

**NSR Application A0001341**  
**Mobile Compression Fleet 2**  
**F026973**  
**July 29, 2015**

**Air Quality Division**  
**Application for NSR Permit**

Aug 25 2015, 14:18:22

**NSR Application**

Date application received : 07/29/2015

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 :	<input checked="" type="checkbox"/> Construction	<input type="checkbox"/> Synthetic Minor
	<input type="checkbox"/> Modification	<input type="checkbox"/> Temporary Permit
	<input type="checkbox"/> Reconstruction	<input type="checkbox"/> Other

Facility Type :  
Sage Grouse :

**Purpose of Application**

Please summarize the reason this permit is being applied for.

BP would like to permit a compressor 145 hp Caterpillar G3306NA that would have the ability to move throughout the Wamsutter field, Sweetwater and Carbon Counties. The compressor is estimated to be at each location for approximately 90 days, but could remain upwards of six (6) months.

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)** 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.*

**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.

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Name	Title	Company
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**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**

<b>Required Attachment</b>	<b>Public Document Id</b>	<b>Attachment Type</b>	<b>Description</b>
X	6937	Emissions Calculations	emission calcs
X	6938	Cover Letter/Project Description	cover letter
	6939	Process Flow Diagram	flow diagram
	6940	Equipment List	equipment list

- **Notes**

<b>User Name</b>	<b>Date</b>	<b>Note</b>
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**Section II - Specific Air Contaminant Source Information**

**AQD EU ID:** ENG001

**AQD EU description:**

**Company EU ID:** Comp Engine

**Company EU Description:** 145 hp Caterpillar  
G3306 NA

- **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		0.11	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		0.001	0.003	AP-42
Nitrogen oxides (NOx)	0	0		0.21	0.93	Manufactur

						er Data
Carbon monoxide (CO)	0	0		0.61	2.67	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)**

New Source Performance Standards are listed under 40 CFR 60 - Standards of Performance for New Stationary Sources.

Not affected

**National Emission Standards for Hazardous Air Pollutants (NESHAP Part 61)**

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).

Not affected

**National Emission Standards for Hazardous Air Pollutants (NESHAP Part 63)**

National Emission Standards for Hazardous Air Pollutants

Subject to subpart

(NESHAP Part 63) standards are listed under 40 CFR 63.

<b>Part 63 NESHAP Subpart</b>
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
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