286			
12/4/16 15:00	23.09	4.43	0.00000276	8084	0.0283			
12/4/16 16:00	23.29	4.39	0.00000278	8084	0.0285			
12/4/16 17:00	23.65	4.25	0.00000282	8084	0.0286			
12/4/16 18:00	23.49	4.45	0.00000280	8084	0.0288			
12/4/16 19:00	23.73	4.47	0.00000283	8084	0.0291			
12/4/16 20:00	23.89	4.51	0.00000285	8084	0.0294			
12/4/16 21:00	23.05	4.54	0.00000275	8084	0.0284			
12/4/16 22:00	21.36	4.42	0.00000255	8084	0.0261			
12/4/16 23:00	22.48	4.40	0.00000268	8084	0.0275	0.0284	0.0354	
12/5/16 00:00	24.00	4.51	0.00000287	8084	0.0295			
12/5/16 01:00	24.03	4.55	0.00000287	8084	0.0296			
12/5/16 02:00	24.02	4.51	0.00000287	8084	0.0296			
12/5/16 03:00	24.06	4.49	0.00000287	8084	0.0296			
12/5/16 04:00	24.35	4.57	0.00000291	8084	0.0301			
12/5/16 05:00	24.41	4.54	0.00000291	8084	0.0301			
12/5/16 06:00	24.84	4.48	0.00000297	8084	0.0305			
12/5/16 07:00	24.69	4.45	0.00000295	8084	0.0303			
12/5/16 08:00	24.41	4.55	0.00000291	8084	0.0301			
12/5/16 09:00	24.27	4.53	0.00000290	8084	0.0299			
12/5/16 10:00	24.57	4.48	0.00000293	8084	0.0302			
12/5/16 11:00	24.36	4.33	0.00000291	8084	0.0297			
12/5/16 12:00	24.22	4.42	0.00000289	8084	0.0297			
12/5/16 13:00	24.09	4.43	0.00000288	8084	0.0295			
12/5/16 14:00	24.38	4.43	0.00000291	8084	0.0299			
12/5/16 15:00	23.44	4.57	0.00000280	8084	0.0290			
12/5/16 16:00	23.87	4.55	0.00000285	8084	0.0294			
12/5/16 17:00	24.03	4.59	0.00000287	8084	0.0297			
12/5/16 18:00	24.14	4.55	0.00000288	8084	0.0298			
12/5/16 19:00	24.86	4.56	0.00000297	8084	0.0307			
12/5/16 20:00	24.45	4.48	0.00000292	8084	0.0300			
12/5/16 21:00	24.54	4.55	0.00000293	8084	0.0303			
12/5/16 22:00	24.62	4.52	0.00000294	8084	0.0303			
12/5/16 23:00	24.44	4.49	0.00000292	8084	0.0300	0.0299	0.0351	
12/6/16 00:00	24.32	4.50	0.00000290	8084	0.0299			
12/6/16 01:00	25.01	4.50	0.00000299	8084	0.0308			
12/6/16 02:00	25.43	4.49	0.00000304	8084	0.0313			
12/6/16 03:00	25.79	4.52	0.00000308	8084	0.0318			
12/6/16 04:00	25.88	4.53	0.00000309	8084	0.0319			
12/6/16 05:00	26.29	4.50	0.00000314	8084	0.0323			
12/6/16 06:00	25.40	4.52	0.00000303	8084	0.0313			
12/6/16 07:00	25.34	4.54	0.00000303	8084	0.0312			
12/6/16 08:00	25.39	4.49	0.00000303	8084	0.0312			
12/6/16 09:00	25.40	4.46	0.00000303	8084	0.0312			
12/6/16 10:00	25.54	4.46	0.00000305	8084	0.0313			
12/6/16 11:00	25.43	4.45	0.00000304	8084	0.0312			
12/6/16 12:00	25.34	4.43	0.00000303	8084	0.0310			
12/6/16 13:00	25.47	4.42	0.00000304	8084	0.0312			
12/6/16 16:00	25.59	4.37	0.00000306	8084	0.0312			
12/6/16 17:00	25.56	4.39	0.00000305	8084	0.0312			
12/6/16 18:00	25.18	4.46	0.00000301	8084	0.0309			
12/6/16 19:00	25.33	4.42	0.00000302	8084	0.0310			
12/6/16 20:00	25.21	4.46	0.00000301	8084	0.0309			
12/6/16 21:00	25.61	4.37	0.00000306	8084	0.0313			
12/6/16 22:00	26.22	4.38	0.00000313	8084	0.0320			
12/6/16 23:00	25.45	4.62	0.00000304	8084	0.0315	0.0312	0.0349	
12/7/16 00:00	25.14	4.80	0.00000300	8084	0.0315			
12/7/16 01:00	24.80	5.42	0.00000296	8084	0.0323			
12/7/16 02:00	24.77	4.53	0.00000296	8084	0.0305			
12/7/16 03:00	24.46	3.24	0.00000292	8084	0.0279			
12/7/16 04:00	24.75	2.73	0.00000296	8084	0.0275			
12/7/16 05:00	24.61	2.56	0.00000294	8084	0.0271			
12/7/16 06:00	25.80	4.27	0.00000308	8084	0.0313			
12/7/16 07:00	26.15	4.36	0.00000312	8084	0.0319			
12/7/16 08:00	25.96	4.42	0.00000310	8084	0.0318			
12/7/16 09:00	26.25	4.40	0.00000313	8084	0.0321			
12/7/16 10:00	26.03	4.42	0.00000311	8084	0.0319			
12/7/16 11:00	26.48	4.38	0.00000316	8084	0.0323			
12/7/16 12:00	25.79	4.42	0.00000308	8084	0.0316			
12/7/16 13:00	26.40	4.39	0.00000315	8084	0.0322			
12/7/16 14:00	26.46	4.39	0.00000316	8084	0.0323			
12/7/16 15:00	26.86	4.37	0.00000321	8084	0.0328			
12/7/16 16:00	26.16	4.34	0.00000312	8084	0.0319			
12/7/16 17:00	26.57	4.40	0.00000317	8084	0.0325			
12/7/16 18:00	26.39	4.38	0.00000315	8084	0.0322			
12/7/16 19:00	25.94	4.46	0.00000310	8084	0.0318			
12/7/16 20:00	25.99	4.50	0.00000310	8084	0.0320			
12/7/16 21:00	25.42	4.55	0.00000303	8084	0.0314			
12/7/16 22:00	25.51	4.54	0.00000305	8084	0.0314			
12/7/16 23:00	25.24	4.56	0.00000301	8084	0.0312	0.0313	0.0346	
12/8/16 00:00	25.20	4.52	0.00000301	8084	0.0310			
12/8/16 01:00	25.15	4.59	0.00000300	8084	0.0311			

	Boiler B-6 (EPN 3-00, EQT 0048) - NOx							
	NO _x (ppmd)	O ₂ (% vol)	C _d (lb/scf)	F _d (scf/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	Comments
60.49b(g)(1)				60.49b(g)(7)	60.49b(g)(2)	60.49b(g)(3)	60.49b(g)(3)	60.49b(g)(4), 60.49b(g)(5), 60.49b(g)(6), 60.49b(g)(8), 60.49b(g)(9)
DATE/TIME	CEM	CEM	Method 19 Table 19-1	Method 19	Method 19 Eq. 19-1	Daily Average	30-DRA Limit = 0.1	
12/8/16 02:00	25.33	4.56	0.00000302	8084	0.0313			
12/8/16 03:00	24.75	4.57	0.00000296	8084	0.0306			
12/8/16 04:00	25.44	4.56	0.00000304	8369	0.0325			
12/8/16 05:00	24.91	4.57	0.00000297	8369	0.0319			
12/8/16 06:00	25.02	4.57	0.00000299	8369	0.0320			
12/8/16 07:00	25.13	4.53	0.00000300	8369	0.0320			
12/8/16 08:00	25.46	4.55	0.00000304	8369	0.0325			
12/8/16 09:00	25.43	4.43	0.00000304	8369	0.0322			
12/8/16 10:00	25.78	4.50	0.00000308	8369	0.0328			
12/8/16 11:00	27.09	4.26	0.00000323	8369	0.0340			
12/8/16 12:00	27.23	4.20	0.00000325	8369	0.0341			
12/8/16 13:00	27.36	4.19	0.00000327	8369	0.0342			
12/8/16 14:00	27.71	4.26	0.00000331	8369	0.0348			
12/8/16 15:00	27.52	4.20	0.00000329	8369	0.0344			
12/8/16 16:00	27.77	4.22	0.00000332	8369	0.0348			
12/8/16 17:00	28.05	4.26	0.00000335	8369	0.0352			
12/8/16 18:00	28.19	4.23	0.00000337	8369	0.0353			
12/8/16 19:00	28.08	4.21	0.00000335	8369	0.0351			
12/8/16 20:00	29.51	3.91	0.00000352	8369	0.0363			
12/8/16 21:00	29.40	3.87	0.00000351	8369	0.0361			
12/8/16 22:00	29.13	3.90	0.00000348	8369	0.0358			
12/8/16 23:00	29.53	3.71	0.00000353	8369	0.0359	0.0336	0.0344	
12/9/16 00:00	29.10	3.72	0.00000347	8369	0.0354			
12/9/16 01:00	29.25	3.64	0.00000349	8369	0.0354			
12/9/16 02:00	29.05	3.61	0.00000347	8369	0.0351			
12/9/16 03:00	28.90	3.61	0.00000345	8369	0.0349			
12/9/16 04:00	28.83	3.66	0.00000344	8369	0.0349			
12/9/16 05:00	28.94	3.60	0.00000346	8369	0.0349			
12/9/16 06:00	28.87	3.72	0.00000345	8369	0.0351			
12/9/16 07:00	28.71	3.95	0.00000343	8369	0.0354			
12/9/16 08:00	29.23	3.66	0.00000349	8369	0.0354			
12/9/16 09:00	29.90	3.39	0.00000357	8369	0.0357			
12/9/16 10:00	29.79	3.24	0.00000356	8369	0.0352			
12/9/16 11:00	29.65	3.27	0.00000354	8369	0.0351			
12/9/16 12:00	29.90	3.34	0.00000357	8369	0.0356			
12/9/16 13:00	29.77	3.46	0.00000355	8369	0.0356			
12/9/16 14:00	29.27	3.63	0.00000349	8369	0.0354			
12/9/16 15:00	29.42	3.63	0.00000351	8369	0.0356			
12/9/16 16:00	29.39	3.41	0.00000351	8369	0.0351			
12/9/16 17:00	28.97	3.52	0.00000346	8369	0.0348			
12/9/16 18:00	28.94	3.55	0.00000346	8369	0.0348			
12/9/16 19:00	29.07	3.43	0.00000347	8369	0.0347			
12/9/16 20:00	29.01	3.48	0.00000346	8369	0.0348			
12/9/16 21:00	29.04	3.49	0.00000347	8369	0.0348			
12/9/16 22:00	29.33	3.33	0.00000350	8369	0.0348			
12/9/16 23:00	29.19	3.43	0.00000349	8369	0.0349	0.0351	0.0343	
12/10/16 00:00	29.03	3.47	0.00000347	8369	0.0348			
12/10/16 01:00	29.21	3.38	0.00000349	8369	0.0348			
12/10/16 02:00	29.25	3.34	0.00000349	8369	0.0348			
12/10/16 03:00	29.07	3.40	0.00000347	8369	0.0347			
12/10/16 04:00	29.18	3.36	0.00000348	8369	0.0347			
12/10/16 05:00	28.98	3.44	0.00000346	8369	0.0347			
12/10/16 06:00	29.11	3.32	0.00000348	8369	0.0346			
12/10/16 07:00	28.85	3.40	0.00000344	8369	0.0344			
12/10/16 08:00	29.24	3.18	0.00000349	8369	0.0345			
12/10/16 09:00	29.71	2.96	0.00000355	8369	0.0346			
12/10/16 10:00	29.34	3.16	0.00000350	8369	0.0346			
12/10/16 11:00	29.57	3.13	0.00000353	8369	0.0348			
12/10/16 12:00	29.74	3.18	0.00000355	8369	0.0350			
12/10/16 13:00	29.57	3.24	0.00000353	8369	0.0350			
12/10/16 14:00	29.41	3.42	0.00000351	8369	0.0351			
12/10/16 15:00	29.39	3.49	0.00000351	8369	0.0353			
12/10/16 16:00	29.02	3.64	0.00000346	8369	0.0351			
12/10/16 17:00	28.86	3.67	0.00000345	8369	0.0350			
12/10/16 18:00	28.93	3.61	0.00000345	8369	0.0349			
12/10/16 19:00	28.80	3.63	0.00000344	8369	0.0348			
12/10/16 20:00	28.70	3.61	0.00000343	8369	0.0347			
12/10/16 21:00	29.16	3.44	0.00000348	8369	0.0349			
12/10/16 22:00	28.55	3.58	0.00000341	8369	0.0344			
12/10/16 23:00	28.41	3.58	0.00000339	8369	0.0343	0.0348	0.0343	
12/11/16 00:00	28.31	3.60	0.00000338	8369	0.0342			
12/11/16 01:00	27.83	3.66	0.00000332	8369	0.0337			
12/11/16 02:00	27.98	3.56	0.00000334	8369	0.0337			
12/11/16 03:00	27.83	3.53	0.00000332	8369	0.0335			
12/11/16 04:00	26.77	3.91	0.00000320	8369	0.0329			
12/11/16 05:00	26.49	3.99	0.00000316	8369	0.0327			
12/11/16 06:00	26.64	3.93	0.00000318	8369	0.0328			
12/11/16 07:00	26.34	4.04	0.00000314	8369	0.0326			
12/11/16 08:00	26.77	3.87	0.00000320	8369	0.0328			
12/11/16 09:00	26.73	3.87	0.00000319	8369	0.0328			
12/11/16 10:00	26.76	3.89	0.00000320	8369	0.0328			
12/11/16 11:00	27.04	3.86	0.00000323	8369	0.0331			
12/11/16 12:00	26.90	3.91	0.00000321	8369	0.0331			
12/11/16 13:00	27.30	4.04	0.00000326	8369	0.0338			
12/11/16 14:00	27.29	4.05	0.00000326	8369	0.0338			
12/11/16 15:00	26.82	4.12	0.00000320	8369	0.0334			

	Boiler B-6 (EPN 3-00, EQT 0048) - NOx							
	NO _x (ppmd)	O ₂ (% vol)	C _d (lb/scf)	F _d (scf/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	Comments
60.49b(g)(1)				60.49b(g)(7)	60.49b(g)(2)	60.49b(g)(3)	60.49b(g)(3)	60.49b(g)(4), 60.49b(g)(5), 60.49b(g)(6), 60.49b(g)(8), 60.49b(g)(9)
DATE/TIME	CEM	CEM	Method 19 Table 19-1	Method 19	Method 19 Eq. 19-1	Daily Average	30-DRA Limit = 0.1	
12/11/16 16:00	26.83	4.13	0.00000320	8369	0.0334			
12/11/16 17:00	26.24	4.16	0.00000313	8369	0.0327			
12/11/16 18:00	25.92	4.13	0.00000310	8369	0.0323			
12/11/16 19:00	25.97	4.10	0.00000310	8369	0.0323			
12/11/16 20:00	26.05	4.02	0.00000311	8369	0.0322			
12/11/16 21:00	25.93	4.14	0.00000310	8369	0.0323			
12/11/16 22:00	26.00	4.07	0.00000310	8369	0.0323			
12/11/16 23:00	26.08	4.05	0.00000311	8369	0.0323	0.0330	0.0341	
12/12/16 00:00	26.00	3.96	0.00000310	8369	0.0321			
12/12/16 01:00	25.78	3.98	0.00000308	8369	0.0318			
12/12/16 02:00	26.11	3.96	0.00000312	8369	0.0322			
12/12/16 03:00	25.71	4.12	0.00000307	8369	0.0320			
12/12/16 04:00	25.86	4.03	0.00000309	8369	0.0320			
12/12/16 05:00	26.21	3.94	0.00000313	8369	0.0323			
12/12/16 06:00	25.69	4.05	0.00000307	8369	0.0318			
12/12/16 07:00	25.98	4.06	0.00000310	8369	0.0322			
12/12/16 08:00	26.01	4.05	0.00000311	8369	0.0322			
12/12/16 09:00	26.29	4.03	0.00000314	8369	0.0325			
12/12/16 10:00	26.28	4.03	0.00000314	8369	0.0325			
12/12/16 11:00	26.48	4.09	0.00000316	8369	0.0329			
12/12/16 12:00	26.41	4.13	0.00000315	8369	0.0329			
12/12/16 13:00	26.27	4.09	0.00000314	8369	0.0326			
12/12/16 14:00	26.06	4.14	0.00000311	8369	0.0325			
12/12/16 15:00	25.77	4.18	0.00000308	8369	0.0322			
12/12/16 16:00	25.43	4.22	0.00000304	8369	0.0318			
12/12/16 17:00	25.02	4.19	0.00000299	8369	0.0313			
12/12/16 18:00	24.69	4.20	0.00000295	8369	0.0309			
12/12/16 19:00	24.75	4.17	0.00000296	8369	0.0309			
12/12/16 20:00	24.58	4.16	0.00000294	8369	0.0307			
12/12/16 21:00	24.98	4.12	0.00000298	8369	0.0311			
12/12/16 22:00	24.73	4.14	0.00000295	8369	0.0308			
12/12/16 23:00	24.96	4.13	0.00000298	8369	0.0311	0.0319	0.0339	
12/13/16 00:00	24.90	4.14	0.00000297	8369	0.0310			
12/13/16 01:00	24.78	4.13	0.00000296	8369	0.0309			
12/13/16 02:00	24.87	4.15	0.00000297	8369	0.0310			
12/13/16 03:00	24.81	4.12	0.00000296	8369	0.0309			
12/13/16 04:00	24.69	4.16	0.00000295	8369	0.0308			
12/13/16 05:00	24.69	4.07	0.00000295	8369	0.0306			
12/13/16 06:00	24.85	4.05	0.00000297	8369	0.0308			
12/13/16 07:00	24.89	4.06	0.00000297	8369	0.0309			
12/13/16 08:00	24.38	4.19	0.00000291	8369	0.0305			
12/13/16 09:00	24.95	4.18	0.00000298	8369	0.0312			
12/13/16 10:00	24.89	4.15	0.00000297	8369	0.0310			
12/13/16 11:00	25.15	4.21	0.00000300	8369	0.0315			
12/13/16 12:00	25.07	4.22	0.00000299	8369	0.0314			
12/13/16 13:00	24.52	4.27	0.00000293	8369	0.0308			
12/13/16 14:00	24.00	4.22	0.00000287	8369	0.0301			
12/13/16 15:00	24.04	4.16	0.00000287	8369	0.0300			
12/13/16 16:00	24.12	4.21	0.00000288	8369	0.0302			
12/13/16 17:00	23.96	4.03	0.00000286	8369	0.0297			
12/13/16 18:00	24.33	3.98	0.00000291	8369	0.0300			
12/13/16 19:00	24.47	4.01	0.00000292	8369	0.0303			
12/13/16 20:00	24.38	3.90	0.00000291	8369	0.0300			
12/13/16 21:00	24.62	3.90	0.00000294	8369	0.0302			
12/13/16 22:00	24.73	3.95	0.00000295	8369	0.0305			
12/13/16 23:00	24.70	3.94	0.00000295	8369	0.0304	0.0306	0.0336	
12/14/16 00:00	24.85	3.99	0.00000297	8369	0.0307			
12/14/16 01:00	24.29	3.88	0.00000290	8369	0.0298			
12/14/16 02:00	24.32	3.83	0.00000290	8369	0.0297			
12/14/16 03:00	25.06	3.90	0.00000299	8369	0.0308			
12/14/16 04:00	25.40	3.88	0.00000303	8369	0.0312			
12/14/16 05:00	25.50	3.78	0.00000304	8369	0.0311			
12/14/16 06:00	25.34	3.89	0.00000303	8369	0.0311			
12/14/16 07:00	25.45	3.73	0.00000304	8369	0.0310			
12/14/16 08:00	25.06	3.81	0.00000299	8369	0.0306			
12/14/16 09:00	25.36	3.90	0.00000303	8369	0.0312			
12/14/16 10:00	25.73	3.95	0.00000307	8369	0.0317			
12/14/16 11:00	25.83	3.96	0.00000308	8369	0.0318			
12/14/16 12:00	25.49	3.99	0.00000304	8369	0.0315			
12/14/16 13:00	26.12	3.83	0.00000312	8369	0.0319			
12/14/16 14:00	26.20	3.82	0.00000313	8369	0.0320			
12/14/16 15:00	26.06	3.87	0.00000311	8369	0.0320			
12/14/16 16:00	25.90	3.87	0.00000309	8369	0.0318			
12/14/16 17:00	26.54	3.93	0.00000317	8369	0.0327			
12/14/16 18:00	27.35	3.93	0.00000327	8369	0.0337			
12/14/16 19:00	26.23	4.00	0.00000313	8369	0.0324			
12/14/16 20:00	26.18	3.93	0.00000313	8369	0.0322			
12/14/16 21:00	26.41	3.88	0.00000315	8369	0.0324			
12/14/16 22:00	26.48	3.88	0.00000316	8369	0.0325			
12/14/16 23:00	26.50	3.91	0.00000316	8369	0.0326	0.0316	0.0334	
12/15/16 00:00	26.27	3.91	0.00000314	8369	0.0323			
12/15/16 01:00	26.46	3.98	0.00000316	8369	0.0327			
12/15/16 02:00	26.52	3.98	0.00000317	8369	0.0327			
12/15/16 03:00	26.74	3.98	0.00000319	8369	0.0330			
12/15/16 04:00	26.81	3.98	0.00000320	8309	0.0329			
12/15/16 05:00	26.74	4.01	0.00000319	8309	0.0328			

	Boiler B-6 (EPN 3-00, EQT 0048) - NOx							
	NO _x (ppmd)	O ₂ (% vol)	C _d (lb/scf)	F _d (scf/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	Comments
60.49b(g)(1)				60.49b(g)(7)	60.49b(g)(2)	60.49b(g)(3)	60.49b(g)(3)	60.49b(g)(4), 60.49b(g)(5), 60.49b(g)(6), 60.49b(g)(8), 60.49b(g)(9)
DATE/TIME	CEM	CEM	Method 19 Table 19-1	Method 19	Method 19 Eq. 19-1	Daily Average	30-DRA Limit = 0.1	
12/15/16 06:00	26.99	4.00	0.00000322	8309	0.0331			
12/15/16 07:00	26.87	3.98	0.00000321	8309	0.0329			
12/15/16 08:00	26.89	4.00	0.00000321	8309	0.0330			
12/15/16 09:00	27.05	3.94	0.00000323	8309	0.0331			
12/15/16 10:00	27.23	3.89	0.00000325	8309	0.0332			
12/15/16 11:00	26.15	4.44	0.00000312	8309	0.0329			
12/15/16 12:00	25.62	4.77	0.00000306	8309	0.0329			
12/15/16 13:00	25.64	4.62	0.00000306	8309	0.0327			
12/15/16 14:00	25.93	4.61	0.00000310	8309	0.0330			
12/15/16 15:00	26.08	4.65	0.00000311	8309	0.0333			
12/15/16 16:00	25.93	4.68	0.00000310	8309	0.0331			
12/15/16 17:00	25.58	4.69	0.00000305	8309	0.0327			
12/15/16 18:00	25.35	4.71	0.00000303	8309	0.0325			
12/15/16 19:00	26.45	4.35	0.00000316	8309	0.0332			
12/15/16 20:00	26.06	4.47	0.00000311	8309	0.0329			
12/15/16 21:00	26.05	4.49	0.00000311	8309	0.0329			
12/15/16 22:00	26.08	4.46	0.00000311	8309	0.0329			
12/15/16 23:00	25.96	4.47	0.00000310	8309	0.0328	0.0329	0.0331	
12/16/16 00:00	26.05	4.44	0.00000311	8309	0.0328			
12/16/16 01:00	26.67	4.30	0.00000318	8309	0.0333			
12/16/16 02:00	26.46	4.31	0.00000316	8309	0.0331			
12/16/16 03:00	26.33	4.30	0.00000314	8309	0.0329			
12/16/16 04:00	26.01	4.29	0.00000311	8309	0.0325			
12/16/16 05:00	26.16	4.30	0.00000312	8309	0.0327			
12/16/16 06:00	26.51	4.25	0.00000317	8309	0.0330			
12/16/16 07:00	26.54	4.16	0.00000317	8309	0.0329			
12/16/16 08:00	26.52	4.16	0.00000317	8309	0.0328			
12/16/16 09:00	26.66	4.19	0.00000318	8309	0.0331			
12/16/16 10:00	26.69	4.04	0.00000319	8309	0.0328			
12/16/16 11:00	26.63	4.20	0.00000318	8309	0.0331			
12/16/16 12:00	26.24	4.18	0.00000313	8309	0.0325			
12/16/16 13:00	26.57	4.17	0.00000317	8309	0.0329			
12/16/16 14:00	26.69	4.17	0.00000319	8309	0.0331			
12/16/16 15:00	26.58	4.21	0.00000317	8309	0.0330			
12/16/16 16:00	25.87	4.26	0.00000309	8309	0.0322			
12/16/16 17:00	25.78	4.26	0.00000308	8309	0.0321			
12/16/16 18:00	25.19	4.26	0.00000301	8309	0.0314			
12/16/16 19:00	25.55	4.16	0.00000305	8309	0.0317			
12/16/16 20:00	25.99	4.12	0.00000310	8309	0.0321			
12/16/16 21:00	25.82	4.18	0.00000308	8309	0.0320			
12/16/16 22:00	25.87	4.07	0.00000309	8309	0.0319			
12/16/16 23:00	25.44	4.15	0.00000304	8309	0.0315	0.0326	0.0329	
12/17/16 00:00	25.23	4.16	0.00000301	8309	0.0313			
12/17/16 01:00	25.08	4.18	0.00000299	8309	0.0311			
12/17/16 02:00	24.97	4.20	0.00000298	8309	0.0310			
12/17/16 03:00	24.47	4.28	0.00000292	8309	0.0305			
12/17/16 04:00	24.42	4.28	0.00000292	8309	0.0305			
12/17/16 05:00	24.20	4.29	0.00000289	8309	0.0302			
12/17/16 06:00	24.00	4.35	0.00000287	8309	0.0301			
12/17/16 07:00	24.21	4.37	0.00000289	8309	0.0304			
12/17/16 08:00	23.89	4.33	0.00000285	8309	0.0299			
12/17/16 09:00	24.29	4.28	0.00000290	8309	0.0303			
12/17/16 10:00	24.33	4.27	0.00000291	8309	0.0303			
12/17/16 11:00	24.29	4.24	0.00000290	8309	0.0302			
12/17/16 12:00	24.23	4.25	0.00000289	8309	0.0302			
12/17/16 13:00	24.33	4.22	0.00000291	8309	0.0303			
12/17/16 14:00	23.96	4.29	0.00000286	8309	0.0299			
12/17/16 15:00	23.93	4.24	0.00000286	8309	0.0298			
12/17/16 16:00	23.47	4.26	0.00000280	8309	0.0293			
12/17/16 17:00	23.35	4.24	0.00000279	8309	0.0291			
12/17/16 18:00	23.17	4.28	0.00000277	8309	0.0289			
12/17/16 19:00	23.43	4.25	0.00000280	8309	0.0292			
12/17/16 20:00	23.68	4.24	0.00000283	8309	0.0295			
12/17/16 21:00	24.32	4.27	0.00000290	8309	0.0303			
12/17/16 22:00	24.32	4.28	0.00000290	8309	0.0304			
12/17/16 23:00	24.13	4.32	0.00000288	8309	0.0302	0.0301	0.0329	
12/18/16 00:00	23.80	4.37	0.00000284	8309	0.0298			
12/18/16 01:00	23.86	4.33	0.00000285	8309	0.0299			
12/18/16 02:00	24.34	4.34	0.00000291	8309	0.0305			
12/18/16 03:00	24.38	4.36	0.00000291	8309	0.0306			
12/18/16 04:00	24.28	4.37	0.00000290	8309	0.0305			
12/18/16 05:00	24.24	4.39	0.00000289	8309	0.0304			
12/18/16 06:00	24.31	4.40	0.00000290	8309	0.0305			
12/18/16 07:00	27.08	4.27	0.00000323	8309	0.0338			
12/18/16 08:00	27.49	4.26	0.00000328	8309	0.0343			
12/18/16 09:00	27.55	4.27	0.00000329	8309	0.0344			
12/18/16 10:00	27.74	4.31	0.00000331	8309	0.0347			
12/18/16 11:00	27.64	4.23	0.00000330	8309	0.0344			
12/18/16 12:00	26.12	4.21	0.00000312	8309	0.0325			
12/18/16 13:00	26.77	4.07	0.00000320	8309	0.0330			
12/18/16 14:00	26.98	4.04	0.00000322	8309	0.0332			
12/18/16 15:00	28.40	3.50	0.00000339	8309	0.0339			
12/18/16 16:00	29.12	3.31	0.00000348	8309	0.0343			
12/18/16 17:00	29.46	3.30	0.00000352	8309	0.0347			
12/18/16 18:00	29.81	3.32	0.00000356	8309	0.0352			
12/18/16 19:00	29.93	3.33	0.00000357	8309	0.0353			

	Boiler B-6 (EPN 3-00, EQT 0048) - NOx							
	NO _x (ppmd)	O ₂ (% vol)	C _d (lb/scf)	F _d (scf/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	Comments
60.49b(g)(1)				60.49b(g)(7)	60.49b(g)(2)	60.49b(g)(3)	60.49b(g)(3)	60.49b(g)(4), 60.49b(g)(5), 60.49b(g)(6), 60.49b(g)(8), 60.49b(g)(9)
DATE/TIME	CEM	CEM	Method 19 Table 19-1	Method 19	Method 19 Eq. 19-1	Daily Average	30-DRA Limit = 0.1	
12/18/16 20:00	30.02	3.32	0.00000358	8309	0.0354			
12/18/16 21:00	30.35	3.17	0.00000362	8309	0.0355			
12/18/16 22:00	30.32	3.42	0.00000362	8309	0.0360			
12/18/16 23:00	30.15	3.36	0.00000360	8309	0.0356	0.0333	0.0328	
12/19/16 00:00	30.27	3.41	0.00000361	8309	0.0359			
12/19/16 01:00	29.35	3.40	0.00000350	8309	0.0348			
12/19/16 02:00	29.79	3.11	0.00000356	8309	0.0347			
12/19/16 03:00	30.26	3.08	0.00000361	8309	0.0352			
12/19/16 04:00	29.91	3.04	0.00000357	8309	0.0347			
12/19/16 05:00	30.22	2.96	0.00000361	8309	0.0349			
12/19/16 06:00	30.00	2.88	0.00000358	8309	0.0345			
12/19/16 07:00	30.05	2.82	0.00000359	8309	0.0345			
12/19/16 08:00	29.93	2.83	0.00000357	8309	0.0343			
12/19/16 09:00	29.80	2.92	0.00000356	8309	0.0344			
12/19/16 10:00	29.83	2.81	0.00000356	8309	0.0342			
12/19/16 11:00	30.26	2.81	0.00000361	8309	0.0347			
12/19/16 12:00	29.68	2.75	0.00000354	8309	0.0339			
12/19/16 13:00	29.87	2.84	0.00000357	8309	0.0343			
12/19/16 14:00	30.30	2.85	0.00000362	8309	0.0348			
12/19/16 15:00	29.94	2.97	0.00000358	8309	0.0346			
12/19/16 16:00	30.05	2.91	0.00000359	8309	0.0346			
12/19/16 17:00	30.10	2.91	0.00000359	8309	0.0347			
12/19/16 18:00	29.79	2.95	0.00000356	8309	0.0344			
12/19/16 19:00	30.28	2.67	0.00000362	8309	0.0344			
12/19/16 20:00	30.14	2.69	0.00000360	8309	0.0343			
12/19/16 21:00	30.10	2.62	0.00000359	8309	0.0341			
12/19/16 22:00	30.02	2.69	0.00000358	8309	0.0342			
12/19/16 23:00	29.89	2.69	0.00000357	8309	0.0340	0.0346	0.0329	
12/20/16 00:00	29.89	2.71	0.00000357	8309	0.0341			
12/20/16 01:00	30.08	2.48	0.00000359	8309	0.0339			
12/20/16 02:00	29.94	2.56	0.00000358	8309	0.0339			
12/20/16 03:00	30.06	2.46	0.00000359	8309	0.0338			
12/20/16 04:00	30.05	2.43	0.00000359	8309	0.0337			
12/20/16 05:00	29.98	2.45	0.00000358	8309	0.0337			
12/20/16 06:00	30.04	2.43	0.00000359	8309	0.0337			
12/20/16 07:00	29.93	2.52	0.00000357	8309	0.0338			
12/20/16 08:00	29.97	2.47	0.00000358	8309	0.0337			
12/20/16 09:00	29.97	2.49	0.00000358	8309	0.0338			
12/20/16 10:00	29.96	2.47	0.00000358	8309	0.0337			
12/20/16 11:00	29.97	2.43	0.00000358	8309	0.0337			
12/20/16 12:00	30.00	2.43	0.00000358	8309	0.0337			
12/20/16 13:00	30.00	2.48	0.00000358	8309	0.0338			
12/20/16 14:00	30.03	2.48	0.00000359	8309	0.0338			
12/20/16 15:00	30.00	2.57	0.00000358	8309	0.0339			
12/20/16 16:00	29.92	2.57	0.00000357	8309	0.0339			
12/20/16 17:00	29.96	2.57	0.00000358	8309	0.0339			
12/20/16 18:00	29.97	2.56	0.00000358	8309	0.0339			
12/20/16 19:00	30.02	2.53	0.00000358	8309	0.0339			
12/20/16 20:00	29.92	2.57	0.00000357	8309	0.0338			
12/20/16 21:00	29.88	2.62	0.00000357	8309	0.0339			
12/20/16 22:00	29.99	2.64	0.00000358	8309	0.0340			
12/20/16 23:00	29.89	2.72	0.00000357	8309	0.0341	0.0338	0.0329	
12/21/16 00:00	29.96	2.70	0.00000358	8309	0.0341			
12/21/16 01:00	30.09	2.75	0.00000359	8309	0.0344			
12/21/16 02:00	30.01	2.70	0.00000358	8309	0.0342			
12/21/16 03:00	30.02	2.60	0.00000358	8309	0.0340			
12/21/16 04:00	30.05	2.65	0.00000359	8309	0.0341			
12/21/16 05:00	29.73	2.80	0.00000355	8309	0.0341			
12/21/16 06:00	29.90	2.97	0.00000357	8309	0.0346			
12/21/16 07:00	29.86	2.93	0.00000357	8309	0.0345			
12/21/16 08:00	30.17	2.84	0.00000360	8309	0.0346			
12/21/16 09:00	30.18	2.54	0.00000360	8309	0.0341			
12/21/16 10:00	30.07	2.50	0.00000359	8309	0.0339			
12/21/16 11:00	29.98	2.64	0.00000358	8309	0.0340			
12/21/16 12:00	29.96	2.52	0.00000358	8309	0.0338			
12/21/16 13:00	29.97	2.72	0.00000358	8309	0.0342			
12/21/16 14:00	30.07	2.78	0.00000359	8309	0.0344			
12/21/16 15:00	30.14	2.60	0.00000360	8309	0.0342			
12/21/16 16:00	29.93	2.71	0.00000357	8309	0.0341			
12/21/16 17:00	29.94	2.78	0.00000357	8309	0.0343			
12/21/16 18:00	29.98	2.79	0.00000358	8309	0.0343			
12/21/16 19:00	29.93	2.83	0.00000357	8309	0.0344			
12/21/16 20:00	29.94	2.84	0.00000358	8309	0.0344			
12/21/16 21:00	29.93	2.79	0.00000357	8309	0.0343			
12/21/16 22:00	29.88	2.73	0.00000357	8309	0.0341			
12/21/16 23:00	30.05	2.62	0.00000359	8309	0.0341	0.0342	0.0329	
12/22/16 00:00	29.94	2.74	0.00000357	8309	0.0342			
12/22/16 01:00	29.91	2.92	0.00000357	8309	0.0345			
12/22/16 02:00	30.15	2.61	0.00000360	8309	0.0342			
12/22/16 03:00	29.67	2.83	0.00000354	8309	0.0341			
12/22/16 04:00	29.40	2.75	0.00000351	8287	0.0335			
12/22/16 05:00	29.66	2.70	0.00000354	8287	0.0337			
12/22/16 06:00	29.62	2.73	0.00000354	8287	0.0337			
12/22/16 07:00	28.99	2.95	0.00000346	8287	0.0334			
12/22/16 08:00	30.19	3.89	0.00000360	8287	0.0367			
12/22/16 09:00	30.02	3.90	0.00000358	8287	0.0365			

	Boiler B-6 (EPN 3-00, EQT 0048) - NOx							
	NO _x (ppmd)	O ₂ (% vol)	C _d (lb/scf)	F _d (scf/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	Comments
60.49b(g)(1)				60.49b(g)(7)	60.49b(g)(2)	60.49b(g)(3)	60.49b(g)(3)	60.49b(g)(4), 60.49b(g)(5), 60.49b(g)(6), 60.49b(g)(8), 60.49b(g)(9)
DATE/TIME	CEM	CEM	Method 19 Table 19-1	Method 19	Method 19 Eq. 19-1	Daily Average	30-DRA Limit = 0.1	
12/22/16 10:00	29.63	4.04	0.00000354	8287	0.0363			
12/22/16 11:00	29.86	4.06	0.00000357	8287	0.0367			
12/22/16 12:00	29.78	3.97	0.00000356	8287	0.0364			
12/22/16 13:00	30.19	3.62	0.00000360	8287	0.0361			
12/22/16 14:00	30.11	3.43	0.00000359	8287	0.0356			
12/22/16 15:00	30.04	3.31	0.00000359	8287	0.0353			
12/22/16 16:00	30.03	3.47	0.00000359	8287	0.0356			
12/22/16 17:00	30.13	3.60	0.00000360	8287	0.0360			
12/22/16 18:00	30.06	3.58	0.00000359	8287	0.0359			
12/22/16 19:00	29.95	3.69	0.00000358	8287	0.0360			
12/22/16 20:00	29.95	3.74	0.00000358	8287	0.0361			
12/22/16 21:00	30.05	3.70	0.00000359	8287	0.0361			
12/22/16 22:00	30.00	3.71	0.00000358	8287	0.0361			
12/22/16 23:00	30.00	3.79	0.00000358	8287	0.0363	0.0354	0.0329	
12/23/16 00:00	30.00	3.69	0.00000358	8287	0.0361			
12/23/16 01:00	29.95	3.83	0.00000358	8287	0.0363			
12/23/16 02:00	30.03	3.81	0.00000359	8287	0.0363			
12/23/16 03:00	30.14	3.70	0.00000360	8287	0.0362			
12/23/16 04:00	30.06	3.93	0.00000359	8287	0.0366			
12/23/16 05:00	30.07	3.68	0.00000359	8287	0.0361			
12/23/16 06:00	30.19	3.03	0.00000361	8287	0.0349			
12/23/16 07:00	30.25	2.96	0.00000361	8287	0.0349			
12/23/16 08:00	29.95	2.74	0.00000358	8287	0.0341			
12/23/16 09:00	30.02	2.65	0.00000358	8287	0.0340			
12/23/16 10:00	30.05	2.70	0.00000359	8287	0.0341			
12/23/16 11:00	29.85	2.61	0.00000356	8287	0.0337			
12/23/16 12:00	29.91	2.63	0.00000357	8287	0.0338			
12/23/16 13:00	29.89	2.62	0.00000357	8287	0.0338			
12/23/16 14:00	29.91	2.72	0.00000357	8287	0.0340			
12/23/16 15:00	30.10	2.64	0.00000359	8287	0.0341			
12/23/16 16:00	29.96	2.64	0.00000358	8287	0.0339			
12/23/16 17:00	30.03	2.61	0.00000359	8287	0.0339			
12/23/16 18:00	30.00	2.64	0.00000358	8287	0.0340			
12/23/16 19:00	29.87	2.61	0.00000357	8287	0.0338			
12/23/16 20:00	29.85	2.84	0.00000356	8287	0.0342			
12/23/16 21:00	30.22	2.77	0.00000361	8287	0.0345			
12/23/16 22:00	30.00	2.65	0.00000358	8287	0.0340			
12/23/16 23:00	29.98	2.79	0.00000358	8287	0.0342	0.0347	0.0330	
12/24/16 00:00	30.08	2.88	0.00000359	8287	0.0345			
12/24/16 01:00	29.91	2.90	0.00000357	8287	0.0344			
12/24/16 02:00	30.26	2.64	0.00000361	8287	0.0343			
12/24/16 03:00	29.98	2.67	0.00000358	8287	0.0340			
12/24/16 04:00	29.98	2.61	0.00000358	8287	0.0339			
12/24/16 05:00	30.01	2.62	0.00000358	8287	0.0339			
12/24/16 06:00	30.01	2.58	0.00000358	8287	0.0339			
12/24/16 07:00	29.98	2.70	0.00000358	8287	0.0341			
12/24/16 08:00	29.81	2.57	0.00000356	8287	0.0336			
12/24/16 09:00	30.01	2.54	0.00000358	8287	0.0338			
12/24/16 10:00	30.07	2.52	0.00000359	8287	0.0338			
12/24/16 11:00	30.12	2.56	0.00000360	8287	0.0340			
12/24/16 12:00	29.99	2.57	0.00000358	8287	0.0338			
12/24/16 13:00	30.05	2.56	0.00000359	8287	0.0339			
12/24/16 14:00	30.10	2.52	0.00000359	8287	0.0339			
12/24/16 15:00	30.00	2.55	0.00000358	8287	0.0338			
12/24/16 16:00	30.16	2.56	0.00000360	8287	0.0340			
12/24/16 17:00	30.03	2.61	0.00000359	8287	0.0340			
12/24/16 18:00	30.00	2.78	0.00000358	8287	0.0342			
12/24/16 19:00	30.18	3.25	0.00000360	8287	0.0354			
12/24/16 20:00	29.78	3.34	0.00000356	8287	0.0351			
12/24/16 21:00	29.87	3.37	0.00000357	8287	0.0352			
12/24/16 22:00	30.14	3.52	0.00000360	8287	0.0359			
12/24/16 23:00	30.05	3.52	0.00000359	8287	0.0357	0.0343	0.0331	
12/25/16 00:00	29.92	3.40	0.00000357	8287	0.0354			
12/25/16 01:00	29.94	3.44	0.00000358	8287	0.0355			
12/25/16 02:00	29.94	3.44	0.00000358	8287	0.0355			
12/25/16 03:00	29.98	3.31	0.00000358	8287	0.0352			
12/25/16 04:00	30.03	3.39	0.00000359	8287	0.0355			
12/25/16 05:00	29.91	3.33	0.00000357	8287	0.0352			
12/25/16 06:00	29.94	3.35	0.00000357	8287	0.0353			
12/25/16 07:00	29.93	3.36	0.00000357	8287	0.0353			
12/25/16 08:00	29.99	3.41	0.00000358	8287	0.0355			
12/25/16 09:00	30.03	3.23	0.00000359	8287	0.0351			
12/25/16 10:00	30.10	2.87	0.00000359	8287	0.0345			
12/25/16 11:00	30.01	3.13	0.00000358	8287	0.0349			
12/25/16 12:00	30.11	3.31	0.00000360	8287	0.0354			
12/25/16 13:00	29.79	3.75	0.00000356	8287	0.0359			
12/25/16 14:00	29.88	3.67	0.00000357	8287	0.0359			
12/25/16 15:00	30.09	3.87	0.00000359	8287	0.0365			
12/25/16 16:00	29.90	4.12	0.00000357	8287	0.0368			
12/25/16 17:00	29.88	4.06	0.00000357	8287	0.0367			
12/25/16 18:00	30.08	4.22	0.00000359	8287	0.0373			
12/25/16 19:00	29.90	4.30	0.00000357	8287	0.0372			
12/25/16 20:00	29.95	4.36	0.00000358	8287	0.0374			
12/25/16 21:00	29.85	4.32	0.00000356	8287	0.0372			
12/25/16 22:00	29.94	4.07	0.00000358	8287	0.0368			
12/25/16 23:00	30.05	3.95	0.00000359	8287	0.0366	0.0359	0.0332	

	Boiler B-6 (EPN 3-00, EQT 0048) - NOx							
	NO _x (ppmd)	O ₂ (% vol)	C _d (lb/scf)	F _d (scf/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	Comments
60.49b(g)(1)				60.49b(g)(7)	60.49b(g)(2)	60.49b(g)(3)	60.49b(g)(3)	60.49b(g)(4), 60.49b(g)(5), 60.49b(g)(6), 60.49b(g)(8), 60.49b(g)(9)
DATE/TIME	CEM	CEM	Method 19 Table 19-1	Method 19	Method 19 Eq. 19-1	Daily Average	30-DRA Limit = 0.1	
12/26/16 00:00	30.02	4.06	0.00000358	8287	0.0369			
12/26/16 01:00	29.82	4.19	0.00000356	8287	0.0369			
12/26/16 02:00	29.97	4.13	0.00000358	8287	0.0370			
12/26/16 03:00	30.03	4.13	0.00000359	8287	0.0370			
12/26/16 04:00	30.02	4.09	0.00000358	8287	0.0369			
12/26/16 05:00	29.98	4.11	0.00000358	8287	0.0369			
12/26/16 06:00	29.97	4.14	0.00000358	8287	0.0370			
12/26/16 07:00	30.01	4.20	0.00000358	8287	0.0372			
12/26/16 08:00	30.07	3.62	0.00000359	8287	0.0360			
12/26/16 09:00	30.06	3.70	0.00000359	8287	0.0361			
12/26/16 10:00	30.06	3.75	0.00000359	8287	0.0362			
12/26/16 11:00	30.05	3.89	0.00000359	8287	0.0365			
12/26/16 12:00	30.04	3.85	0.00000359	8287	0.0364			
12/26/16 13:00	29.97	3.88	0.00000358	8287	0.0364			
12/26/16 14:00	29.99	4.14	0.00000358	8287	0.0370			
12/26/16 15:00	29.82	3.88	0.00000356	8287	0.0362			
12/26/16 16:00	29.99	3.91	0.00000358	8287	0.0365			
12/26/16 17:00	29.88	3.91	0.00000357	8287	0.0364			
12/26/16 18:00	29.98	3.97	0.00000358	8287	0.0366			
12/26/16 19:00	29.88	3.80	0.00000357	8287	0.0361			
12/26/16 20:00	30.00	3.91	0.00000358	8287	0.0365			
12/26/16 21:00	29.83	3.83	0.00000356	8287	0.0361			
12/26/16 22:00	29.96	3.65	0.00000358	8287	0.0359			
12/26/16 23:00	29.87	3.88	0.00000357	8287	0.0363	0.0365	0.0333	
12/27/16 00:00	29.80	3.85	0.00000356	8287	0.0362			
12/27/16 01:00	29.77	3.89	0.00000355	8287	0.0362			
12/27/16 02:00	29.58	3.79	0.00000353	8287	0.0357			
12/27/16 03:00	29.51	3.77	0.00000352	8287	0.0356			
12/27/16 04:00	29.83	3.75	0.00000356	8287	0.0360			
12/27/16 05:00	29.95	3.83	0.00000358	8287	0.0363			
12/27/16 06:00	29.92	3.75	0.00000357	8287	0.0361			
12/27/16 07:00	30.00	3.80	0.00000358	8287	0.0363			
12/27/16 08:00	30.02	3.78	0.00000358	8287	0.0363			
12/27/16 09:00	30.26	3.30	0.00000361	8287	0.0356			
12/27/16 10:00	30.15	3.18	0.00000360	8287	0.0352			
12/27/16 11:00	30.14	3.36	0.00000360	8287	0.0355			
12/27/16 12:00	29.95	3.36	0.00000358	8287	0.0353			
12/27/16 13:00	29.96	3.57	0.00000358	8287	0.0357			
12/27/16 14:00	30.08	3.57	0.00000359	8287	0.0359			
12/27/16 15:00	29.94	3.44	0.00000357	8287	0.0354			
12/27/16 16:00	30.09	3.07	0.00000359	8287	0.0349			
12/27/16 17:00	29.99	3.07	0.00000358	8287	0.0348			
12/27/16 18:00	29.86	3.07	0.00000356	8287	0.0346			
12/27/16 19:00	30.01	3.08	0.00000358	8287	0.0348			
12/27/16 20:00	29.99	2.99	0.00000358	8287	0.0346			
12/27/16 21:00	30.06	2.99	0.00000359	8287	0.0347			
12/27/16 22:00	30.02	3.01	0.00000358	8287	0.0347			
12/27/16 23:00	30.00	2.98	0.00000358	8287	0.0346	0.0355	0.0333	
12/28/16 00:00	30.09	2.97	0.00000359	8287	0.0347			
12/28/16 01:00	29.91	2.89	0.00000357	8287	0.0343			
12/28/16 02:00	29.97	2.85	0.00000358	8287	0.0343			
12/28/16 03:00	30.09	2.73	0.00000359	8287	0.0342			
12/28/16 04:00	29.96	2.74	0.00000358	8287	0.0341			
12/28/16 05:00	30.02	2.74	0.00000358	8287	0.0342			
12/28/16 06:00	30.05	2.69	0.00000359	8287	0.0341			
12/28/16 07:00	30.05	2.92	0.00000359	8287	0.0346			
12/28/16 08:00	30.23	3.21	0.00000361	8287	0.0353			
12/28/16 09:00	30.17	3.38	0.00000360	8287	0.0356			
12/28/16 10:00	30.14	3.52	0.00000360	8287	0.0359			
12/28/16 11:00	30.49	3.56	0.00000364	8287	0.0364			
12/28/16 12:00	31.30	3.41	0.00000374	8287	0.0370			
12/28/16 13:00	31.18	3.22	0.00000372	8287	0.0365			
12/28/16 14:00	31.18	3.23	0.00000372	8287	0.0365			
12/28/16 15:00	31.12	3.51	0.00000372	8287	0.0370			
12/28/16 16:00	30.71	3.63	0.00000367	8287	0.0368			
12/28/16 17:00	30.44	3.48	0.00000364	8287	0.0361			
12/28/16 18:00	30.01	3.46	0.00000358	8287	0.0356			
12/28/16 19:00	29.99	2.99	0.00000358	8287	0.0346			
12/28/16 20:00	29.91	2.91	0.00000357	8287	0.0344			
12/28/16 21:00	29.91	2.83	0.00000357	8287	0.0342			
12/28/16 22:00	30.00	2.80	0.00000358	8287	0.0343			
12/28/16 23:00	30.03	2.80	0.00000359	8287	0.0343	0.0352	0.0333	
12/29/16 00:00	30.02	2.82	0.00000358	8287	0.0343			
12/29/16 01:00	30.02	2.81	0.00000358	8287	0.0343			
12/29/16 02:00	30.00	2.79	0.00000358	8287	0.0343			
12/29/16 03:00	30.01	2.82	0.00000358	8287	0.0343			
12/29/16 04:00	30.03	2.85	0.00000359	8186	0.0340			
12/29/16 05:00	30.00	2.86	0.00000358	8186	0.0340			
12/29/16 06:00	29.97	2.86	0.00000358	8186	0.0339			
12/29/16 07:00	30.09	2.87	0.00000359	8186	0.0341			
12/29/16 08:00	29.96	2.94	0.00000358	8186	0.0341			
12/29/16 09:00	30.14	2.85	0.00000360	8186	0.0341			
12/29/16 10:00	30.19	2.98	0.00000361	8186	0.0344			
12/29/16 11:00	30.91	3.14	0.00000369	8186	0.0356			
12/29/16 12:00	31.96	3.21	0.00000382	8186	0.0369			
12/29/16 13:00	32.18	3.23	0.00000384	8186	0.0372			

	Boiler B-6 (EPN 3-00, EQT 0048) - NOx							Comments
	NO _x (ppmd)	O ₂ (% vol)	C _d (lb/scf)	F _d (scf/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	NO _x (lb/MMBtu)	
60.49b(g)(1)				60.49b(g)(7)	60.49b(g)(2)	60.49b(g)(3)	60.49b(g)(3)	60.49b(g)(4), 60.49b(g)(5), 60.49b(g)(6), 60.49b(g)(8), 60.49b(g)(9)
DATE/TIME	CEM	CEM	Method 19 Table 19-1	Method 19	Method 19 Eq. 19-1	Daily Average	30-DRA Limit = 0.1	
12/29/16 14:00	32.62	3.19	0.00000389	8186	0.0376			
12/29/16 15:00	32.60	2.96	0.00000389	8186	0.0371			
12/29/16 16:00	32.48	3.31	0.00000388	8186	0.0377			
12/29/16 17:00	32.43	3.20	0.00000387	8186	0.0374			
12/29/16 18:00	32.10	3.21	0.00000383	8186	0.0371			
12/29/16 19:00	32.11	3.18	0.00000383	8186	0.0370			
12/29/16 20:00	32.07	3.23	0.00000383	8186	0.0371			
12/29/16 21:00	32.44	3.13	0.00000387	8186	0.0373			
12/29/16 22:00	32.44	3.20	0.00000387	8186	0.0374			
12/29/16 23:00	32.49	3.27	0.00000388	8186	0.0376	0.0358	0.0333	
12/30/16 00:00	32.50	2.89	0.00000388	8186	0.0369			
12/30/16 01:00	32.38	2.95	0.00000387	8186	0.0368			
12/30/16 02:00	32.33	2.78	0.00000386	8186	0.0364			
12/30/16 03:00	32.67	2.76	0.00000390	8186	0.0368			
12/30/16 04:00	32.67	2.69	0.00000390	8186	0.0366			
12/30/16 05:00	32.66	2.64	0.00000390	8186	0.0365			
12/30/16 06:00	33.02	2.62	0.00000394	8186	0.0369			
12/30/16 07:00	33.24	2.64	0.00000397	8186	0.0372			
12/30/16 08:00	33.61	2.64	0.00000401	8186	0.0376			
12/30/16 09:00	33.99	2.57	0.00000406	8186	0.0379			
12/30/16 10:00	34.25	2.54	0.00000409	8186	0.0381			
12/30/16 11:00	35.36	2.55	0.00000422	8186	0.0394			
12/30/16 12:00	35.64	2.74	0.00000426	8186	0.0401			
12/30/16 13:00	35.23	2.57	0.00000421	8186	0.0393			
12/30/16 14:00	34.84	2.57	0.00000416	8186	0.0388			
12/30/16 15:00	34.68	2.57	0.00000414	8186	0.0386			
12/30/16 16:00	34.70	2.57	0.00000414	8186	0.0387			
12/30/16 17:00	34.18	2.58	0.00000408	8186	0.0381			
12/30/16 18:00	34.00	2.56	0.00000406	8186	0.0379			
12/30/16 19:00	33.49	2.81	0.00000400	8186	0.0378			
12/30/16 20:00	33.18	2.86	0.00000396	8186	0.0376			
12/30/16 21:00	33.19	2.70	0.00000396	8186	0.0373			
12/30/16 22:00	32.93	2.65	0.00000393	8186	0.0369			
12/30/16 23:00	32.72	2.57	0.00000391	8186	0.0365	0.0377	0.0334	
12/31/16 00:00	32.55	2.58	0.00000389	8186	0.0363			
12/31/16 01:00	32.50	2.57	0.00000388	8186	0.0362			
12/31/16 02:00	32.23	2.59	0.00000385	8186	0.0360			
12/31/16 03:00	32.10	2.59	0.00000383	8186	0.0358			
12/31/16 04:00	31.88	2.59	0.00000381	8186	0.0356			
12/31/16 05:00	31.83	2.60	0.00000380	8186	0.0355			
12/31/16 06:00	31.65	2.60	0.00000378	8186	0.0353			
12/31/16 07:00	31.12	2.64	0.00000372	8186	0.0348			
12/31/16 08:00	31.04	2.65	0.00000371	8186	0.0348			
12/31/16 09:00	30.97	2.70	0.00000370	8186	0.0348			
12/31/16 10:00	30.80	2.73	0.00000368	8186	0.0346			
12/31/16 11:00	30.75	2.78	0.00000367	8186	0.0347			
12/31/16 12:00	30.85	2.87	0.00000368	8186	0.0349			
12/31/16 13:00	30.66	2.86	0.00000366	8186	0.0347			
12/31/16 14:00	30.45	2.90	0.00000364	8186	0.0346			
12/31/16 15:00	30.11	2.89	0.00000360	8186	0.0342			
12/31/16 16:00	30.12	2.88	0.00000360	8186	0.0342			
12/31/16 17:00	30.04	2.92	0.00000359	8186	0.0341			
12/31/16 18:00	29.88	2.89	0.00000357	8186	0.0339			
12/31/16 19:00	29.86	2.82	0.00000357	8186	0.0337			
12/31/16 20:00	30.14	2.79	0.00000360	8186	0.0340			
12/31/16 21:00	29.87	2.87	0.00000357	8186	0.0339			
12/31/16 22:00	28.51	2.87	0.00000340	8186	0.0323			
12/31/16 23:00	30.20	2.72	0.00000361	8186	0.0339	0.0347	0.0334	