

MURPHY
OIL USA, INC.

MERAUX REFINERY
P O BOX 100
MERAUX LA 70075-0100

April 28, 2011

CERTIFIED: 7001 1140 0001 6090 7487

Department of Environmental Quality
Office of Environmental Compliance
Enforcement Division
602 North Fifth Street
Baton Rouge, LA 70802
(225) 219-3700

Re: NSPS Excess Emissions & CEM Performance Report - 1st Quarter 2011
Murphy Oil USA, Inc. Meraux Refinery, Agency Interest # 1238
2500 East St. Bernard Hwy., St. Bernard Parish, Meraux, LA
Title V Permit Numbers: 2500-00001-V5

Gentlemen,

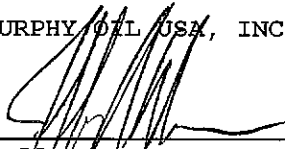
Murphy Oil USA, Inc. (MOUSA) is hereby submitting the Excess Emissions and Monitoring Systems Reports, per LAC 33:III, Chapter 30, 40 CFR 60.7(c) and 40 CFR 63.1575 for the First Quarter 2011. For the reporting period, excess emissions greater than 1 percent of the total operating time was exceeded at the #2 FCCU ESP Stack (EPN 2-77, EQT 0032) for Carbon Monoxide. No CEMS had downtime greater than 5 percent of the total operating time. Also enclosed are the Data Assessment Reports for the appropriate CEMs.

Should you have any questions regarding this submission, please contact Ms. Liz Lundmark or myself 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,

MURPHY OIL USA, INC.



Jeffrey K. Warmann
Refinery Manager
Meraux Refinery

Enclosures

cc: Mr. Mike Algero, LDEQ SE Regional Office, New Orleans, LA

MURPHY
USA★

(504) 271-4141

FAX (504) 278-5201

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

(per 40 CFR 60.7(d))

Pollutant: SO₂____ NO_x____ TRS____ H₂S____ CO____ Opacity x

Reporting period dates: From 1/01/11 to 3/31/11

Date submitted: 4/30/11

Company: Murphy Oil USA, Inc., Meraux Refinery

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

Emission Limitation: Opacity shall not exceed 30% for more than one 6-minute interval in any hourly period.

Monitor Manufacturer and Model No.: Monitor Labs Inc., #550

Date of Latest CMS Certification or Audit: Certification (4/11/01)

Process Unit(s) Description: #2 FCCU ESP Stack (EPN 2-77, EQT 0032)

Total source operating time in reporting period¹: 127,371 minutes

Emissions Data Summary¹	
1. Duration of excess emissions in reporting period due to:	<i>(minutes)</i>
a. Startup/shutdown	368
b. Control equipment problems	0
c. Process problems	0
d. Other known causes	12
e. Unknown causes	0
2. Total duration of excess emission	380
3. Total duration of excess emissions x (100) [Total source operating time] ²	0.3 %

CMS Performance Summary¹	
1. CMS downtime in reporting period due to:	<i>(minutes)</i>
a. Monitor equipment malfunctions	0
b. Non-Monitor equipment malfunctions	0
c. Quality assurance calibration	0
d. Other known causes	13
e. Unknown causes	0
2. Total CMS Downtime	13
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))

Pollutant: SO₂___ NO_x___ TRS ___ H₂S ___ CO_x ___ Opacity ___

Reporting period dates: From 1/01/11 to 3/31/11

Date submitted: 4/30/11

Company: Murphy Oil USA, Inc., Meraux Refinery

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

Emission Limitation: Carbon Monoxide shall not exceed 500 ppm on an hourly average.

Monitor Manufacturer and Model No.: Thermo Environmental 48C

Date of Latest CMS Certification or Audit: CGA on 1/18/11

Process Unit(s) Description: #2 FCCU ESP Stack (EPN 2-77, EQT 0032)

Total source operating time in reporting period: 2121 hours

Emissions Data Summary¹	
1. Duration of excess emissions in reporting period due to:	<i>(hours)</i>
a. Startup/shutdown	56
b. Control equipment problems	0
c. Process problems	0
d. Other known causes	0
e. Unknown causes	0
2. Total duration of excess emission	56
3. Total duration of excess emissions x (100) [Total source operating time] ²	2.6 %

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	5
d. Other known causes	0
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: SO₂ x NO_x TRS H₂S CO Opacity

Reporting period dates: From 1/01/11 to 3/31/11

Date submitted: 4/30/11

Company: Murphy Oil USA, Inc., Meraux Refinery

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

Emission Limitation: Sulfur Dioxide 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 2/18/11 (SO₂), 2/09/11 (O₂)

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

Total source operating time in reporting period: 2160 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	2
b. Non-Monitor equipment malfunctions	0
c. Quality assurance calibration	2
d. Other known causes	3
e. Unknown causes	0
2. Total CMS Downtime	7
3. Total duration of CMS Downtime x (100) [Total source operating time] ²	0.3 %

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: SO₂ x NO_x TRS H₂S CO Opacity

Reporting period dates: From 1/01/11 to 3/31/11

Date submitted: 4/30/11

Company: Murphy Oil USA, Inc., Meraux Refinery

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

Emission Limitation: Sulfur Dioxide shall not exceed 250 ppm on an 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 2/18/11 (SO₂), 2/09/11 (O₂)

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

Total source operating time in reporting period: 2155 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	40
b. Non-Monitor equipment malfunctions	0
c. Quality assurance calibration	2
d. Other known causes	0
e. Unknown causes	0
2. Total CMS Downtime	42
3. Total duration of CMS Downtime x (100) [Total source operating time] ²	1.9 %

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: SO₂___ NO_x___ TRS___ H₂S x CO___ Opacity___

Reporting period dates: From 1/01/11 to 3/31/11

Date submitted: 4/30/11

Company: Murphy Oil USA, Inc., Meraux Refinery

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

Emission Limitation: Hydrogen Sulfide shall not exceed 160 ppm on a 3-hour rolling average.

Monitor Manufacturer and Model No.: Ametek, #4661

Date of Latest CMS Certification or Audit: CGA on 2/15/11

Process Unit(s) Description: Area 1 Fuel Drum for Boiler TB-01 (EPN 1-06, EQT 0010) and Boiler B-7 (EPN 1-07, EQT 0011)

Total source operating time in reporting period: 2160 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	23
b. Non-Monitor equipment malfunctions	0
c. Quality assurance calibration	1
d. Other known causes	4
e. Unknown causes	0
2. Total CMS Downtime	28
3. Total duration of CMS Downtime x (100) [Total source operating time] ²	1.3%

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: SO₂___ NO_x___ TRS___ H₂S x CO___ Opacity___

Reporting period dates: From 1/01/11 to 3/31/11

Date submitted: 4/30/11

Company: Murphy Oil USA, Inc., Meraux Refinery

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

Emission Limitation: Hydrogen Sulfide shall not exceed 160 ppm on a 3-hour rolling average.

Monitor Manufacturer and Model No.: Ametek, #4661

Date of Latest CMS Certification or Audit: CGA on 2/15/11

Process Unit(s) Description: Area 2 Fuel Drum for: MDH Product and Fractionator Heaters (EPN 2-92, EQT 0033);
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);
Hydrobon Charge Heater (EPN 14-72, EQT 0023)

Total source operating time in reporting period: 2160 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	1
d. Other known causes	1
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: SO₂___ NO_x___ TRS___ H₂S x CO___ Opacity _____

Reporting period dates: From 1/01/11 to 3/31/11

Date submitted: 4/30/11

Company: Murphy Oil USA, Inc., Meraux Refinery

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

Emission Limitation: Hydrogen Sulfide shall not exceed 160 ppm on a 3-hour rolling average.

Monitor Manufacturer and Model No.: Ametek, #4661

Date of Latest CMS Certification or Audit: CGA on 2/16/11

Process Unit(s) Description: Area 4 Fuel Drum for Alky Reboiler (EPN 1-77, EQT 0078)

Total source operating time in reporting period: 2160 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	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))

Pollutant: SO₂___ NO_x___ TRS___ H₂S x CO___ Opacity ___

Reporting period dates: From 1/01/11 to 3/31/11

Date submitted: 4/30/11

Company: Murphy Oil USA, Inc., Meraux Refinery

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

Emission Limitation: Hydrogen Sulfide shall not exceed 160 ppm on a 3-hour rolling average.

Monitor Manufacturer and Model No.: Ametek, #4661

Date of Latest CMS Certification or Audit: CGA on 2/16/11

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: 2160 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	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))

Pollutant: SO₂___ NO_x___ TRS___ H₂S x CO___ Opacity___

Reporting period dates: From 1/01/11 to 3/31/11

Date submitted: 4/30/11

Company: Murphy Oil USA, Inc., Meraux Refinery

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

Emission Limitation: Hydrogen Sulfide shall not exceed 160 ppm on a 3-hour rolling average.

Monitor Manufacturer and Model No.: Ametek, #4661

Date of Latest CMS Certification or Audit: CGA on 2/16/11

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)

Total source operating time in reporting period: 2160 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	10
b. Non-Monitor equipment malfunctions	0
c. Quality assurance calibration	1
d. Other known causes	8
e. Unknown causes	0
2. Total CMS Downtime	19
3. Total duration of CMS Downtime x (100) [Total source operating time] ²	0.9 %

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: SO₂___ NO_x x___ TRS___ H₂S___ CO___ Opacity.

Reporting period dates: From 1/01/11 to 3/31/11.

Date submitted: 4/30/11

Company: Murphy Oil USA, Inc., Meraux Refinery

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 Lumus 11, Serial No. 23042-5-8018413

Date of Latest CMS Certification or Audit: CGA on 2/11/11 (NO_x), 2/11/11 (O₂)

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

Total source operating time in reporting period: 2078 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	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: SO₂___ NO_x x TRS___ H₂S___ CO___ Opacity ___

Reporting period dates: From 1/01/11 to 3/31/11

Date submitted: 4/30/11

Company: Murphy Oil USA, Inc., Meraux Refinery

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 Lumus 11, Serial No. 23042-5-8018413

Date of Latest CMS Certification or Audit: CGA on 2/11/11 (NO_x), 2/11/11 (O₂)

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

Total source operating time in reporting period: 2081 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	2
d. Other known causes	4
e. Unknown causes	0
2. Total CMS Downtime	6
3. Total duration of CMS Downtime x (100) [Total source operating time] ²	0.3 %

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: SO₂___ NO_x___ TRS___ H₂S___ CO___ Opacity___

Reporting period dates: From 1/01/11 to 3/31/11

Date submitted: 4/30/11

Company: Murphy Oil USA, Inc., Meraux Refinery

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

Date of Latest CMS Certification or Audit: CGA on 2/17/11 (NO_x), 2/16/11 (O₂)

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

Total source operating time in reporting period: 2160 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	33
b. Non-Monitor equipment malfunctions	0
c. Quality assurance calibration	3
d. Other known causes	2
e. Unknown causes	0
2. Total CMS Downtime	38
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.

**GASEOUS AND OPACITY EXCESS EMISSIONS AND
MONITORING SYSTEMS PERFORMANCE**
(per 40 CFR 60.7(c))

Pollutant: SO₂___ NO_x___ TRS___ H₂S___ CO x Opacity ___

Reporting period dates: From 1/01/11 to 3/31/11

Date submitted: 4/30/11

Company: Murphy Oil USA, Inc., Meraux Refinery

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

Emission Limitation: Carbon Monoxide shall not exceed 500 ppm on an hourly average.

Monitor Manufacturer and Model No.: Thermo Environmental 48C

Date of Latest CMS Certification or Audit: CGA on 1/18/11

Process Unit(s) Description: #2 FCCU ESP Stack (EPN 2-77, EQT 0032)

Total source operating time in reporting period: 2121 hours

EXCESS EMISSIONS						
Date	Start	End	Duration (hours)	Max 1-HRA (ppm)	Cause	Corrective Action
2/8/11	20:09		28	>1000	#2 FCC CO > 500 ppm, 1-HRA during unit shutdown. MOUSA shut down the #2 FCC to repair a leak from a 1/16 inch hole on the Reactor just above the stripping section. Torch Oil was used to maintain Regenerator temperature.	MOUSA repaired the leak and conducted a shutdown of the #2 FCC according to operational procedures. The use of Torch Oil causes elevated levels of CO. On 2/10/11, MOUSA ignited the #2 FCC Air Preheater and removed Torch Oil to reduce CO.
2/10/11		00:09				
2/11/11	16:48		10	>1000	2 FCC CO > 500 ppm, 1-HRA during unit start up. The startup was unexpectedly delayed by the discovery of a separate leak on the Reactor Manway. Torch Oil and the #2 FCC Air Preheater was used during the startup to minimize CO.	MOUSA repaired the second leak and conducted a startup of the #2 FCC according to operational procedures. The use of Torch Oil causes elevated levels of CO.
2/12/11		02:48				
2/12/11	05:33	09:33	4	>1000		
2/13/11	02:06	05:06	3	>1000		
2/13/11	05:22	16:22	11	>1000		
TOTAL			56			

CMS PERFORMANCE					
Date	Start	End	Duration (hours)	Cause	Corrective Action
1/18/11	08:07	09:07	1	CO Cylinder Gas Audit	N/A
1/18/11	10:05	12:05	2	SO ₂ and NO _x Cylinder Gas Audits	N/A
2/7/11	10:34	11:34	1	CO ₂ Cylinder Gas Audit	N/A
2/17/11	08:14	09:14	1	O ₂ Cylinder Gas Audit	N/A
TOTAL			5		

DATA ASSESSMENT REPORT

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

Pollutant: SO₂___ NO_x___ TRS___ H₂S___ CO___ Opacity x

Reporting period dates: From 1/01/11 to 3/31/11

Date submitted: 4/30/11

Company: Murphy Oil USA, Inc., Meraux Refinery

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

Monitor Manufacturer and Model No.: Monitor Labs, Model #550

Process Unit(s) Description: #2 FCCU ESP Stack (EPN 2-77, EQT 0032)

CEM Sampling Location: #2 FCCU ESP Stack

CEM Span Value: Opacity 100%

I. ACCURACY ASSESSMENT RESULTS

Not applicable to opacity monitors.

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: SO₂___ NO_x___ TRS___ H₂S___ CO x Opacity ___

Reporting period dates: From 1/01/11 to 3/31/11

Date submitted: 4/30/11

Company: Murphy Oil USA, Inc., Meraux Refinery

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

Monitor Manufacturer and Model No.: Thermo Environmental 48C

Process Unit(s) Description: #2 FCCU ESP Stack (EPN 2-77, EQT 0032)

CEM Sampling Location: #2 FCCU ESP Stack

CEM Span Value: Carbon Monoxide 1000 ppm

I. ACCURACY ASSESSMENT RESULTS (CGA):

	CO #1 (low scale)	CO #2 (high scale)
Date of Audit	1/18/11	1/18/11
Audit Gas Cylinder No.	CC176140	CC26687
Date of Audit Gas Cert.	12/22/09	3/10/09
Type of Certification	EPA Protocol 1	EPA Protocol 1
Certified Audit Value	245.6	585.2
CEM Response Value	255.0	598.3
Accuracy	3.8%	2.2%
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: SO₂ x NO_x TRS H₂S CO Opacity

Reporting period dates: From 1/01/11 to 3/31/11

Date submitted: 4/30/11

Company: Murphy Oil USA, Inc., Meraux Refinery

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

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	2/18/11	2/18/11	2/9/11	2/9/11
Audit Gas Cylinder No.	CC135773	SG9163703	XC019583B	SG9150283BAL
Date of Audit Gas Cert.	12/21/09	12/17/09	12/11/09	12/14/09
Type of Certification	EPA Protocol 1	EPA Protocol 1	EPA Protocol 1	EPA Protocol 1
Certified Audit Value	124.0	274.5	6.32	10.1
CEM Response Value	129.3	284.7	6.20	9.9
Accuracy	4.3%	3.7%	1.8%	1.7%
Standard	<15%	<15%	<15%	<15%

I. 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: SO₂ x NO_x _____ TRS _____ H₂S _____ CO _____ Opacity _____

Reporting period dates: From 1/01/11 to 3/31/11

Date submitted: 4/30/11

Company: Murphy Oil USA, Inc., Meraux Refinery

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

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	2/18/11	2/18/11	2/9/11	2/9/11
Audit Gas Cylinder No.	CC135773	SG9163703	XC019583B	SG9150283BAL
Date of Audit Gas Cert.	12/21/09	12/17/09	12/11/09	12/14/09
Type of Certification	EPA Protocol 1	EPA Protocol 1	EPA Protocol 1	EPA Protocol 1
Certified Audit Value	124.0	274.5	6.32	10.1
CEM Response Value	137.7	287.0	6.47	10.2
Accuracy	11.0%	4.6%	2.4%	1.0%
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: SO₂___ NO_x___ TRS___ H₂S x CO___ Opacity ___

Reporting period dates: From 1/01/11 to 3/31/11

Date submitted: 4/30/11

Company: Murphy Oil USA, Inc., Meraux Refinery

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

Monitor Manufacturer and Model No.: Ametek, #4661

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

CEM Sampling Location: Area I 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	2/15/11	2/15/11
Audit Gas Cylinder No.	CC152579	CC288256
Date of Audit Gas Cert.	1/26/11	1/25/11
Type of Certification	EPA Protocol 1	EPA Protocol 1
Certified Audit Value	74.5	164.9
CEM Response Value	71.7	155.3
Accuracy	3.8%	5.8%
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: SO₂___ NO_x___ TRS___ H₂S x CO___ Opacity___

Reporting period dates: From 1/01/11 to 3/31/11

Date submitted: 4/30/11

Company: Murphy Oil USA, Inc., Meraux Refinery

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

Monitor Manufacturer and Model No.: Ametek, #4661

Source Unit: Area 2 Fuel Drum for: MDH Product and Fractionator Heaters (EPN 2-92, EQT 0033);
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);
Hydrobon Charge Heater (EPN 14-72, EQT 0023)

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	2/15/11	2/15/11
Audit Gas Cylinder No.	CC152579	CC288256
Date of Audit Gas Cert.	1/26/11	1/25/11
Type of Certification	EPA Protocol 1	EPA Protocol 1
Certified Audit Value	74.5	164.9
CEM Response Value	70.6	147.3
Accuracy	5.2%	10.7%
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: SO₂____ NO_x____ TRS____ H₂S x CO____ Opacity____

Reporting period dates: From 1/01/11 to 3/31/11

Date submitted: 4/30/11

Company: Murphy Oil USA, Inc., Meraux Refinery

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

Monitor Manufacturer and Model No.: Ametek, #4661

Process Unit(s) Description: Area 4 Fuel Drum for Alky Reboiler (EPN 1-77, EQT 0078)

CEM Sampling Location: Area 4 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	2/16/11	2/16/11
Audit Gas Cylinder No.	CC152579	CC288256
Date of Audit Gas Cert.	1/26/11	1/25/11
Type of Certification	EPA Protocol 1	EPA Protocol 1
Certified Audit Value	74.5	164.9
CEM Response Value	73.3	163.7
Accuracy	1.6%	0.7%
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: SO₂____ NO_x____ TRS____ H₂S x CO____ Opacity ____

Reporting period dates: From 1/01/11 to 3/31/11

Date submitted: 4/30/11

Company: Murphy Oil USA, Inc., Meraux Refinery

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

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 Heaters Fuel Drum

CEM Span Value: Hydrogen Sulfide, 300 ppm

I. ACCURACY ASSESSMENT RESULTS (CGA):

	H ₂ S #1	H ₂ S #2
	(low scale)	(high scale)
Date of Audit	2/16/11	2/16/11
Audit Gas Cylinder No.	CC152579	CC288256
Date of Audit Gas Cert.	1/26/11	1/25/11
Type of Certification	EPA Protocol 1	EPA Protocol 1
Certified Audit Value	74.5	164.9
CEM Response Value	78.2	173.0
Accuracy	5.0%	4.9%
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: SO₂ ___ NO_x ___ TRS ___ H₂S x CO ___ Opacity ___

Reporting period dates: From 1/01/11 to 3/31/11

Date submitted: 4/30/11

Company: Murphy Oil USA, Inc., Meraux Refinery

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

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 Boilers 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	2/16/11	2/16/11
Audit Gas Cylinder No.	CC152579	CC288256
Date of Audit Gas Cert.	1/26/11	1/25/11
Type of Certification	EPA Protocol 1	EPA Protocol 1
Certified Audit Value	74.5	164.9
CEM Response Value	75.0	167.0
Accuracy	0.7%	1.3%
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: SO₂___ NO_x x TRS___ H₂S___ CO___ Opacity ___

Reporting period dates: From 1/01/11 to 3/31/11

Date submitted: 4/30/11

Company: Murphy Oil USA, Inc., Meraux Refinery

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 23042-5-8018413

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):

	NOx #1 (low scale)	NOx #2 (high scale)	O ₂ #1 (low scale)	O ₂ #2 (high scale)
Date of Audit	2/11/11	2/11/11	2/11/11	2/11/11
Audit Gas Cylinder No.	CC182945	SG9931306	XC019583B	SG9150283BAL
Date of Audit Gas Cert.	12/9/09	12/17/09	12/11/09	12/14/09
Type of Certification	EPA Protocol 1	EPA Protocol 1	EPA Protocol 1	EPA Protocol 1
Certified Audit Value	25.3	54.8	6.32	10.1
CEM Response Value	25.3	56.0	6.28	10.0
Accuracy	0.1%	2.2%	0.5%	0.5%
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: SO₂___ NO_x___x___ TRS___ H₂S___ CO___ Opacity ___

Reporting period dates: From 1/01/11 to 3/31/11

Date submitted: 4/30/11

Company: Murphy Oil USA, Inc., Meraux Refinery

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 23042-5-8018413

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):

	NO _x #1 (low scale)	NO _x #2 (high scale)	O ₂ #1 (low scale)	O ₂ #2 (high scale)
Date of Audit	2/11/11	2/11/11	2/11/11	2/11/11
Audit Gas Cylinder No.	CC182945	SG9931306	XC019583B	SG9150283BAL
Date of Audit Gas Cert.	12/9/09	12/17/09	12/11/09	12/14/09
Type of Certification	EPA Protocol 1	EPA Protocol 1	EPA Protocol 1	EPA Protocol 1
Certified Audit Value	25.3	54.8	6.32	10.1
CEM Response Value	27.1	56.2	6.25	10.0
Accuracy	7.2%	2.5%	1.0%	0.7%
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: SO₂___ NO_x x___ TRS___ H₂S___ CO___ Opacity ___

Reporting period dates: From 1/01/11 to 3/31/11

Date submitted: 4/30/11

Company: Murphy Oil USA, Inc., Meraux Refinery

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 (NOx). 43i (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):

	NOx #1 (low scale)	NOx #2 (high scale)	O ₂ #1 (low scale)	O ₂ #2 (high scale)
Date of Audit	2/17/11	2/17/11	2/16/11	2/16/11
Audit Gas Cylinder No.	CC287345	SG9163479	XC019583B	SG9150283BAL
Date of Audit Gas Cert.	1/5/10	12/29/09	12/11/09	12/14/09
Type of Certification	EPA Protocol 1	EPA Protocol 1	EPA Protocol 1	EPA Protocol 1
Certified Audit Value	119.2	286.2	6.32	10.1
CEM Response Value	127.3	285.7	6.30	10.0
Accuracy	6.8%	0.2%	0.2%	0.7%
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
