bp

BP America Production Company
Wamsutter Operations Center
P.O. Box 157
Wamsutter, WY 82336

July 31, 2015

NSR Program Manager
Attn: Cole Anderson
Attn: O&G Production Facilities
Wyoming Department of Environmental Quality
Air Quality Division
122 West 25th Street, Herschler Building 2-E
Cheyenne, WY 82002

IMPACT Submittal

RE: BP America Production Company
Strategic Pad Compression Fleet 2
Compressor(s) Application

Dear Mr. Anderson:

BP America Production Company (BP) hereby submits an air permit application for installation of fleet of ten (10) compressors. BP would like to permit a fleet of compressors that would have the flexibility to move throughout the Wamsutter field, Sweetwater and Carbon Counties. The compressor(s) vary in size and engineering design. Being able to re-locate the compressors is important in maximizing production and costs associated with a compression project. Please contact me at (307)-328-3779 or Shanda.caldwell@bp.com if you have any questions concerning this application.

Sincerely,

Shanda Caldwell
Field Environmental Coordinator
Electronic Signature
BP America Production Company

BP America Production Company
Wamsutter Operations Center
Engine 1
Oil & Gas Production Facility
Chapter 6, Section 2 Air Permit Application
July 2015

Description: **400 HP Caterpillar G3408TA**

Source Information:

Site Rating[1] =	381	hp
Hours of Operation =	8760	hr/yr
Fuel Consumption =	7,877	Btu/hp-hr

Criteria Pollutant Emissions Calculations:

Pollutant	Emission Factor		Emissions (lb/hr)	Emissions (TPY)
NO_X [2]	0.7	g/hp-hr	0.5875	2.5734
CO [2]	2.0	g/hp-hr	1.6787	7.3525
VOC [2]	0.7	g/hp-hr	0.5875	2.5734
SO_2 [3]	5.88E-04	lb/MMBtu	0.0018	0.0077
PM [3]	9.91E-03	lb/MMBtu	0.0297	0.1302
Formaldehyde	0.05	g/hp-hr	0.0420	0.1838

Example Calculations:

NO_X Emissions (lb/hr) = 381 hp * 0.70 g/hp-hr * lb/453.6 g = 0.59 lb/hr

NO_X Emissions (TPY) = 0.59 lb/hr * 8760 hr/yr * 1 Ton/2000 lb = 2.57 tpy

1 De-rated for an elevation of 6820 ft above MSL.

[2] DCL America Emissions Statement

[3] Based on AP-42, Fifth Edition, Volume 1, Chapter 3, Section 3.2, Table 3.2-3 Uncontrolled Emission Factors For 4-Stroke Rich-Burn Engines, 7/00.

BP America Production Company
Wamsutter Operations Center
Engine 2
Oil & Gas Production Facility
Chapter 6, Section 2 Air Permit Application
July 2015

Description: **325 HP Caterpillar G3406TA**

Source Information:

Site Rating[1] =	309	hp
Hours of Operation =	8760	hr/yr
Fuel Consumption =	7,877	Btu/hp-hr

Criteria Pollutant Emissions Calculations:

Pollutant	Emission Factor		Emissions (lb/hr)	Emissions (TPY)
NO_X [2]	0.7	g/hp-hr	0.4774	2.0909
CO [2]	2.0	g/hp-hr	1.3639	5.9739
VOC [2]	0.7	g/hp-hr	0.4774	2.0909
SO_2 [3]	5.88E-04	lb/MMBtu	0.0014	0.0063
PM [3]	9.91E-03	lb/MMBtu	0.0241	0.1058

Example Calculations:

NO_X Emissions (lb/hr) = 309 hp * 0.70 g/hp-hr * lb/453.6 g = 0.48 lb/hr

NO_X Emissions (TPY) = 0.48 lb/hr * 8760 hr/yr * 1 Ton/2000 lb = 2.09 tpy

1 De-rated for an elevation of 6820 ft above MSL.

[2] EMIT Technologies Emissions Statement

[3] Based on AP-42, Fifth Edition, Volume 1, Chapter 3, Section 3.2, Table 3.2-3 Uncontrolled Emission Factors For 4-Stroke Rich-Burn Engines, 7/00.

BP America Production Company
Wamsutter Operations Center
Engine 3
Oil & Gas Production Facility
Chapter 6, Section 2 Air Permit Application
July 2015

Description: **325 HP Caterpillar G3406TA**

Source Information:

Site Rating[1] =	309	hp
Hours of Operation =	8760	hr/yr
Fuel Consumption =	7,877	Btu/hp-hr

Criteria Pollutant Emissions Calculations:

Pollutant	Emission Factor		Emissions (lb/hr)	Emissions (TPY)
NO_X [2]	0.7	g/hp-hr	0.4774	2.0909
CO [2]	2.0	g/hp-hr	1.3639	5.9739
VOC [2]	0.7	g/hp-hr	0.4774	2.0909
SO_2 [3]	5.88E-04	lb/MMBtu	0.0014	0.0063
PM [3]	9.91E-03	lb/MMBtu	0.0241	0.1058
Formaldehyde	0.05	g/hp-hr	0.0341	0.1493

Example Calculations:

NO_X Emissions (lb/hr) = 309 hp * 0.70 g/hp-hr * lb/453.6 g = 0.48 lb/hr

NO_X Emissions (TPY) = 0.48 lb/hr * 8760 hr/yr * 1 Ton/2000 lb = 2.09 tpy

1 De-rated for an elevation of 6820 ft above MSL.

[2] EMIT Technologies Emissions Statement

[3] Based on AP-42, Fifth Edition, Volume 1, Chapter 3, Section 3.2, Table 3.2-3 Uncontrolled Emission Factors For 4-Stroke Rich-Burn Engines, 7/00.

BP America Production Company
Wamsutter Operations Center
Engine 4
Oil & Gas Production Facility
Chapter 6, Section 2 Air Permit Application
July 2015

Description: **325 HP Caterpillar G3406TA**

Source Information:

Site Rating[1] =	309	hp
Hours of Operation =	8760	hr/yr
Fuel Consumption =	7,877	Btu/hp-hr

Criteria Pollutant Emissions Calculations:

Pollutant	Emission Factor		Emissions (lb/hr)	Emissions (TPY)
NO_X [2]	0.7	g/hp-hr	0.4774	2.0909
CO [2]	2.0	g/hp-hr	1.3639	5.9739
VOC [2]	0.7	g/hp-hr	0.4774	2.0909
SO_2 [3]	5.88E-04	lb/MMBtu	0.0014	0.0063
PM [3]	9.91E-03	lb/MMBtu	0.0241	0.1058
Formaldehyde	0.05	g/hp-hr	0.0341	0.1493

Example Calculations:

NO_X Emissions (lb/hr) = 309 hp * 0.70 g/hp-hr * lb/453.6 g = 0.48 lb/hr

NO_X Emissions (TPY) = 0.48 lb/hr * 8760 hr/yr * 1 Ton/2000 lb = 2.09 tpy

1 De-rated for an elevation of 6820 ft above MSL.

[2] EMIT Technologies Emissions Statement

[3] Based on AP-42, Fifth Edition, Volume 1, Chapter 3, Section 3.2, Table 3.2-3 Uncontrolled Emission Factors For 4-Stroke Rich-Burn Engines, 7/00.

BP America Production Company
Wamsutter Operations Center
Engine 5
Oil & Gas Production Facility
Chapter 6, Section 2 Air Permit Application
July 2015

Description: **380 HP Cummins KTA19GC380**

Source Information:

Site Rating[1] =	362	hp
Hours of Operation =	8760	hr/yr
Fuel Consumption =	7,877	Btu/hp-hr

Criteria Pollutant Emissions Calculations:

Pollutant	Emission Factor		Emissions (lb/hr)	Emissions (TPY)
NO_X [2]	0.7	g/hp-hr	0.5582	2.4447
CO [2]	2.0	g/hp-hr	1.5947	6.9849
VOC [2]	0.7	g/hp-hr	0.5582	2.4447
SO_2 [3]	5.88E-04	lb/MMBtu	0.0017	0.0073
PM [3]	9.91E-03	lb/MMBtu	0.0282	0.1237

Example Calculations:

NO_X Emissions (lb/hr) = 362 hp * 0.70 g/hp-hr * lb/453.6 g = 0.56 lb/hr

NO_X Emissions (TPY) = 0.56 lb/hr * 8760 hr/yr * 1 Ton/2000 lb = 2.44 tpy

1 De-rated for an elevation of 6820 ft above MSL.

[2] EICS Emissions Performance Specification Summary

[3] Based on AP-42, Fifth Edition, Volume 1, Chapter 3, Section 3.2, Table 3.2-3 Uncontrolled Emission Factors For 4-Stroke Rich-Burn Engines, 7/00.

BP America Production Company
Wamsutter Operations Center
Engine 6
Oil & Gas Production Facility
Chapter 6, Section 2 Air Permit Application
July 2015

Description: **380 HP Cummins KTA19GC380**

Source Information:

Site Rating[1] =	362	hp
Hours of Operation =	8760	hr/yr
Fuel Consumption =	7,877	Btu/hp-hr

Criteria Pollutant Emissions Calculations:

Pollutant	Emission Factor		Emissions (lb/hr)	Emissions (TPY)
NO_X [2]	0.7	g/hp-hr	0.5582	2.4447
CO [2]	2.0	g/hp-hr	1.5947	6.9849
VOC [2]	0.7	g/hp-hr	0.5582	2.4447
SO_2 [3]	5.88E-04	lb/MMBtu	0.0017	0.0073
PM [3]	9.91E-03	lb/MMBtu	0.0282	0.1237

Example Calculations:

NO_X Emissions (lb/hr) = 362 hp * 0.70 g/hp-hr * lb/453.6 g = 0.56 lb/hr

NO_X Emissions (TPY) = 0.56 lb/hr * 8760 hr/yr * 1 Ton/2000 lb = 2.44 tpy

1 De-rated for an elevation of 6820 ft above MSL.

[2] EICS Emissions Performance Specification Summary

[3] Based on AP-42, Fifth Edition, Volume 1, Chapter 3, Section 3.2, Table 3.2-3 Uncontrolled Emission Factors For 4-Stroke Rich-Burn Engines, 7/00.

BP America Production Company
Wamsutter Operations Center
Engine 7
Oil & Gas Production Facility
Chapter 6, Section 2 Air Permit Application
July 2015

Description: **380 HP Cummins KTA19GC380**

Source Information:

Site Rating[1] =	362	hp
Hours of Operation =	8760	hr/yr
Fuel Consumption =	7,877	Btu/hp-hr

Criteria Pollutant Emissions Calculations:

Pollutant	Emission Factor		Emissions (lb/hr)	Emissions (TPY)
NO_X [2]	0.7	g/hp-hr	0.5582	2.4447
CO [2]	2.0	g/hp-hr	1.5947	6.9849
VOC [2]	0.7	g/hp-hr	0.5582	2.4447
SO_2 [3]	5.88E-04	lb/MMBtu	0.0017	0.0073
PM [3]	9.91E-03	lb/MMBtu	0.0282	0.1237

Example Calculations:

NO_X Emissions (lb/hr) = 362 hp * 0.70 g/hp-hr * lb/453.6 g = 0.56 lb/hr

NO_X Emissions (TPY) = 0.56 lb/hr * 8760 hr/yr * 1 Ton/2000 lb = 2.44 tpy

1 De-rated for an elevation of 6820 ft above MSL.

[2] EICS Emissions Performance Specification Summary

[3] Based on AP-42, Fifth Edition, Volume 1, Chapter 3, Section 3.2, Table 3.2-3 Uncontrolled Emission Factors For 4-Stroke Rich-Burn Engines, 7/00.

BP America Production Company
Wamsutter Operations Center
Engine 8
Oil & Gas Production Facility
Chapter 6, Section 2 Air Permit Application
July 2015

Description: **380 HP Cummins KTA19GC380**

Source Information:

Site Rating[1] =	362	hp
Hours of Operation =	8760	hr/yr
Fuel Consumption =	7,877	Btu/hp-hr

Criteria Pollutant Emissions Calculations:

Pollutant	Emission Factor		Emissions (lb/hr)	Emissions (TPY)
NO_X [2]	0.7	g/hp-hr	0.5582	2.4447
CO [2]	2.0	g/hp-hr	1.5947	6.9849
VOC [2]	0.7	g/hp-hr	0.5582	2.4447
SO_2 [3]	5.88E-04	lb/MMBtu	0.0017	0.0073
PM [3]	9.91E-03	lb/MMBtu	0.0282	0.1237

Example Calculations:

NO_X Emissions (lb/hr) = 362 hp * 0.70 g/hp-hr * lb/453.6 g = 0.56 lb/hr

NO_X Emissions (TPY) = 0.56 lb/hr * 8760 hr/yr * 1 Ton/2000 lb = 2.44 tpy

1 De-rated for an elevation of 6820 ft above MSL.

[2] EICS Emissions Performance Specification Summary

[3] Based on AP-42, Fifth Edition, Volume 1, Chapter 3, Section 3.2, Table 3.2-3 Uncontrolled Emission Factors For 4-Stroke Rich-Burn Engines, 7/00.

BP America Production Company
Wamsutter Operations Center
Engine 9
Oil & Gas Production Facility
Chapter 6, Section 2 Air Permit Application
July 2015

Description: **145 HP G3306NA**

Source Information:

Site Rating[1] =	138	hp
Hours of Operation =	8760	hr/yr
Fuel Consumption =	7,877	Btu/hp-hr

Criteria Pollutant Emissions Calculations:

Pollutant	Emission Factor	Emissions (lb/hr)	Emissions (TPY)
NO_X [2]	0.7 g/hp-hr	0.2130	0.9329
CO [2]	2.0 g/hp-hr	0.6085	2.6653
VOC [2]	0.7 g/hp-hr	0.2130	0.9329
SO_2 [3]	5.88E-04 lb/MMBtu	0.0006	0.0028
PM [3]	9.91E-03 lb/MMBtu	0.0108	0.0472

Example Calculations:

NO_X Emissions (lb/hr) = 138 hp * 0.70 g/hp-hr * lb/453.6 g = 0.21 lb/hr

NO_X Emissions (TPY) = 0.21 lb/hr * 8760 hr/yr * 1 Ton/2000 lb = 0.93 tpy

1 De-rated for an elevation of 6820 ft above MSL.

[2] EICS Emissions Performance Specification Summary

[3] Based on AP-42, Fifth Edition, Volume 1, Chapter 3, Section 3.2, Table 3.2-3 Uncontrolled Emission Factors For 4-Stroke Rich-Burn Engines, 7/00.

BP America Production Company
Wamsutter Operations Center
Engine 10
Oil & Gas Production Facility
Chapter 6, Section 2 Air Permit Application
July 2015

Description: **203 HP G3306TA**

Source Information:

Site Rating[1] =	193	hp
Hours of Operation =	8760	hr/yr
Fuel Consumption =	7,877	Btu/hp-hr

Criteria Pollutant Emissions Calculations:

Pollutant	Emission Factor		Emissions (lb/hr)	Emissions (TPY)
NO_X [2]	0.7	g/hp-hr	0.2982	1.3060
CO [2]	2.0	g/hp-hr	0.8519	3.7314
VOC [2]	0.7	g/hp-hr	0.2982	1.3060
SO_2 [3]	5.88E-04	lb/MMBtu	0.0009	0.0039
PM [3]	9.91E-03	lb/MMBtu	0.0151	0.0661

Example Calculations:

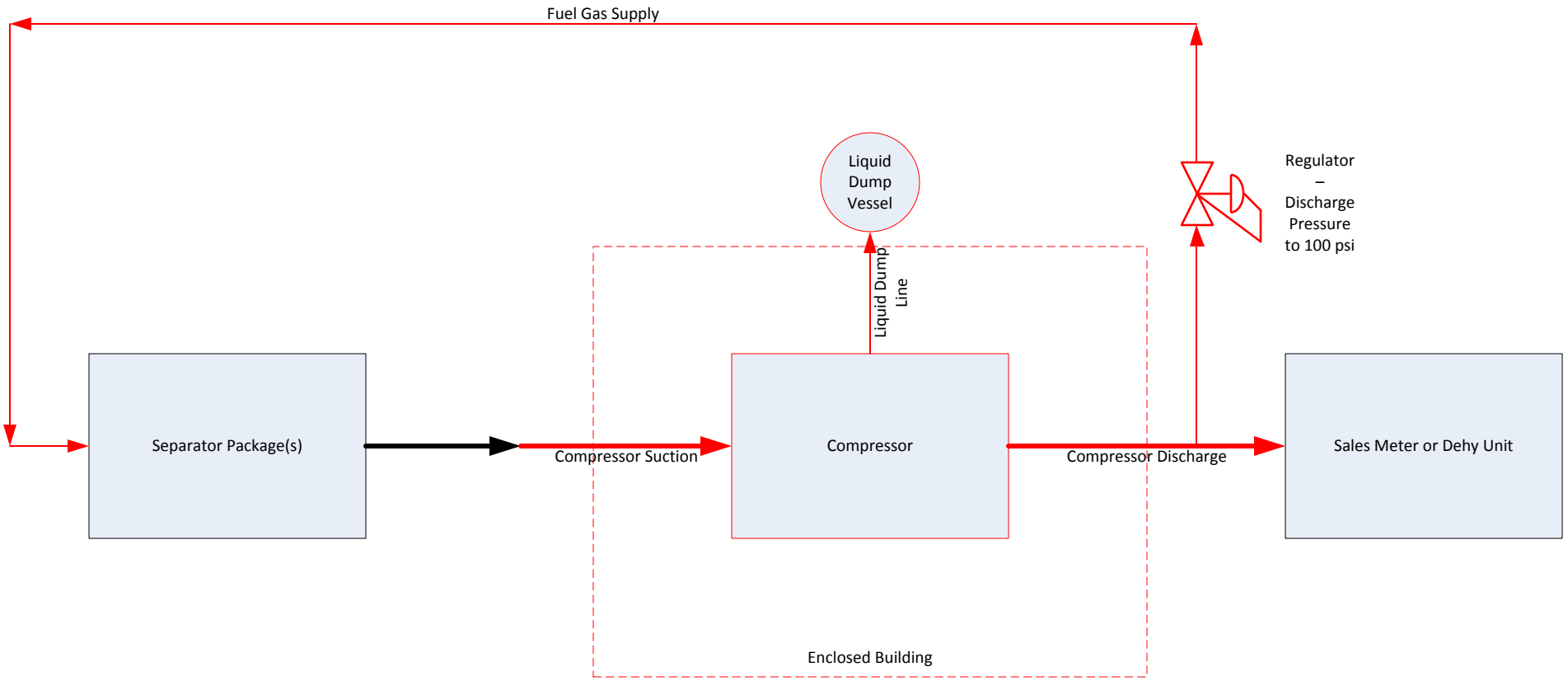
NO_X Emissions (lb/hr) = 193 hp * 0.70 g/hp-hr * lb/453.6 g = 0.30 lb/hr

NO_X Emissions (TPY) = 0.30 lb/hr * 8760 hr/yr * 1 Ton/2000 lb = 1.31 tpy

1 De-rated for an elevation of 6820 ft above MSL.

[2] EICS Emissions Performance Specification Summary

[3] Based on AP-42, Fifth Edition, Volume 1, Chapter 3, Section 3.2, Table 3.2-3 Uncontrolled Emission Factors For 4-Stroke Rich-Burn Engines, 7/00.



Sketch PFD – Wamsutter 2015 Compressor Installs

NSR Application A0001345
Strategic Pad Compression Fleet
F026827
July 31, 2015

Reviewer RJJ

cc:

Modeler

D.E.

File

IMP FID

Air Quality Division

Jul 31 2015, 16:02:02

Application for NSR Permit

- **NSR Application**

Date application received : 07/31/2015

Is this a legacy NSR Application? No

This information should be filled out for each New Source Review (NSR) application. An NSR permit is required for all air contaminant sources (emissions units) installed or modified after January 1, 1974. See the application instructions for additional information.

Emission Unit application reason summary :	[x] Construction	[ ] Synthetic Minor
	[ ] Modification	[ ] Temporary Permit
	[ ] Reconstruction	[ ] Other

Facility Type :

Sage Grouse :

- **Purpose of Application**

Please summarize the reason this permit is being applied for.

BP America Production Company (BP) hereby submits an air permit application for installation of fleet of ten (10) compressors. BP would like to permit a fleet of compressors that would have the flexibility to move throughout the Wamsutter field, Sweetwater and Carbon Counties. The compressor(s) vary in size and engineering design. Being able to re-locate the compressors is important in maximizing production and costs associated with a compression project.

Has the facility changed location or is it a new/greenfield facility? No

Does production at this facility contain H2S? No

- **Federal Rules Applicability - Facility Level**

Prevention of Significant Deterioration (PSD) *These rules are found under WAQSR Chapter 6, Section 4.*	Not affected
Non-Attainment New Source Review *These rules are found under WAQSR Chapter 6, Section 13.*	Not affected

- **Trade Secret Information** - One or more Emissions Units in this application contains trade secret information.

No

- **Permit Application Contact** - Newly created contacts and application contact changes will be saved when the application is saved.

Shanda Caldwell	Area Environmental Advisor	BP America Production Company
Name	Title	Company
P.O. Box 157	Wamsutter, WY	82336
Street Address	City/Township, State	Zip Code
(307)328-3779		shanda.caldwell@bp.com
Phone	Fax	E-mail

- **Modeling Section**

Ambient Air Quality Impact Analysis: WAQSR Chapter 6, Section 2(c)(ii) requires that permit applicants demonstrate that a proposed facility will not prevent the attainment or maintenance of any ambient air quality standard.

Has the applicant contacted AQD to determine if modeling is required? No

Is a modeling analysis part of this application? No

Is the proposed project subject to Prevention of Significant Deterioration (PSD) requirements? No

- **Application Attachments**

Required Attachment	Public Document Id	Attachment Type	Description
X	6958	Emissions Calculations	emission calcs
X	6959	Cover Letter/Project Description	cover letter
	7008	Process Flow Diagram	flow diagram

- **Notes**

User Name	Date	Note

Section II - Specific Air Contaminant Source Information

AQD EU ID: ENG012
AQD EU description:
Company EU ID: ENG012
Company EU Description: Strategic Compression Fleet 2 Engine 1

- **Source Installation or Modification Schedule** – Select reason(s) for this emissions unit being included in this application (must be completed regardless of date of installation or modification):

  Construction(greenfield/new facility)

- **Emission Unit Type Specific Information**

  Emission Unit Type : Engine
  Btu Content : 1,143.00 Units : Btu/scf
  Fuel Sulfur Content : 0.00 Units : ppm
  Type of Service : Compression

- **Potential Operating Schedule** – Provide the operating schedule for this emissions unit

  Hours/day : 24
  Hours/year : 8760

- **Emissions Information** "Potential to emit" means the maximum capacity of a source to emit any air pollutant under its physical and operational design. Any physical or operational limitation on the capacity of a source to emit an air pollutant, including air pollution control equipment and restrictions on hours of operation or on the type or amount of material combusted, stored or processed, shall be treated as part of its design if the limitation is enforceable by the EPA and the Division. This term does not alter or affect the use of this term for any other purposes under the Act, or the term "capacity factor" as used in Title IV of the Act or the regulations promulgated thereunder.

  Basis for Determination Options:
  - *Manufacturer Data*
  - *Test results for this source*
  - *Similar source test results*
  - *GRICalc*
  - *Tanks Program*
  - *AP-42*
  - *Other. If this is selected, attach a document with a description of the method used.*

  Criteria Pollutants :

Pollutant	Pre-Controlled Potential Emissions (tons/yr)	Efficiency Standards		Potential to Emit (PTE) (lbs/hr)*	Potential to Emit (PTE) (tons/yr)*	Basis for Determination*
		Potential to Emit (PTE)*	Units*			
Particulate emissions (PE/PM) (formerly particulate matter, PM)	0	0		0.03	0.18	AP-42
PM # 10 microns in diameter (PE/PM10)	0	0		0	0	
PM # 2.5 microns in diameter (PE/PM2.5)	0	0		0	0	
Sulfur dioxide (SO2)	0	0		0.0018	0.0077	AP-42

Nitrogen oxides (NOx)	0	0		0.58	2.57	Manufacturer Data
Carbon monoxide (CO)	0	0		1.68	7.35	Manufacturer Data
Volatile organic compounds (VOC)	0	0		0.58	2.57	Manufacturer Data
Lead (Pb)	0	0		0	0	
Total Hazardous Air Pollutants (HAPs)	0	0		0	0	
Fluoride (F)	0	0		0	0	
Hydrogen Sulfide (H2S)	0	0		0	0	
Mercury (Hg)	0	0		0	0	
Total Reduced Sulfur (TRS)	0	0		0	0	
Sulfuric Acid Mist (SAM)	0	0		0	0	

Hazardous Air Pollutants (HAPs) and Toxic Air Contaminants:

Pollutant	Pollutant Category	Pre-Controlled Potential Emissions (tons/yr)	Efficiency Standards		Potential to Emit (PTE) (lbs/hr)*	Potential to Emit (PTE) (tons/yr)*	Basis for Determination*
			Potential to Emit (PTE)*	Units*			

Greenhouse Gases (GHGs):

Pollutant	Pollutant Category	Pre-Controlled Potential Emissions (tons/yr)	Efficiency Standards		Potential to Emit (PTE) (lbs/hr)*	Potential to Emit (PTE) (tons/yr)*	Basis for Determination*
			Potential to Emit (PTE)*	Units*			

** Provide your calculations as an attachment and explain how all process variables and emissions factors were selected. Note the emission factor(s) employed and document origin. Example: AP-42, Table 4.4-3 (8/97); stack test, Method 5, 4/96; mass balance based on MSDS; etc.*

*** AQD Calculated - See 'Help' for more information.*

- **Best Available Control Technology (BACT)**

  Was a BACT Analysis completed for this unit? No

- **Lowest Achievable Emission Rate (LAER)**

  Was a LAER Analysis completed for this unit? No

- **Federal and State Rule Applicability**

New Source Performance Standards (NSPS) — Not affected
New Source Performance Standards are listed under 40 CFR 60 - Standards of Performance for New Stationary Sources.

National Emission Standards for Hazardous Air Pollutants (NESHAP Part 61) — Not affected
National Emissions Standards for Hazardous Air Pollutants (NESHAP Part 61) are listed under 40 CFR 61. (These include asbestos, benzene, beryllium, mercury, and vinyl chloride).

National Emission Standards for Hazardous Air — Subject to subpart

Pollutants (NESHAP Part 63)
National Emission Standards for Hazardous Air Pollutants (NESHAP Part 63) standards are listed under 40 CFR 63.

Part 63 NESHAP Subpart
ZZZZ - Reciprocating Internal Combustion Engines

Prevention of Significant Deterioration (PSD) Not Affected
These rules are found under WAQSR Chapter 6, Section 4.

Non-Attainment New Source Review Not Affected
These rules are found under WAQSR Chapter 6, Section 13.

- **Emission Unit Attachments**

Required Attachment	Public Document Id	Attachment Type	Description

Section II - Specific Air Contaminant Source Information

AQD EU ID: ENG013
AQD EU description:
Company EU ID: ENG013
Company EU Description: Strategic Compression Fleet 2 Engine2

- **Source Installation or Modification Schedule** – Select reason(s) for this emissions unit being included in this application (must be completed regardless of date of installation or modification):

  Construction(greenfield/new facility)

- **Emission Unit Type Specific Information**

  Emission Unit Type : Engine
  Btu Content : 1,143.00 Units : Btu/scf
  Fuel Sulfur Content : 0.00 Units : ppm
  Type of Service : Compression

- **Potential Operating Schedule** – Provide the operating schedule for this emissions unit

  Hours/day : 24
  Hours/year : 8760

- **Emissions Information** "Potential to emit" means the maximum capacity of a source to emit any air pollutant under its physical and operational design. Any physical or operational limitation on the capacity of a source to emit an air pollutant, including air pollution control equipment and restrictions on hours of operation or on the type or amount of material combusted, stored or processed, shall be treated as part of its design if the limitation is enforceable by the EPA and the Division. This term does not alter or affect the use of this term for any other purposes under the Act, or the term "capacity factor" as used in Title IV of the Act or the regulations promulgated thereunder.

  Basis for Determination Options:
  - *Manufacturer Data*
  - *Test results for this source*
  - *Similar source test results*
  - *GRICalc*
  - *Tanks Program*
  - *AP-42*
  - *Other. If this is selected, attach a document with a description of the method used.*

  Criteria Pollutants :

Pollutant	Pre-Controlled Potential Emissions (tons/yr)	Efficiency Standards		Potential to Emit (PTE) (lbs/hr)*	Potential to Emit (PTE) (tons/yr)*	Basis for Determination*
		Potential to Emit (PTE)*	Units*			
Particulate emissions (PE/PM) (formerly particulate matter, PM)	0	0		0.024	0.11	AP-42
PM # 10 microns in diameter (PE/PM10)	0	0		0	0	
PM # 2.5 microns in diameter (PE/PM2.5)	0	0		0	0	
Sulfur dioxide (SO2)	0	0		0.0014	0.0063	AP-42

Nitrogen oxides (NOx)	0	0		0.47	2.1	Manufacturer Data
Carbon monoxide (CO)	0	0		1.36	5.97	Manufacturer Data
Volatile organic compounds (VOC)	0	0		0.47	2.1	Manufacturer Data
Lead (Pb)	0	0		0	0	
Total Hazardous Air Pollutants (HAPs)	0	0		0	0	
Fluoride (F)	0	0		0	0	
Hydrogen Sulfide (H2S)	0	0		0	0	
Mercury (Hg)	0	0		0	0	
Total Reduced Sulfur (TRS)	0	0		0	0	
Sulfuric Acid Mist (SAM)	0	0		0	0	

Hazardous Air Pollutants (HAPs) and Toxic Air Contaminants:

Pollutant	Pollutant Category	Pre-Controlled Potential Emissions (tons/yr)	Efficiency Standards		Potential to Emit (PTE) (lbs/hr)*	Potential to Emit (PTE) (tons/yr)*	Basis for Determination*
			Potential to Emit (PTE)*	Units*			

Greenhouse Gases (GHGs):

Pollutant	Pollutant Category	Pre-Controlled Potential Emissions (tons/yr)	Efficiency Standards		Potential to Emit (PTE) (lbs/hr)*	Potential to Emit (PTE) (tons/yr)*	Basis for Determination*
			Potential to Emit (PTE)*	Units*			

** Provide your calculations as an attachment and explain how all process variables and emissions factors were selected. Note the emission factor(s) employed and document origin. Example: AP-42, Table 4.4-3 (8/97); stack test, Method 5, 4/96; mass balance based on MSDS; etc.*

*** AQD Calculated - See 'Help' for more information.*

- **Best Available Control Technology (BACT)**

  Was a BACT Analysis completed for this unit? No

- **Lowest Achievable Emission Rate (LAER)**

  Was a LAER Analysis completed for this unit? No

- **Federal and State Rule Applicability**

New Source Performance Standards (NSPS) — Not affected
New Source Performance Standards are listed under 40 CFR 60 - Standards of Performance for New Stationary Sources.

National Emission Standards for Hazardous Air Pollutants (NESHAP Part 61) — Not affected
National Emissions Standards for Hazardous Air Pollutants (NESHAP Part 61) are listed under 40 CFR 61. (These include asbestos, benzene, beryllium, mercury, and vinyl chloride).

National Emission Standards for Hazardous Air — Subject to subpart

Pollutants (NESHAP Part 63)
National Emission Standards for Hazardous Air Pollutants (NESHAP Part 63) standards are listed under 40 CFR 63.

Part 63 NESHAP Subpart
ZZZZ - Reciprocating Internal Combustion Engines

Prevention of Significant Deterioration (PSD) Not Affected
These rules are found under WAQSR Chapter 6, Section 4.

Non-Attainment New Source Review Not Affected
These rules are found under WAQSR Chapter 6, Section 13.

- **Emission Unit Attachments**

Required Attachment	Public Document Id	Attachment Type	Description

Section II - Specific Air Contaminant Source Information

AQD EU ID: ENG014
AQD EU description:
Company EU ID: ENG014
Company EU Description: Strategic Compression Fleet 2 Engine3

- **Source Installation or Modification Schedule** – Select reason(s) for this emissions unit being included in this application (must be completed regardless of date of installation or modification):

  Construction(greenfield/new facility)

- **Emission Unit Type Specific Information**

  Emission Unit Type : Engine
  Btu Content : 1,143.00 Units : Btu/scf
  Fuel Sulfur Content : 0.00 Units : ppm
  Type of Service : Compression

- **Potential Operating Schedule** – Provide the operating schedule for this emissions unit

  Hours/day : 24
  Hours/year : 8760

- **Emissions Information** "Potential to emit" means the maximum capacity of a source to emit any air pollutant under its physical and operational design. Any physical or operational limitation on the capacity of a source to emit an air pollutant, including air pollution control equipment and restrictions on hours of operation or on the type or amount of material combusted, stored or processed, shall be treated as part of its design if the limitation is enforceable by the EPA and the Division. This term does not alter or affect the use of this term for any other purposes under the Act, or the term "capacity factor" as used in Title IV of the Act or the regulations promulgated thereunder.

  Basis for Determination Options:
  - *Manufacturer Data*
  - *Test results for this source*
  - *Similar source test results*
  - *GRICalc*
  - *Tanks Program*
  - *AP-42*
  - *Other. If this is selected, attach a document with a description of the method used.*

  Criteria Pollutants :

Pollutant	Pre-Controlled Potential Emissions (tons/yr)	Efficiency Standards		Potential to Emit (PTE) (lbs/hr)*	Potential to Emit (PTE) (tons/yr)*	Basis for Determination*
		Potential to Emit (PTE)*	Units*			
Particulate emissions (PE/PM) (formerly particulate matter, PM)	0	0		0.024	0.11	AP-42
PM # 10 microns in diameter (PE/PM10)	0	0		0	0	
PM # 2.5 microns in diameter (PE/PM2.5)	0	0		0	0	
Sulfur dioxide (SO2)	0	0		0.0014	0.0063	AP-42

Nitrogen oxides (NOx)	0	0		0.47	2.1	Manufacturer Data
Carbon monoxide (CO)	0	0		1.36	5.97	Manufacturer Data
Volatile organic compounds (VOC)	0	0		0.47	2.1	Manufacturer Data
Lead (Pb)	0	0		0	0	
Total Hazardous Air Pollutants (HAPs)	0	0		0	0	
Fluoride (F)	0	0		0	0	
Hydrogen Sulfide (H2S)	0	0		0	0	
Mercury (Hg)	0	0		0	0	
Total Reduced Sulfur (TRS)	0	0		0	0	
Sulfuric Acid Mist (SAM)	0	0		0	0	

Hazardous Air Pollutants (HAPs) and Toxic Air Contaminants:

Pollutant	Pollutant Category	Pre-Controlled Potential Emissions (tons/yr)	Efficiency Standards		Potential to Emit (PTE) (lbs/hr)*	Potential to Emit (PTE) (tons/yr)*	Basis for Determination*
			Potential to Emit (PTE)*	Units*			

Greenhouse Gases (GHGs):

Pollutant	Pollutant Category	Pre-Controlled Potential Emissions (tons/yr)	Efficiency Standards		Potential to Emit (PTE) (lbs/hr)*	Potential to Emit (PTE) (tons/yr)*	Basis for Determination*
			Potential to Emit (PTE)*	Units*			

** Provide your calculations as an attachment and explain how all process variables and emissions factors were selected. Note the emission factor(s) employed and document origin. Example: AP-42, Table 4.4-3 (8/97); stack test, Method 5, 4/96; mass balance based on MSDS; etc.*

*** AQD Calculated - See 'Help' for more information.*

- **Best Available Control Technology (BACT)**

  Was a BACT Analysis completed for this unit? No

- **Lowest Achievable Emission Rate (LAER)**

  Was a LAER Analysis completed for this unit? No

- **Federal and State Rule Applicability**

New Source Performance Standards (NSPS) Not affected
New Source Performance Standards are listed under 40 CFR 60 - Standards of Performance for New Stationary Sources.

National Emission Standards for Hazardous Air Pollutants (NESHAP Part 61) Not affected
National Emissions Standards for Hazardous Air Pollutants (NESHAP Part 61) are listed under 40 CFR 61. (These include asbestos, benzene, beryllium, mercury, and vinyl chloride).

National Emission Standards for Hazardous Air Subject to subpart

Pollutants (NESHAP Part 63)
National Emission Standards for Hazardous Air Pollutants (NESHAP Part 63) standards are listed under 40 CFR 63.

Part 63 NESHAP Subpart
ZZZZ - Reciprocating Internal Combustion Engines

Prevention of Significant Deterioration (PSD) Not Affected
These rules are found under WAQSR Chapter 6, Section 4.

Non-Attainment New Source Review Not Affected
These rules are found under WAQSR Chapter 6, Section 13.

- **Emission Unit Attachments**

Required Attachment	Public Document Id	Attachment Type	Description

Section II - Specific Air Contaminant Source Information

AQD EU ID: ENG015
AQD EU description:
Company EU ID: ENG015
Company EU Description: Strategic Compression Fleet 2 Engine 4

- **Source Installation or Modification Schedule** – Select reason(s) for this emissions unit being included in this application (must be completed regardless of date of installation or modification):

  Construction(greenfield/new facility)

- **Emission Unit Type Specific Information**

  Emission Unit Type : Engine
  Btu Content : 1,143.00 Units : Btu/scf
  Fuel Sulfur Content : 0.00 Units : ppm
  Type of Service : Compression

- **Potential Operating Schedule** – Provide the operating schedule for this emissions unit

  Hours/day : 24
  Hours/year : 8760

- **Emissions Information** "Potential to emit" means the maximum capacity of a source to emit any air pollutant under its physical and operational design. Any physical or operational limitation on the capacity of a source to emit an air pollutant, including air pollution control equipment and restrictions on hours of operation or on the type or amount of material combusted, stored or processed, shall be treated as part of its design if the limitation is enforceable by the EPA and the Division. This term does not alter or affect the use of this term for any other purposes under the Act, or the term "capacity factor" as used in Title IV of the Act or the regulations promulgated thereunder.

  Basis for Determination Options:
  - *Manufacturer Data*
  - *Test results for this source*
  - *Similar source test results*
  - *GRICalc*
  - *Tanks Program*
  - *AP-42*
  - *Other. If this is selected, attach a document with a description of the method used.*

  Criteria Pollutants :

Pollutant	Pre-Controlled Potential Emissions (tons/yr)	Efficiency Standards		Potential to Emit (PTE) (lbs/hr)*	Potential to Emit (PTE) (tons/yr)*	Basis for Determination*
		Potential to Emit (PTE)*	Units*			
Particulate emissions (PE/PM) (formerly particulate matter, PM)	0	0		0.024	0.11	AP-42
PM # 10 microns in diameter (PE/PM10)	0	0		0	0	
PM # 2.5 microns in diameter (PE/PM2.5)	0	0		0	0	
Sulfur dioxide (SO2)	0	0		0.0014	0.0063	AP-42

Nitrogen oxides (NOx)	0	0		0.47	2.1	Manufacturer Data
Carbon monoxide (CO)	0	0		1.36	5.97	Manufacturer Data
Volatile organic compounds (VOC)	0	0		0.47	2.1	Manufacturer Data
Lead (Pb)	0	0		0	0	
Total Hazardous Air Pollutants (HAPs)	0	0		0	0	
Fluoride (F)	0	0		0	0	
Hydrogen Sulfide (H2S)	0	0		0	0	
Mercury (Hg)	0	0		0	0	
Total Reduced Sulfur (TRS)	0	0		0	0	
Sulfuric Acid Mist (SAM)	0	0		0	0	

Hazardous Air Pollutants (HAPs) and Toxic Air Contaminants:

Pollutant	Pollutant Category	Pre-Controlled Potential Emissions (tons/yr)	Efficiency Standards		Potential to Emit (PTE) (lbs/hr)*	Potential to Emit (PTE) (tons/yr)*	Basis for Determination*
			Potential to Emit (PTE)*	Units*			

Greenhouse Gases (GHGs):

Pollutant	Pollutant Category	Pre-Controlled Potential Emissions (tons/yr)	Efficiency Standards		Potential to Emit (PTE) (lbs/hr)*	Potential to Emit (PTE) (tons/yr)*	Basis for Determination*
			Potential to Emit (PTE)*	Units*			

** Provide your calculations as an attachment and explain how all process variables and emissions factors were selected. Note the emission factor(s) employed and document origin. Example: AP-42, Table 4.4-3 (8/97); stack test, Method 5, 4/96; mass balance based on MSDS; etc.*

*** AQD Calculated - See 'Help' for more information.*

- **Best Available Control Technology (BACT)**

  Was a BACT Analysis completed for this unit? No

- **Lowest Achievable Emission Rate (LAER)**

  Was a LAER Analysis completed for this unit? No

- **Federal and State Rule Applicability**

New Source Performance Standards (NSPS) Not affected
New Source Performance Standards are listed under 40 CFR 60 - Standards of Performance for New Stationary Sources.

National Emission Standards for Hazardous Air Pollutants (NESHAP Part 61) Not affected
National Emissions Standards for Hazardous Air Pollutants (NESHAP Part 61) are listed under 40 CFR 61. (These include asbestos, benzene, beryllium, mercury, and vinyl chloride).

National Emission Standards for Hazardous Air Subject to subpart

Pollutants (NESHAP Part 63)
National Emission Standards for Hazardous Air Pollutants (NESHAP Part 63) standards are listed under 40 CFR 63.

Part 63 NESHAP Subpart
ZZZZ - Reciprocating Internal Combustion Engines

Prevention of Significant Deterioration (PSD) Not Affected
These rules are found under WAQSR Chapter 6, Section 4.

Non-Attainment New Source Review Not Affected
These rules are found under WAQSR Chapter 6, Section 13.

- **Emission Unit Attachments**

Required Attachment	Public Document Id	Attachment Type	Description

Section II - Specific Air Contaminant Source Information

AQD EU ID: ENG016
AQD EU description:
Company EU ID: ENG016
Company EU Description: Fleet 2 Engine 5

- **Source Installation or Modification Schedule** – Select reason(s) for this emissions unit being included in this application (must be completed regardless of date of installation or modification):

  Construction(greenfield/new facility)

- **Emission Unit Type Specific Information**

  Emission Unit Type : Engine
  Btu Content : 1,143.00 Units : Btu/scf
  Fuel Sulfur Content : 0.00 Units : ppm
  Type of Service : Compression

- **Potential Operating Schedule** – Provide the operating schedule for this emissions unit

  Hours/day : 24
  Hours/year : 8760

- **Emissions Information** "Potential to emit" means the maximum capacity of a source to emit any air pollutant under its physical and operational design. Any physical or operational limitation on the capacity of a source to emit an air pollutant, including air pollution control equipment and restrictions on hours of operation or on the type or amount of material combusted, stored or processed, shall be treated as part of its design if the limitation is enforceable by the EPA and the Division. This term does not alter or affect the use of this term for any other purposes under the Act, or the term "capacity factor" as used in Title IV of the Act or the regulations promulgated thereunder.

  Basis for Determination Options:
  - *Manufacturer Data*
  - *Test results for this source*
  - *Similar source test results*
  - *GRICalc*
  - *Tanks Program*
  - *AP-42*
  - *Other. If this is selected, attach a document with a description of the method used.*

  Criteria Pollutants :

Pollutant	Pre-Controlled Potential Emissions (tons/yr)	Efficiency Standards		Potential to Emit (PTE) (lbs/hr)*	Potential to Emit (PTE) (tons/yr)*	Basis for Determination*
		Potential to Emit (PTE)*	Units*			
Particulate emissions (PE/PM) (formerly particulate matter, PM)	0	0		0.0282	0.12	AP-42
PM # 10 microns in diameter (PE/PM10)	0	0		0	0	
PM # 2.5 microns in diameter (PE/PM2.5)	0	0		0	0	
Sulfur dioxide (SO2)	0	0		0.0017	0.0073	AP-42
Nitrogen oxides (NOx)	0	0		0.56	2.44	Manufacturer Data

Carbon monoxide (CO)	0	0		1.59	6.98	Manufacturer Data
Volatile organic compounds (VOC)	0	0		0.56	2.44	Manufacturer Data
Lead (Pb)	0	0		0	0	
Total Hazardous Air Pollutants (HAPs)	0	0		0	0	
Fluoride (F)	0	0		0	0	
Hydrogen Sulfide (H2S)	0	0		0	0	
Mercury (Hg)	0	0		0	0	
Total Reduced Sulfur (TRS)	0	0		0	0	
Sulfuric Acid Mist (SAM)	0	0		0	0	

Hazardous Air Pollutants (HAPs) and Toxic Air Contaminants:

Pollutant	Pollutant Category	Pre-Controlled Potential Emissions (tons/yr)	Efficiency Standards		Potential to Emit (PTE) (lbs/hr)*	Potential to Emit (PTE) (tons/yr)*	Basis for Determination*
			Potential to Emit (PTE)*	Units*			

Greenhouse Gases (GHGs):

Pollutant	Pollutant Category	Pre-Controlled Potential Emissions (tons/yr)	Efficiency Standards		Potential to Emit (PTE) (lbs/hr)*	Potential to Emit (PTE) (tons/yr)*	Basis for Determination*
			Potential to Emit (PTE)*	Units*			

** Provide your calculations as an attachment and explain how all process variables and emissions factors were selected. Note the emission factor(s) employed and document origin. Example: AP-42, Table 4.4-3 (8/97); stack test, Method 5, 4/96; mass balance based on MSDS; etc.*

*** AQD Calculated - See 'Help' for more information.*

- **Best Available Control Technology (BACT)**

  Was a BACT Analysis completed for this unit? No

- **Lowest Achievable Emission Rate (LAER)**

  Was a LAER Analysis completed for this unit? No

- **Federal and State Rule Applicability**

New Source Performance Standards (NSPS) — Not affected
New Source Performance Standards are listed under 40 CFR 60 - Standards of Performance for New Stationary Sources.

National Emission Standards for Hazardous Air Pollutants (NESHAP Part 61) — Not affected
National Emissions Standards for Hazardous Air Pollutants (NESHAP Part 61) are listed under 40 CFR 61. (These include asbestos, benzene, beryllium, mercury, and vinyl chloride).

National Emission Standards for Hazardous Air Pollutants (NESHAP Part 63) — Subject to subpart
National Emission Standards for Hazardous Air Pollutants (NESHAP Part 63) standards are listed under 40 CFR 63.

Part 63 NESHAP Subpart
ZZZZ - Reciprocating Internal Combustion Engines

Prevention of Significant Deterioration (PSD) Not Affected
These rules are found under WAQSR Chapter 6, Section 4.

Non-Attainment New Source Review Not Affected
These rules are found under WAQSR Chapter 6, Section 13.

- **Emission Unit Attachments**

Required Attachment	Public Document Id	Attachment Type	Description

Section II - Specific Air Contaminant Source Information

AQD EU ID: ENG017
AQD EU description:
Company EU ID: ENG017
Company EU Description: Fleet 2 Engine6

- **Source Installation or Modification Schedule** – Select reason(s) for this emissions unit being included in this application (must be completed regardless of date of installation or modification):

  Construction(greenfield/new facility)

- **Emission Unit Type Specific Information**

  Emission Unit Type : Engine
  Btu Content : 1,143.00 Units : Btu/scf
  Fuel Sulfur Content : 0.00 Units : ppm
  Type of Service : Compression

- **Potential Operating Schedule** – Provide the operating schedule for this emissions unit

  Hours/day : 24
  Hours/year : 8760

- **Emissions Information** "Potential to emit" means the maximum capacity of a source to emit any air pollutant under its physical and operational design. Any physical or operational limitation on the capacity of a source to emit an air pollutant, including air pollution control equipment and restrictions on hours of operation or on the type or amount of material combusted, stored or processed, shall be treated as part of its design if the limitation is enforceable by the EPA and the Division. This term does not alter or affect the use of this term for any other purposes under the Act, or the term "capacity factor" as used in Title IV of the Act or the regulations promulgated thereunder.

  Basis for Determination Options:
  - *Manufacturer Data*
  - *Test results for this source*
  - *Similar source test results*
  - *GRICalc*
  - *Tanks Program*
  - *AP-42*
  - *Other. If this is selected, attach a document with a description of the method used.*

  Criteria Pollutants :

Pollutant	Pre-Controlled Potential Emissions (tons/yr)	Efficiency Standards		Potential to Emit (PTE) (lbs/hr)*	Potential to Emit (PTE) (tons/yr)*	Basis for Determination*
		Potential to Emit (PTE)*	Units*			
Particulate emissions (PE/PM) (formerly particulate matter, PM)	0	0		0.0282	0.12	AP-42
PM # 10 microns in diameter (PE/PM10)	0	0		0	0	
PM # 2.5 microns in diameter (PE/PM2.5)	0	0		0	0	
Sulfur dioxide (SO2)	0	0		0.0017	0.0073	AP-42
Nitrogen oxides (NOx)	0	0		0.56	2.44	Manufacturer Data

Carbon monoxide (CO)	0	0		1.59	6.98	Manufacturer Data
Volatile organic compounds (VOC)	0	0		0.56	2.44	Manufacturer Data
Lead (Pb)	0	0		0	0	
Total Hazardous Air Pollutants (HAPs)	0	0		0	0	
Fluoride (F)	0	0		0	0	
Hydrogen Sulfide (H2S)	0	0		0	0	
Mercury (Hg)	0	0		0	0	
Total Reduced Sulfur (TRS)	0	0		0	0	
Sulfuric Acid Mist (SAM)	0	0		0	0	

Hazardous Air Pollutants (HAPs) and Toxic Air Contaminants:

Pollutant	Pollutant Category	Pre-Controlled Potential Emissions (tons/yr)	Efficiency Standards		Potential to Emit (PTE) (lbs/hr)*	Potential to Emit (PTE) (tons/yr)*	Basis for Determination*
			Potential to Emit (PTE)*	Units*			

Greenhouse Gases (GHGs):

Pollutant	Pollutant Category	Pre-Controlled Potential Emissions (tons/yr)	Efficiency Standards		Potential to Emit (PTE) (lbs/hr)*	Potential to Emit (PTE) (tons/yr)*	Basis for Determination*
			Potential to Emit (PTE)*	Units*			

** Provide your calculations as an attachment and explain how all process variables and emissions factors were selected. Note the emission factor(s) employed and document origin. Example: AP-42, Table 4.4-3 (8/97); stack test, Method 5, 4/96; mass balance based on MSDS; etc.*

*** AQD Calculated - See 'Help' for more information.*

- **Best Available Control Technology (BACT)**

  Was a BACT Analysis completed for this unit? No

- **Lowest Achievable Emission Rate (LAER)**

  Was a LAER Analysis completed for this unit? No

- **Federal and State Rule Applicability**

New Source Performance Standards (NSPS) — Not affected
New Source Performance Standards are listed under 40 CFR 60 - Standards of Performance for New Stationary Sources.

National Emission Standards for Hazardous Air Pollutants (NESHAP Part 61) — Not affected
National Emissions Standards for Hazardous Air Pollutants (NESHAP Part 61) are listed under 40 CFR 61. (These include asbestos, benzene, beryllium, mercury, and vinyl chloride).

National Emission Standards for Hazardous Air Pollutants (NESHAP Part 63) — Subject to subpart
National Emission Standards for Hazardous Air Pollutants (NESHAP Part 63) standards are listed under 40 CFR 63.

Part 63 NESHAP Subpart
ZZZZ - Reciprocating Internal Combustion Engines

Prevention of Significant Deterioration (PSD) Not Affected
These rules are found under WAQSR Chapter 6, Section 4.

Non-Attainment New Source Review Not Affected
These rules are found under WAQSR Chapter 6, Section 13.

- **Emission Unit Attachments**

Required Attachment	Public Document Id	Attachment Type	Description

Section II - Specific Air Contaminant Source Information

AQD EU ID: ENG018
AQD EU description:
Company EU ID: ENG018
Company EU Description: Fleet 2 Engine7

- **Source Installation or Modification Schedule** – Select reason(s) for this emissions unit being included in this application (must be completed regardless of date of installation or modification):

  Construction(greenfield/new facility)

- **Emission Unit Type Specific Information**

  Emission Unit Type : Engine
  Btu Content : 1,143.00 Units : Btu/scf
  Fuel Sulfur Content : 0.00 Units : ppm
  Type of Service : Compression

- **Potential Operating Schedule** – Provide the operating schedule for this emissions unit

  Hours/day : 24
  Hours/year : 8760

- **Emissions Information** "Potential to emit" means the maximum capacity of a source to emit any air pollutant under its physical and operational design. Any physical or operational limitation on the capacity of a source to emit an air pollutant, including air pollution control equipment and restrictions on hours of operation or on the type or amount of material combusted, stored or processed, shall be treated as part of its design if the limitation is enforceable by the EPA and the Division. This term does not alter or affect the use of this term for any other purposes under the Act, or the term "capacity factor" as used in Title IV of the Act or the regulations promulgated thereunder.

  Basis for Determination Options:
  - *Manufacturer Data*
  - *Test results for this source*
  - *Similar source test results*
  - *GRICalc*
  - *Tanks Program*
  - *AP-42*
  - *Other. If this is selected, attach a document with a description of the method used.*

  Criteria Pollutants :

Pollutant	Pre-Controlled Potential Emissions (tons/yr)	Efficiency Standards		Potential to Emit (PTE) (lbs/hr)*	Potential to Emit (PTE) (tons/yr)*	Basis for Determination*
		Potential to Emit (PTE)*	Units*			
Particulate emissions (PE/PM) (formerly particulate matter, PM)	0	0		0.0282	0.12	AP-42
PM # 10 microns in diameter (PE/PM10)	0	0		0	0	
PM # 2.5 microns in diameter (PE/PM2.5)	0	0		0	0	
Sulfur dioxide (SO2)	0	0		0.0017	0.0073	AP-42
Nitrogen oxides (NOx)	0	0		0.56	2.44	Manufacturer Data

Carbon monoxide (CO)	0	0		1.59	6.98	Manufacturer Data
Volatile organic compounds (VOC)	0	0		0.56	2.44	Manufacturer Data
Lead (Pb)	0	0		0	0	
Total Hazardous Air Pollutants (HAPs)	0	0		0	0	
Fluoride (F)	0	0		0	0	
Hydrogen Sulfide (H2S)	0	0		0	0	
Mercury (Hg)	0	0		0	0	
Total Reduced Sulfur (TRS)	0	0		0	0	
Sulfuric Acid Mist (SAM)	0	0		0	0	

Hazardous Air Pollutants (HAPs) and Toxic Air Contaminants:

Pollutant	Pollutant Category	Pre-Controlled Potential Emissions (tons/yr)	Efficiency Standards		Potential to Emit (PTE) (lbs/hr)*	Potential to Emit (PTE) (tons/yr)*	Basis for Determination*
			Potential to Emit (PTE)*	Units*			

Greenhouse Gases (GHGs):

Pollutant	Pollutant Category	Pre-Controlled Potential Emissions (tons/yr)	Efficiency Standards		Potential to Emit (PTE) (lbs/hr)*	Potential to Emit (PTE) (tons/yr)*	Basis for Determination*
			Potential to Emit (PTE)*	Units*			

** Provide your calculations as an attachment and explain how all process variables and emissions factors were selected. Note the emission factor(s) employed and document origin. Example: AP-42, Table 4.4-3 (8/97); stack test, Method 5, 4/96; mass balance based on MSDS; etc.*

*** AQD Calculated - See 'Help' for more information.*

- **Best Available Control Technology (BACT)**

  Was a BACT Analysis completed for this unit? No

- **Lowest Achievable Emission Rate (LAER)**

  Was a LAER Analysis completed for this unit? No

- **Federal and State Rule Applicability**

New Source Performance Standards (NSPS) — Not affected
New Source Performance Standards are listed under 40 CFR 60 - Standards of Performance for New Stationary Sources.

National Emission Standards for Hazardous Air Pollutants (NESHAP Part 61) — Not affected
National Emissions Standards for Hazardous Air Pollutants (NESHAP Part 61) are listed under 40 CFR 61. (These include asbestos, benzene, beryllium, mercury, and vinyl chloride).

National Emission Standards for Hazardous Air Pollutants (NESHAP Part 63) — Subject to subpart
National Emission Standards for Hazardous Air Pollutants (NESHAP Part 63) standards are listed under 40 CFR 63.

Part 63 NESHAP Subpart
ZZZZ - Reciprocating Internal Combustion Engines

Prevention of Significant Deterioration (PSD) Not Affected
These rules are found under WAQSR Chapter 6, Section 4.

Non-Attainment New Source Review Not Affected
These rules are found under WAQSR Chapter 6, Section 13.

- **Emission Unit Attachments**

Required Attachment	Public Document Id	Attachment Type	Description

Section II - Specific Air Contaminant Source Information

AQD EU ID: ENG019
AQD EU description:
Company EU ID: ENG019
Company EU Description: Fleet 2 Engine8

- **Source Installation or Modification Schedule** – Select reason(s) for this emissions unit being included in this application (must be completed regardless of date of installation or modification):

  Construction(greenfield/new facility)

- **Emission Unit Type Specific Information**

  Emission Unit Type : Engine
  Btu Content : 1,143.00 Units : Btu/scf
  Fuel Sulfur Content : 0.00 Units : ppm
  Type of Service : Compression

- **Potential Operating Schedule** – Provide the operating schedule for this emissions unit

  Hours/day : 24
  Hours/year : 8760

- **Emissions Information** "Potential to emit" means the maximum capacity of a source to emit any air pollutant under its physical and operational design. Any physical or operational limitation on the capacity of a source to emit an air pollutant, including air pollution control equipment and restrictions on hours of operation or on the type or amount of material combusted, stored or processed, shall be treated as part of its design if the limitation is enforceable by the EPA and the Division. This term does not alter or affect the use of this term for any other purposes under the Act, or the term "capacity factor" as used in Title IV of the Act or the regulations promulgated thereunder.

  Basis for Determination Options:
  - *Manufacturer Data*
  - *Test results for this source*
  - *Similar source test results*
  - *GRICalc*
  - *Tanks Program*
  - *AP-42*
  - *Other. If this is selected, attach a document with a description of the method used.*

  Criteria Pollutants :

Pollutant	Pre-Controlled Potential Emissions (tons/yr)	Efficiency Standards		Potential to Emit (PTE) (lbs/hr)*	Potential to Emit (PTE) (tons/yr)*	Basis for Determination*
		Potential to Emit (PTE)*	Units*			
Particulate emissions (PE/PM) (formerly particulate matter, PM)	0	0		0.0282	0.12	AP-42
PM # 10 microns in diameter (PE/PM10)	0	0		0	0	
PM # 2.5 microns in diameter (PE/PM2.5)	0	0		0	0	
Sulfur dioxide (SO2)	0	0		0.0017	0.0073	AP-42
Nitrogen oxides (NOx)	0	0		0.56	2.44	Manufacturer Data

Carbon monoxide (CO)	0	0		1.59	6.98	Manufacturer Data
Volatile organic compounds (VOC)	0	0		0.56	2.44	Manufacturer Data
Lead (Pb)	0	0		0	0	
Total Hazardous Air Pollutants (HAPs)	0	0		0	0	
Fluoride (F)	0	0		0	0	
Hydrogen Sulfide (H2S)	0	0		0	0	
Mercury (Hg)	0	0		0	0	
Total Reduced Sulfur (TRS)	0	0		0	0	
Sulfuric Acid Mist (SAM)	0	0		0	0	

Hazardous Air Pollutants (HAPs) and Toxic Air Contaminants:

Pollutant	Pollutant Category	Pre-Controlled Potential Emissions (tons/yr)	Efficiency Standards		Potential to Emit (PTE) (lbs/hr)*	Potential to Emit (PTE) (tons/yr)*	Basis for Determination*
			Potential to Emit (PTE)*	Units*			

Greenhouse Gases (GHGs):

Pollutant	Pollutant Category	Pre-Controlled Potential Emissions (tons/yr)	Efficiency Standards		Potential to Emit (PTE) (lbs/hr)*	Potential to Emit (PTE) (tons/yr)*	Basis for Determination*
			Potential to Emit (PTE)*	Units*			

** Provide your calculations as an attachment and explain how all process variables and emissions factors were selected. Note the emission factor(s) employed and document origin. Example: AP-42, Table 4.4-3 (8/97); stack test, Method 5, 4/96; mass balance based on MSDS; etc.*

*** AQD Calculated - See 'Help' for more information.*

- **Best Available Control Technology (BACT)**

  Was a BACT Analysis completed for this unit? No

- **Lowest Achievable Emission Rate (LAER)**

  Was a LAER Analysis completed for this unit? No

- **Federal and State Rule Applicability**

New Source Performance Standards (NSPS) — Not affected
New Source Performance Standards are listed under 40 CFR 60 - Standards of Performance for New Stationary Sources.

National Emission Standards for Hazardous Air Pollutants (NESHAP Part 61) — Not affected
National Emissions Standards for Hazardous Air Pollutants (NESHAP Part 61) are listed under 40 CFR 61. (These include asbestos, benzene, beryllium, mercury, and vinyl chloride).

National Emission Standards for Hazardous Air Pollutants (NESHAP Part 63) — Subject to subpart
National Emission Standards for Hazardous Air Pollutants (NESHAP Part 63) standards are listed under 40 CFR 63.

Part 63 NESHAP Subpart
ZZZZ - Reciprocating Internal Combustion Engines

Prevention of Significant Deterioration (PSD) Not Affected
These rules are found under WAQSR Chapter 6, Section 4.

Non-Attainment New Source Review Not Affected
These rules are found under WAQSR Chapter 6, Section 13.

- **Emission Unit Attachments**

Required Attachment	Public Document Id	Attachment Type	Description

Section II - Specific Air Contaminant Source Information

AQD EU ID: ENG020
AQD EU description:
Company EU ID: ENG20
Company EU Description: Fleet 2 Engine9

- **Source Installation or Modification Schedule** – Select reason(s) for this emissions unit being included in this application (must be completed regardless of date of installation or modification):

  Construction(greenfield/new facility)

- **Emission Unit Type Specific Information**

  Emission Unit Type : Engine
  Btu Content : 1,143.00 Units : Btu/scf
  Fuel Sulfur Content : 0.00 Units : ppm
  Type of Service : Compression

- **Potential Operating Schedule** – Provide the operating schedule for this emissions unit

  Hours/day : 24
  Hours/year : 8760

- **Emissions Information** "Potential to emit" means the maximum capacity of a source to emit any air pollutant under its physical and operational design. Any physical or operational limitation on the capacity of a source to emit an air pollutant, including air pollution control equipment and restrictions on hours of operation or on the type or amount of material combusted, stored or processed, shall be treated as part of its design if the limitation is enforceable by the EPA and the Division. This term does not alter or affect the use of this term for any other purposes under the Act, or the term "capacity factor" as used in Title IV of the Act or the regulations promulgated thereunder.

  Basis for Determination Options:
  - *Manufacturer Data*
  - *Test results for this source*
  - *Similar source test results*
  - *GRICalc*
  - *Tanks Program*
  - *AP-42*
  - *Other. If this is selected, attach a document with a description of the method used.*

  Criteria Pollutants :

Pollutant	Pre-Controlled Potential Emissions (tons/yr)	Efficiency Standards		Potential to Emit (PTE) (lbs/hr)*	Potential to Emit (PTE) (tons/yr)*	Basis for Determination*
		Potential to Emit (PTE)*	Units*			
Particulate emissions (PE/PM) (formerly particulate matter, PM)	0	0		0.011	0.05	AP-42
PM # 10 microns in diameter (PE/PM10)	0	0		0	0	
PM # 2.5 microns in diameter (PE/PM2.5)	0	0		0	0	
Sulfur dioxide (SO2)	0	0		0.0006	0.003	AP-42
Nitrogen oxides (NOx)	0	0		0.21	0.93	Manufacturer Data

Carbon monoxide (CO)	0	0		0.61	2.66	Manufacturer Data
Volatile organic compounds (VOC)	0	0		0.21	0.93	Manufacturer Data
Lead (Pb)	0	0		0	0	
Total Hazardous Air Pollutants (HAPs)	0	0		0	0	
Fluoride (F)	0	0		0	0	
Hydrogen Sulfide (H2S)	0	0		0	0	
Mercury (Hg)	0	0		0	0	
Total Reduced Sulfur (TRS)	0	0		0	0	
Sulfuric Acid Mist (SAM)	0	0		0	0	

Hazardous Air Pollutants (HAPs) and Toxic Air Contaminants:

Pollutant	Pollutant Category	Pre-Controlled Potential Emissions (tons/yr)	Efficiency Standards		Potential to Emit (PTE) (lbs/hr)*	Potential to Emit (PTE) (tons/yr)*	Basis for Determination*
			Potential to Emit (PTE)*	Units*			

Greenhouse Gases (GHGs):

Pollutant	Pollutant Category	Pre-Controlled Potential Emissions (tons/yr)	Efficiency Standards		Potential to Emit (PTE) (lbs/hr)*	Potential to Emit (PTE) (tons/yr)*	Basis for Determination*
			Potential to Emit (PTE)*	Units*			

** Provide your calculations as an attachment and explain how all process variables and emissions factors were selected. Note the emission factor(s) employed and document origin. Example: AP-42, Table 4.4-3 (8/97); stack test, Method 5, 4/96; mass balance based on MSDS; etc.*

*** AQD Calculated - See 'Help' for more information.*

- **Best Available Control Technology (BACT)**

  Was a BACT Analysis completed for this unit? No

- **Lowest Achievable Emission Rate (LAER)**

  Was a LAER Analysis completed for this unit? No

- **Federal and State Rule Applicability**

New Source Performance Standards (NSPS) — Not affected
New Source Performance Standards are listed under 40 CFR 60 - Standards of Performance for New Stationary Sources.

National Emission Standards for Hazardous Air Pollutants (NESHAP Part 61) — Not affected
National Emissions Standards for Hazardous Air Pollutants (NESHAP Part 61) are listed under 40 CFR 61. (These include asbestos, benzene, beryllium, mercury, and vinyl chloride).

National Emission Standards for Hazardous Air Pollutants (NESHAP Part 63) — Subject to subpart
National Emission Standards for Hazardous Air Pollutants (NESHAP Part 63) standards are listed under 40 CFR 63.

Part 63 NESHAP Subpart
ZZZZ - Reciprocating Internal Combustion Engines

Prevention of Significant Deterioration (PSD) Not Affected
These rules are found under WAQSR Chapter 6, Section 4.

Non-Attainment New Source Review Not Affected
These rules are found under WAQSR Chapter 6, Section 13.

- **Emission Unit Attachments**

Required Attachment	Public Document Id	Attachment Type	Description

Section II - Specific Air Contaminant Source Information

AQD EU ID: ENG021
AQD EU description:
Company EU ID: ENG21
Company EU Description: Fleet 2 Engine10

- **Source Installation or Modification Schedule** – Select reason(s) for this emissions unit being included in this application (must be completed regardless of date of installation or modification):

  Construction(greenfield/new facility)

- **Emission Unit Type Specific Information**

  Emission Unit Type : Engine
  Btu Content : 1,143.00 Units : Btu/scf
  Fuel Sulfur Content : 0.00 Units : ppm
  Type of Service : Compression

- **Potential Operating Schedule** – Provide the operating schedule for this emissions unit

  Hours/day : 24
  Hours/year : 8760

- **Emissions Information** "Potential to emit" means the maximum capacity of a source to emit any air pollutant under its physical and operational design. Any physical or operational limitation on the capacity of a source to emit an air pollutant, including air pollution control equipment and restrictions on hours of operation or on the type or amount of material combusted, stored or processed, shall be treated as part of its design if the limitation is enforceable by the EPA and the Division. This term does not alter or affect the use of this term for any other purposes under the Act, or the term "capacity factor" as used in Title IV of the Act or the regulations promulgated thereunder.

  Basis for Determination Options:
  - *Manufacturer Data*
  - *Test results for this source*
  - *Similar source test results*
  - *GRICalc*
  - *Tanks Program*
  - *AP-42*
  - *Other. If this is selected, attach a document with a description of the method used.*

  Criteria Pollutants :

Pollutant	Pre-Controlled Potential Emissions (tons/yr)	Efficiency Standards		Potential to Emit (PTE) (lbs/hr)*	Potential to Emit (PTE) (tons/yr)*	Basis for Determination*
		Potential to Emit (PTE)*	Units*			
Particulate emissions (PE/PM) (formerly particulate matter, PM)	0	0		0.015	0.07	AP-42
PM # 10 microns in diameter (PE/PM10)	0	0		0	0	
PM # 2.5 microns in diameter (PE/PM2.5)	0	0		0	0	
Sulfur dioxide (SO2)	0	0		0.0009	0.0039	AP-42
Nitrogen oxides (NOx)	0	0		0.3	1.3	Manufacturer Data

Carbon monoxide (CO)	0	0		0.85	3.73	Manufacturer Data
Volatile organic compounds (VOC)	0	0		0.3	1.3	Manufacturer Data
Lead (Pb)	0	0		0	0	
Total Hazardous Air Pollutants (HAPs)	0	0		0	0	
Fluoride (F)	0	0		0	0	
Hydrogen Sulfide (H2S)	0	0		0	0	
Mercury (Hg)	0	0		0	0	
Total Reduced Sulfur (TRS)	0	0		0	0	
Sulfuric Acid Mist (SAM)	0	0		0	0	

Hazardous Air Pollutants (HAPs) and Toxic Air Contaminants:

Pollutant	Pollutant Category	Pre-Controlled Potential Emissions (tons/yr)	Efficiency Standards		Potential to Emit (PTE) (lbs/hr)*	Potential to Emit (PTE) (tons/yr)*	Basis for Determination*
			Potential to Emit (PTE)*	Units*			

Greenhouse Gases (GHGs):

Pollutant	Pollutant Category	Pre-Controlled Potential Emissions (tons/yr)	Efficiency Standards		Potential to Emit (PTE) (lbs/hr)*	Potential to Emit (PTE) (tons/yr)*	Basis for Determination*
			Potential to Emit (PTE)*	Units*			

** Provide your calculations as an attachment and explain how all process variables and emissions factors were selected. Note the emission factor(s) employed and document origin. Example: AP-42, Table 4.4-3 (8/97); stack test, Method 5, 4/96; mass balance based on MSDS; etc.*

*** AQD Calculated - See 'Help' for more information.*

- **Best Available Control Technology (BACT)**

  Was a BACT Analysis completed for this unit? No

- **Lowest Achievable Emission Rate (LAER)**

  Was a LAER Analysis completed for this unit? No

- **Federal and State Rule Applicability**

New Source Performance Standards (NSPS) — Not affected
New Source Performance Standards are listed under 40 CFR 60 - Standards of Performance for New Stationary Sources.

National Emission Standards for Hazardous Air Pollutants (NESHAP Part 61) — Not affected
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Part 63 NESHAP Subpart
ZZZZ - Reciprocating Internal Combustion Engines

Prevention of Significant Deterioration (PSD) Not Affected
These rules are found under WAQSR Chapter 6, Section 4.

Non-Attainment New Source Review Not Affected
These rules are found under WAQSR Chapter 6, Section 13.

- **Emission Unit Attachments**

Required Attachment	Public Document Id	Attachment Type	Description

Facility Detail Report
Facility Name: Strategic Pad Compression Fleet
ID: F026827

Facility : F026827

Jul 31 2015, 16:02:01

- Facility Information

Facility ID: F026827

FacilityName: Strategic Pad Compression Fleet

Facility Description:

Company Name: BP America Production Company

Operating Status: Operating

AFS:

Facility Class: Minor

Facility Type: Compressor, Portable

CERR Class: NON

- Location

Physical Address	City	County	Lat/Long	PLSS	Effective Date
Section 19, 22N, 93W	Sweetwater County	Sweetwater	41.86148/-107.95972	S19-T22N-R93W	04/13/2015

Location Detail For : Section 19, 22N, 93W

Latitude: 41.86148

Longitude: -107.95972

Quarter Quarter:

Quarter:

Section: 19

Township: 22N

Range: 93W

County: Sweetwater

State: Wyoming

Distict: District 5

Physical Address 1: Section 19, 22N, 93W

Physical Address 2:

City: Sweetwater County

Zip: 82935

Effective Date: 04/13/2015

- Notes

User Name	Date	Note

- NAICS Codes

211111 Crude Petroleum and Natural Gas Extraction (SIC 1311)

- Contacts

Contact Type	Contact Person	Phone Number	Email	Start Date	End Date
Environmental contact	Caldwell, Shanda	(307)328-3779	shanda.caldwell@bp.com	05/08/2015	

Contact Detail For : Caldwell, Shanda

Prefix: Ms.

First Name: Shanda

Middle Name:

Last Name: Caldwell

Suffix:

Company Title: Area Environmental Advisor

Contact's Company Name: BP America Production Company

Address 1: P.O. Box 157

Address 2: