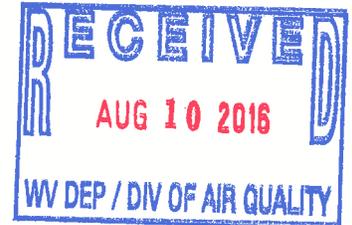




August 9, 2016  
Project No. 16-291

Ms. Carrie McCumbers  
Title V Program Manager  
West Virginia DEP  
Division of Air Quality  
601 57<sup>th</sup> Street, S.E.  
Charleston, West Virginia 25304



**Renewal of Title V Permit R30-083-00018-2012**  
**Energy Corporation of America**  
**Mabie Compressor Station**  
**Cassity, West Virginia**

Dear Ms. McCumbers:

Please find enclosed two (2) copies of the Title V renewal application package for the Mabie Compressor Station. In accordance with the Title V Completeness Checklist Energy Corporation of America is requesting a permit shield.

Should you have any questions or require additional information, please advise.

Sincerely,

Lori Steele  
Senior Environmental Scientist

Cc: Travis Wendel

Enclosures

**August 2016  
Project No. 16-291**

# **REGULATION 30 PERMIT RENEWAL APPLICATION**

**PERMIT NUMBER R30-08300018-2012**

**ENERGY CORPORATION OF AMERICA  
MABIE COMPRESSOR STATION  
CASSITY, WEST VIRGINIA**

**PREPARED BY:**

**MSES Consultants, Inc.  
P.O. Drawer 190  
Clarksburg, West Virginia 26302-0190  
(304) 624-9700**

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## Description

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<b>C</b>	<b>Process Flow Diagram(s)</b>
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<b>E</b>	<b>Emission Unit Form(s)</b>



WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION

DIVISION OF AIR QUALITY

601 57th Street SE
Charleston, WV 25304
Phone: (304) 926-0475

www.dep.wv.gov/daq

INITIAL/RENEWAL TITLE V PERMIT APPLICATION - GENERAL FORMS

Section 1: General Information

Form with 10 sections: 1. Name of Applicant (Energy Corporation of America), 2. Facility Name (Mabie Compressor Station), 3. DAQ Plant ID No. (083-00018), 4. Federal Employer ID No. (841235822), 5. Permit Application Type (Renewal), 6. Type of Business Entity (Corporation), 7. Is the Applicant the: (Both), 8. Number of onsite employees (0), 9. Governmental Code (Privately owned), 10. Business Confidentiality Claims (No).

<b>11. Mailing Address</b>		
<b>Street or P.O. Box:</b> 500 Corporate Landing		
<b>City:</b> Charleston	<b>State:</b> WV	<b>Zip:</b> 25311
<b>Telephone Number:</b> (304) 472-6100	<b>Fax Number:</b> (304) 472-0479	

<b>12. Facility Location</b>		
<b>Street:</b> County Route 35/7	<b>City:</b> Cassity	<b>County:</b> Randolph
<b>UTM Easting:</b> 583.745 km	<b>UTM Northing:</b> 4,298.111 km	<b>Zone:</b> <input checked="" type="checkbox"/> 17 or <input type="checkbox"/> 18
<b>Directions:</b> From Old US 33 in Buckhannon, proceed approximately 15 miles to County Route 53 (Pumpkintown-Coalton Road). Follow CR 53 to CR 37/8. Turn right onto CR 37/8 and proceed through the town of Mabie. Make a right onto CR 35 for 5.5 miles to a sharp left hand curve in Cassity. Station access road goes to the right on a gravel road (CR 35/7) in this curve.		
<b>Portable Source?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
<b>Is facility located within a nonattainment area?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<b>If yes, for what air pollutants?</b>	
<b>Is facility located within 50 miles of another state?</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<b>If yes, name the affected state(s).</b> Maryland Virginia	
<b>Is facility located within 100 km of a Class I Area<sup>1</sup>?</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <b>If no, do emissions impact a Class I Area<sup>1</sup>?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No	<b>If yes, name the area(s).</b> Otter Creek Wilderness Area Dolly Sods Wilderness Area	
<sup>1</sup> Class I areas include Dolly Sods and Otter Creek Wilderness Areas in West Virginia, and Shenandoah National Park and James River Face Wilderness Area in Virginia.		

<b>13. Contact Information</b>		
<b>Responsible Official:</b> Joe Farris		<b>Title:</b> District Manager
<b>Street or P.O. Box:</b> 500 Corporate Landing		
<b>City:</b> Charleston	<b>State:</b> WV	<b>Zip:</b> 25311
<b>Telephone Number:</b> (304) 472-6100	<b>Fax Number:</b> (304) 472-0479	
<b>E-mail address:</b> jfarris@eca.com		
<b>Environmental Contact:</b> Eric Martin		<b>Title:</b> Pipeline Analyst
<b>Street or P.O. Box:</b> P.O. Box 459		
<b>City:</b> Buckhannon	<b>State:</b> WV	<b>Zip:</b> 26201
<b>Telephone Number:</b> (304) 472-6100	<b>Fax Number:</b> (304) 472-0479	
<b>E-mail address:</b> emartin@eca.com		
<b>Application Preparer:</b> Travis Wendel		<b>Title:</b> Permit Technician
<b>Company:</b> Energy Corporation of America		
<b>Street or P.O. Box:</b> 101 Heritage Run Road, Suite 1		
<b>City:</b> Indiana	<b>State:</b> PA	<b>Zip:</b> 15701
<b>Telephone Number:</b> (724) 463-8400	<b>Fax Number:</b> (724) 463-9750	
<b>E-mail address:</b> twendel@eca.com		

**14. Facility Description**

List all processes, products, NAICS and SIC codes for normal operation, in order of priority. Also list any process, products, NAICS and SIC codes associated with any alternative operating scenarios if different from those listed for normal operation.

Process	Products	NAICS	SIC
Natural Gas Transmission	Natural Gas	486210	4922

**Provide a general description of operations.**

The Mabie Station is a natural gas transmission facility covered by NAICS 486210 and SIC 4922. The station has the potential to operate seven (7) days per week, twenty-four (24) hours per day. The station consists of two (2) 250-hp and one (1) 600-hp natural gas fired reciprocating engines, one (1) 30.2-hp emergency generator, and five (5) storage tanks of various sizes.

- 15. Provide an **Area Map** showing plant location as **ATTACHMENT A**.
- 16. Provide a **Plot Plan(s)**, e.g. scaled map(s) and/or sketch(es) showing the location of the property on which the stationary source(s) is located as **ATTACHMENT B**. For instructions, refer to "Plot Plan - Guidelines."
- 17. Provide a detailed **Process Flow Diagram(s)** showing each process or emissions unit as **ATTACHMENT C**. Process Flow Diagrams should show all emission units, control equipment, emission points, and their relationships.

**Section 2: Applicable Requirements**

<b>18. Applicable Requirements Summary</b>	
Instructions: Mark all applicable requirements.	
<input type="checkbox"/> SIP	<input type="checkbox"/> FIP
<input checked="" type="checkbox"/> Minor source NSR (45CSR13)	<input type="checkbox"/> PSD (45CSR14)
<input type="checkbox"/> NESHAP (45CSR34)	<input type="checkbox"/> Nonattainment NSR (45CSR19)
<input checked="" type="checkbox"/> Section 111 NSPS	<input checked="" type="checkbox"/> Section 112(d) MACT standards
<input type="checkbox"/> Section 112(g) Case-by-case MACT	<input type="checkbox"/> 112(r) RMP
<input type="checkbox"/> Section 112(i) Early reduction of HAP	<input type="checkbox"/> Consumer/commercial prod. reqts., section 183(e)
<input type="checkbox"/> Section 129 Standards/Reqts.	<input type="checkbox"/> Stratospheric ozone (Title VI)
<input type="checkbox"/> Tank vessel reqt., section 183(f)	<input type="checkbox"/> Emissions cap 45CSR§30-2.6.1
<input type="checkbox"/> NAAQS, increments or visibility (temp. sources)	<input type="checkbox"/> 45CSR27 State enforceable only rule
<input type="checkbox"/> 45CSR4 State enforceable only rule	<input type="checkbox"/> Acid Rain (Title IV, 45CSR33)
<input type="checkbox"/> Emissions Trading and Banking (45CSR28)	<input type="checkbox"/> Compliance Assurance Monitoring (40CFR64)
<input type="checkbox"/> CAIR NO <sub>x</sub> Annual Trading Program (45CSR39)	<input type="checkbox"/> CAIR NO <sub>x</sub> Ozone Season Trading Program (45CSR40)
<input type="checkbox"/> CAIR SO <sub>2</sub> Trading Program (45CSR41)	

<b>19. Non Applicability Determinations</b>
<p><b>List all requirements which the source has determined not applicable and for which a permit shield is requested. The listing shall also include the rule citation and the reason why the shield applies.</b></p> <p>45 CSR21 – Regulation to Prevent and Control Air Pollution from the emission of Volatile Organic Compounds: Ellamore compressor station is not located in Cabell, Kanawha, Putnam, Wayne, or Wood counties that are affected by 45CSR21.</p> <p>45CSR27 – To Prevent and Control the emissions of Toxic Air pollutants: Natural gas is included as a petroleum product and contains less than 5% Benzene by weight. 45CSR27-2.4 exempts equipment “used in the production and distribution of petroleum products that such equipment does not produce or contact materials containing more than 5% Benzene by weight.</p>
<p><input checked="" type="checkbox"/> Permit Shield</p>

**19. Non Applicability Determinations (Continued) - Attach additional pages as necessary.**

**List all requirements which the source has determined not applicable and for which a permit shield is requested. The listing shall also include the rule citation and the reason why the shield applies.**

40 CFR 60 Subpart GG – Standard of Performance for stationary gas turbines. There are no turbines at the Mabie Compressor station.

40 CFR 60 Subpart K – Standard of performance for storage vessels for petroleum liquids for which construction, reconstruction, or modification commenced after June 11, 1973, and prior to May 19, 1978. All tanks are below 40, 000 gallons in capacity.

40 CFR 60 Subpart Ka – Standard of performance for storage vessels for petroleum liquids for which construction, reconstruction, or modification commenced after May 18, 1978, and prior to July 23, 1984. All tanks are below 40, 000 gallons in capacity.

40 CFR 60 Subpart Kb – Standard of performance for storage vessels for petroleum liquids for which construction, reconstruction, or modification commenced after July 23, 1984. All tanks storing volatile organic liquids are below 75 m<sup>3</sup> in capacity.

40 CFR 63 Subpart HH – national emission standards for hazardous air pollutants from oil and natural gas production facilities. The Mabie compressor station is not a natural gas production facility.

40 CFR 63 Subpart HHH – National emission standards for hazardous air pollutants from natural gas transmission and storage facilities. The facility transports less than 8 MM standard cubic feet of natural gas per day. The facilities potential to emit is below the applicability threshold due to operation of the flare which controls emissions from the dehydrator.

40 CFR 60 Subpart KKK – Standard of performance for equipment leaks of VOC from onshore natural gas processing plants. Mabie station is not engaged in the extraction of natural gas or in the fractionation of mixed natural gas liquids to natural gas products.

40 CFR 60 Subpart LLL – Standards of performance for onshore natural gas processing: SO<sub>2</sub> emissions. There are no sweetening units at the Mabie station.

40 CFR 60 Subpart KKKK – Standards of Performance for Stationary Combustion Turbines. There are no turbines at the Mabie station.

40 CFR 60 Subpart IIII – Standards of Performance for Stationary compression Ignition Internal Combustion Engines: There are no compression ignition engines at this facility.

40 CFR 60 Subpart JJJJ – Standards of Performance for Stationary Spark Ignition Internal Combustion Engines: All engines at the facility were constructed, reconstructed, or modified prior to the June 12, 2006 applicability date listed in 60.4230(a)(4).

40 CFR 60 Subpart OOOO – Standards of Performance for Crude Oil and Natural Gas Production, Transmission and Distribution: This subpart does not apply because it is a transmission facility making it exempt from the requirements for gas wells, centrifugal compressors, reciprocating compressors, and/or pneumatic controllers. No storage vessels have been constructed, modified, or reconstructed after August 23, 2011 in accordance with 60.5365(e).

40 CFR 64 – The facility does not have any pollutant-specific emissions units (PSEU) that satisfy all of the applicability criteria requirements of 40CFR64.2(a) therefore, the facility is not subject to the Compliance Assurance Monitoring (CAM) rule.

Permit Shield

**20. Facility-Wide Applicable Requirements**

List all facility-wide applicable requirements. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit** with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements).

**45CSR6-3.1** – The open burning refuse by any person, firm, corporation, association or public agency is prohibited except as noted in 45CSR6-3.1.

**45CSR6-3.2** – The exemptions listed in 45CSR6-3.1.

**40CFR61.145(b) and 45CSR34** – thoroughly inspect the facility, or part of the facility, prior to commencement of demolition and renovation for the presence of asbestos and complying with 40CFR61.145, 61.148 and 61.150. Notify the Secretary at least ten (10) working days prior to the commencement of any asbestos removal on the forms prescribed by the secretary. If subject to the notification requirements of 40CFR61.145(b)(3)(i). The USEPA, the Division of Waste Management and the Bureau for Public Health – Environmental health requires a copy of this notice to be sent to them.

**45CSR4-3.1 State-Enforceable Only** – No person shall cause, suffer, allow or permit the discharge of air pollutants which cause or contribute to an objectionable odor at any location occupied by the public.

**45CSR11-5.2** – When requested by the Secretary, prepare standby plans for reducing emissions of air pollutants in accordance with the objectives set forth in Tables I, II, and III of 45 CSR11.

**W.Va. Code 22-5-4(a)(14)** – Submit, on an annual basis, an emission inventory in accordance with the submittal requirements of the Division of Air Quality.

**40 C.F.R. 82, Subpart F** – Ozone-depleting substances.

**40 C.F.R. 68** – Risk Management Plan. Submit a risk management plan if the source becomes subject.

Permit Shield

**For all facility-wide applicable requirements listed above, provide monitoring/testing / recordkeeping / reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number and/or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)**

**WV Code 22-8-4(a)(14-15) and 45CSR13** – the secretary may require tests to determine compliance with emission limits. The Secretary, or his duly authorized representative, may at his opinion witness or conduct such tests. Should the secretary exercise his option to conduct such tests, the operator shall provide all necessary sampling connections and sampling ports to be located in such a manner as the secretary may require, power for test equipment and the required safety equipment, such as scaffolding, railings and ladders, to comply with generally accepted good safety practices.

The Secretary may approve or specify additional or alternative testing to the test methods specifically in the permit for demonstrating compliance with 40CFR Parts 60, 61, and 63, if applicable, in accordance with the secretary's delegated authority and any established equivalency determination methods which are applicable.

The Secretary may approve or specify additional or alternative testing to demonstrate compliance with applicable requirements which do not involve federal delegation.

All periodic tests to determine mass emission limits from or air pollutant concentrations is discharge stacks and such other tests as specified in this permit shall be conducted in accordance with an approved test protocol. Unless previously approved, such protocols shall be submitted to the secretary in writing at least thirty (30) days prior to any testing and shall contain the information set forth by the secretary. In addition, notify the secretary at least fifteen (15) days prior to any testing so the secretary may have the opportunity to observe such tests.

**45CSR30-5.1.c.2.A** – Keep records of monitoring information that include the date, place as defined in the permit and time of sampling or measurements; the date(s) of analyses performed; the company or entity that performed the analyses; the analytical techniques or methods used; the results of the analyses; and the operating conditions existing at the time of sampling or measurement.

**45CSR30-5.1.c.2.B** – Retain records of all required monitoring data and support information for a period of at least five (5) years from the date of monitoring sample, measurement, report, application, or record creation date.

**45CSR30-5.1.c. State-Enforceable only** – Maintain a record of all odor complaints and any responsive action(s) taken.

**45CSR30-4.4 and 5.1c.3D** – Any application from, report, or compliance certification requirements to be submitted to the DAQ and/or USEPA shall contain a certification by the responsible official that states that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.

**45CSR30-5.1.c.3.E** – confidential treatment for the submission of reporting required under 45CSR30-4.1.c.3. pursuant to the limitations and procedures of WV Code 22-5-10 and 45 CSR31.

**45CSR30-8** – Submit a certified emission statement and pay fees on an annual basis in accordance with the submittal requirements of the Division of Air Quality.

**45CSR30-5.3.e** – Certify compliance with the condition of this permit on the forms provided by the DAQ. In addition to the annual compliance certification, certifications may be required more frequently under an applicable requirement. The annual certification shall be submitted to the DAQ and USEPA on or before March 15 of each year, and shall certify compliance for the period ending December 31. Maintain a copy of the certification on site for five (5) years from submittal of the certification.

Are you in compliance with all facility-wide applicable requirements?  Yes  No

If no, complete the Schedule of Compliance Form as ATTACHMENT F.

**20. Facility-Wide Applicable Requirements (Continued) - Attach additional pages as necessary.**

List all facility-wide applicable requirements. For each applicable requirement, include the rule citation and/or permit with the condition number.

Permit Shield

For all facility-wide applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number and/or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

**45CFR30-5.1.c.3.A.** – Submit reports of any required monitoring on or before September 15 for the reporting period January 1 to June 30 and on or before March 15 for the reporting period July 1 to December 31. All instances of deviation from permit requirements must be clearly identified in such reports. All required reports must be certified by a responsible official consistent with 45CSR30-4.4.

**45CSR30-5.1.c.3.C.** – Promptly submit supplemental reports and notices of any deviations resulting from emergency or upset conditions.

**40CSR30-5.1.c.3.B.** – Report probable cause of deviations and any corrective actions or preventative measures taken in accordance with any rules of the secretary

**40CSR30-4.3.h.1.B.** – Meet any new applicable requirement on a timely basis, or in accordance with a more detailed schedule if required by the applicable requirement.

Are you in compliance with all facility-wide applicable requirements?  Yes  No

If no, complete the Schedule of Compliance Form as ATTACHMENT F.





**Section 3: Facility-Wide Emissions**

<b>23. Facility-Wide Emissions Summary [Tons per Year]</b>	
<b>Criteria Pollutants</b>	<b>Potential Emissions</b>
Carbon Monoxide (CO)	195.20
Nitrogen Oxides (NO <sub>x</sub> )	115.97
Lead (Pb)	
Particulate Matter (PM <sub>2.5</sub> ) <sup>1</sup>	0.50
Particulate Matter (PM <sub>10</sub> ) <sup>1</sup>	0.50
Total Particulate Matter (TSP)	1.02
Sulfur Dioxide (SO <sub>2</sub> )	0.031
Volatile Organic Compounds (VOC)	1.55
<b>Hazardous Air Pollutants<sup>2</sup></b>	<b>Potential Emissions</b>
Formaldehyde	1.08
<b>Regulated Pollutants other than Criteria and HAP</b>	<b>Potential Emissions</b>
Carbon Dioxide	5,772
Methane	12.07

<sup>1</sup>PM<sub>2.5</sub> and PM<sub>10</sub> are components of TSP.  
<sup>2</sup>For HAPs that are also considered PM or VOCs, emissions should be included in both the HAPs section and the Criteria Pollutants section.

**Section 4: Insignificant Activities**

<b>24. Insignificant Activities (Check all that apply)</b>	
<input checked="" type="checkbox"/>	1. Air compressors and pneumatically operated equipment, including hand tools.
<input checked="" type="checkbox"/>	2. Air contaminant detectors or recorders, combustion controllers or shutoffs.
<input checked="" type="checkbox"/>	3. Any consumer product used in the same manner as in normal consumer use, provided the use results in a duration and frequency of exposure which are not greater than those experienced by consumer, and which may include, but not be limited to, personal use items; janitorial cleaning supplies, office supplies and supplies to maintain copying equipment.
<input checked="" type="checkbox"/>	4. Bathroom/toilet vent emissions.
<input checked="" type="checkbox"/>	5. Batteries and battery charging stations, except at battery manufacturing plants.
<input checked="" type="checkbox"/>	6. Bench-scale laboratory equipment used for physical or chemical analysis, but not lab fume hoods or vents. Many lab fume hoods or vents might qualify for treatment as insignificant (depending on the applicable SIP) or be grouped together for purposes of description.
<input type="checkbox"/>	7. Blacksmith forges.
<input checked="" type="checkbox"/>	8. Boiler water treatment operations, not including cooling towers.
<input checked="" type="checkbox"/>	9. Brazing, soldering or welding equipment used as an auxiliary to the principal equipment at the source.
<input checked="" type="checkbox"/>	10. CO <sub>2</sub> lasers, used only on metals and other materials which do not emit HAP in the process.
<input checked="" type="checkbox"/>	11. Combustion emissions from propulsion of mobile sources, except for vessel emissions from Outer Continental Shelf sources.
<input checked="" type="checkbox"/>	12. Combustion units designed and used exclusively for comfort heating that use liquid petroleum gas or natural gas as fuel.
<input checked="" type="checkbox"/>	13. Comfort air conditioning or ventilation systems not used to remove air contaminants generated by or released from specific units of equipment.
<input checked="" type="checkbox"/>	14. Demineralized water tanks and demineralizer vents.
<input type="checkbox"/>	15. Drop hammers or hydraulic presses for forging or metalworking.
<input type="checkbox"/>	16. Electric or steam-heated drying ovens and autoclaves, but not the emissions from the articles or substances being processed in the ovens or autoclaves or the boilers delivering the steam.
<input checked="" type="checkbox"/>	17. Emergency (backup) electrical generators at residential locations.
<input checked="" type="checkbox"/>	18. Emergency road flares.
<input type="checkbox"/>	<p>19. Emission units which do not have any applicable requirements and which emit criteria pollutants (CO, NO<sub>x</sub>, SO<sub>2</sub>, VOC and PM) into the atmosphere at a rate of less than 1 pound per hour and less than 10,000 pounds per year aggregate total for each criteria pollutant from all emission units.</p> <p>Please specify all emission units for which this exemption applies along with the quantity of criteria pollutants emitted on an hourly and annual basis:</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>

24. Insignificant Activities (Check all that apply)	
<input type="checkbox"/>	<p>20. Emission units which do not have any applicable requirements and which emit hazardous air pollutants into the atmosphere at a rate of less than 0.1 pounds per hour and less than 1,000 pounds per year aggregate total for all HAPs from all emission sources. This limitation cannot be used for any source which emits dioxin/furans nor for toxic air pollutants as per 45CSR27.</p> <p>Please specify all emission units for which this exemption applies along with the quantity of hazardous air pollutants emitted on an hourly and annual basis:</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>
<input type="checkbox"/>	21. Environmental chambers not using hazardous air pollutant (HAP) gases.
<input checked="" type="checkbox"/>	22. Equipment on the premises of industrial and manufacturing operations used solely for the purpose of preparing food for human consumption.
<input type="checkbox"/>	23. Equipment used exclusively to slaughter animals, but not including other equipment at slaughterhouses, such as rendering cookers, boilers, heating plants, incinerators, and electrical power generating equipment.
<input checked="" type="checkbox"/>	24. Equipment used for quality control/assurance or inspection purposes, including sampling equipment used to withdraw materials for analysis.
<input checked="" type="checkbox"/>	25. Equipment used for surface coating, painting, dipping or spray operations, except those that will emit VOC or HAP.
<input checked="" type="checkbox"/>	26. Fire suppression systems.
<input checked="" type="checkbox"/>	27. Firefighting equipment and the equipment used to train firefighters.
<input checked="" type="checkbox"/>	28. Flares used solely to indicate danger to the public.
<input checked="" type="checkbox"/>	29. Fugitive emission related to movement of passenger vehicle provided the emissions are not counted for applicability purposes and any required fugitive dust control plan or its equivalent is submitted.
<input checked="" type="checkbox"/>	30. Hand-held applicator equipment for hot melt adhesives with no VOC in the adhesive formulation.
<input checked="" type="checkbox"/>	31. Hand-held equipment for buffing, polishing, cutting, drilling, sawing, grinding, turning or machining wood, metal or plastic.
<input type="checkbox"/>	32. Humidity chambers.
<input checked="" type="checkbox"/>	33. Hydraulic and hydrostatic testing equipment.
<input checked="" type="checkbox"/>	34. Indoor or outdoor kerosene heaters.
<input checked="" type="checkbox"/>	35. Internal combustion engines used for landscaping purposes.
<input checked="" type="checkbox"/>	36. Laser trimmers using dust collection to prevent fugitive emissions.
<input type="checkbox"/>	37. Laundry activities, except for dry-cleaning and steam boilers.
<input checked="" type="checkbox"/>	38. Natural gas pressure regulator vents, excluding venting at oil and gas production facilities.
<input type="checkbox"/>	39. Oxygen scavenging (de-aeration) of water.
<input type="checkbox"/>	40. Ozone generators.

<b>24. Insignificant Activities (Check all that apply)</b>	
<input checked="" type="checkbox"/>	41. Plant maintenance and upkeep activities (e.g., grounds-keeping, general repairs, cleaning, painting, welding, plumbing, re-tarring roofs, installing insulation, and paving parking lots) provided these activities are not conducted as part of a manufacturing process, are not related to the source's primary business activity, and not otherwise triggering a permit modification. (Cleaning and painting activities qualify if they are not subject to VOC or HAP control requirements. Asphalt batch plant owners/operators must still get a permit if otherwise requested.)
<input checked="" type="checkbox"/>	42. Portable electrical generators that can be moved by hand from one location to another. "Moved by Hand" means that it can be moved without the assistance of any motorized or non-motorized vehicle, conveyance, or device.
<input checked="" type="checkbox"/>	43. Process water filtration systems and demineralizers.
<input checked="" type="checkbox"/>	44. Repair or maintenance shop activities not related to the source's primary business activity, not including emissions from surface coating or de-greasing (solvent metal cleaning) activities, and not otherwise triggering a permit modification.
<input checked="" type="checkbox"/>	45. Repairs or maintenance where no structural repairs are made and where no new air pollutant emitting facilities are installed or modified.
<input checked="" type="checkbox"/>	46. Routing calibration and maintenance of laboratory equipment or other analytical instruments.
<input type="checkbox"/>	47. Salt baths using nonvolatile salts that do not result in emissions of any regulated air pollutants. Shock chambers.
<input type="checkbox"/>	48. Shock chambers.
<input type="checkbox"/>	49. Solar simulators.
<input checked="" type="checkbox"/>	50. Space heaters operating by direct heat transfer.
<input type="checkbox"/>	51. Steam cleaning operations.
<input type="checkbox"/>	52. Steam leaks.
<input type="checkbox"/>	53. Steam sterilizers.
<input checked="" type="checkbox"/>	54. Steam vents and safety relief valves.
<input checked="" type="checkbox"/>	55. Storage tanks, reservoirs, and pumping and handling equipment of any size containing soaps, vegetable oil, grease, animal fat, and nonvolatile aqueous salt solutions, provided appropriate lids and covers are utilized.
<input checked="" type="checkbox"/>	56. Storage tanks, vessels, and containers holding or storing liquid substances that will not emit any VOC or HAP. Exemptions for storage tanks containing petroleum liquids or other volatile organic liquids should be based on size limits such as storage tank capacity and vapor pressure of liquids stored and are not appropriate for this list.
<input type="checkbox"/>	57. Such other sources or activities as the Director may determine.
<input checked="" type="checkbox"/>	58. Tobacco smoking rooms and areas.
<input checked="" type="checkbox"/>	59. Vents from continuous emissions monitors and other analyzers.

**Section 5: Emission Units, Control Devices, and Emission Points**

<b>25. Equipment Table</b>
Fill out the <b>Title V Equipment Table</b> and provide it as <b>ATTACHMENT D</b> .
<b>26. Emission Units</b>
For each emission unit listed in the <b>Title V Equipment Table</b> , fill out and provide an <b>Emission Unit Form</b> as <b>ATTACHMENT E</b> .
For each emission unit not in compliance with an applicable requirement, fill out a <b>Schedule of Compliance Form</b> as <b>ATTACHMENT F</b> .
<b>27. Control Devices</b>
For each control device listed in the <b>Title V Equipment Table</b> , fill out and provide an <b>Air Pollution Control Device Form</b> as <b>ATTACHMENT G</b> .
For any control device that is required on an emission unit in order to meet a standard or limitation for which the potential pre-control device emissions of an applicable regulated air pollutant is greater than or equal to the Title V Major Source Threshold Level, refer to the <b>Compliance Assurance Monitoring (CAM) Form(s)</b> for CAM applicability. Fill out and provide these forms, if applicable, for each Pollutant Specific Emission Unit (PSEU) as <b>ATTACHMENT H</b> .

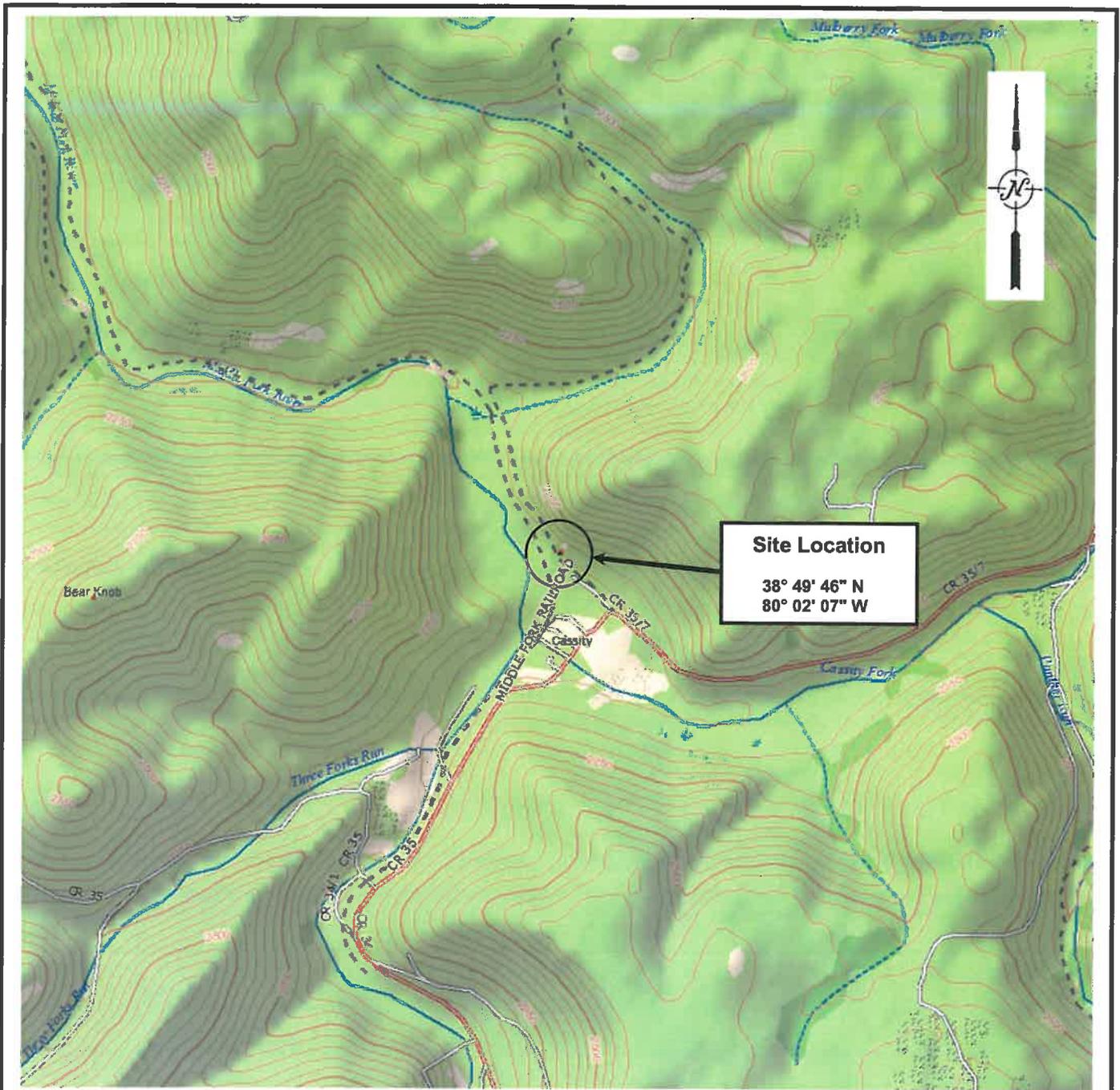
Section 6: Certification of Information

<b>28. Certification of Truth, Accuracy and Completeness and Certification of Compliance</b>	
<i>Note: This Certification must be signed by a responsible official. The original, signed in blue ink, must be submitted with the application. Applications without an original signed certification will be considered as incomplete.</i>	
<b>a. Certification of Truth, Accuracy and Completeness</b>	
<p>I certify that I am a responsible official (as defined at 45CSR§30-2.38) and am accordingly authorized to make this submission on behalf of the owners or operators of the source described in this document and its attachments. I certify under penalty of law that I have personally examined and am familiar with the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine and/or imprisonment.</p>	
<b>b. Compliance Certification</b>	
<p>Except for requirements identified in the Title V Application for which compliance is not achieved, I, the undersigned hereby certify that, based on information and belief formed after reasonable inquiry, all air contaminant sources identified in this application are in compliance with all applicable requirements.</p>	
<b>Responsible official (type or print)</b>	
Name: Joe Farris	Title: District Manager
<b>Responsible official's signature:</b>	
Signature: <u>Joe Farris</u>	Signature Date: <u>8-8-2016</u>
(Must be signed and dated in blue ink)	

<b>Note: Please check all applicable attachments included with this permit application:</b>	
<input checked="" type="checkbox"/>	ATTACHMENT A: Area Map
<input checked="" type="checkbox"/>	ATTACHMENT B: Plot Plan(s)
<input checked="" type="checkbox"/>	ATTACHMENT C: Process Flow Diagram(s)
<input checked="" type="checkbox"/>	ATTACHMENT D: Equipment Table
<input checked="" type="checkbox"/>	ATTACHMENT E: Emission Unit Form(s)
<input type="checkbox"/>	ATTACHMENT F: Schedule of Compliance Form(s)
<input type="checkbox"/>	ATTACHMENT G: Air Pollution Control Device Form(s)
<input type="checkbox"/>	ATTACHMENT H: Compliance Assurance Monitoring (CAM) Form(s)

All of the required forms and additional information can be found and downloaded from the DEP website at [www.dep.wv.gov/dag](http://www.dep.wv.gov/dag), requested by phone (304) 926-0475, and/or obtained through the mail.

**ATTACHMENT A**  
**Area Map**



Reference:  
 XMap® 6 © DeLorme,  
 Yarmouth, Me 04096  
 Source Data: Delorme  
 North America  
 Topographic Data 2011  
 USGS Quadrangle:  
 Cassity, WV

## Vicinity Map

Scale 1" = 2000'

*MSES Consultants, Inc.*  
 Clarksburg, West Virginia

**Energy Corporation of  
 America  
 Mabie Compressor Sta.  
 Cassity, WV**

**Title V Air Permit Renewal**

Project No. 16-291

**Figure 1**

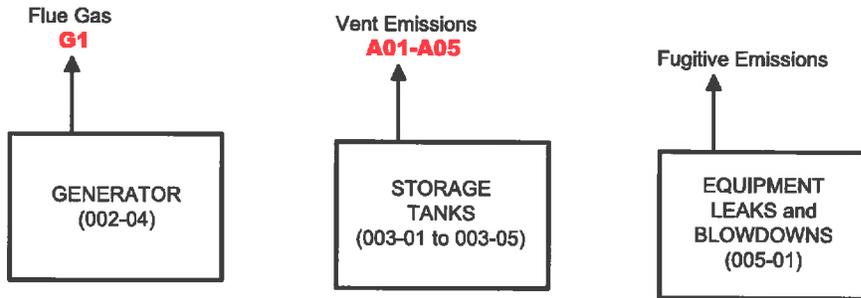
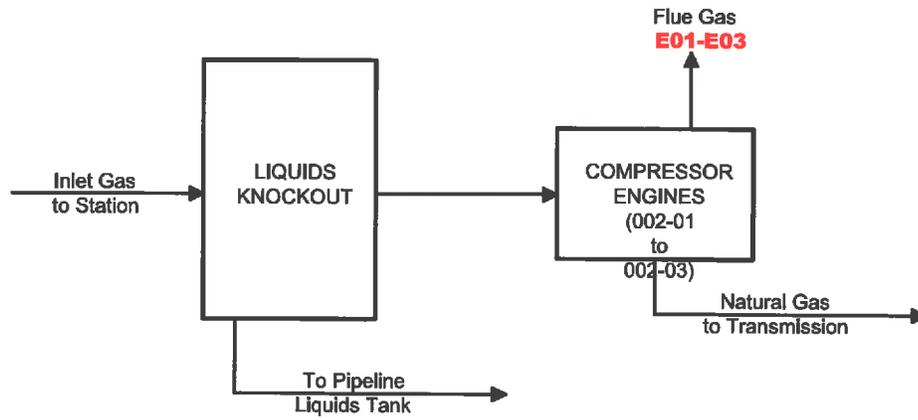
# **ATTACHMENT B**

## **Plot Plan(s)**



# **ATTACHMENT C**

## **Process Flow Diagram(s)**



**ENERGY CORPORATION OF AMERICA**

**MABIE COMPRESSOR STATION  
PROCESS FLOW DIAGRAM**

Drawn by	LFL	8/11
Engineer	LLS	8/11
Checked by	SARC/LLS	8/11
		Date

Scale: NONE

Prepared by *MSES consultants, inc.*

**FIGURE 1**

# **ATTACHMENT D**

## **Emission Units Table**



**ATTACHMENT E**  
**Emission Unit Form(s)**

**ATTACHMENT E - Emission Unit Form**

***Emission Unit Description***

**Emission unit ID number:**

E01

**Emission unit name:**

Engine # 1

**List any control devices associated with this emission unit:**

None

**Provide a description of the emission unit (type, method of operation, design parameters, etc.):**

Waukesha L3712G 250Hp 4SRB natural gas fired reciprocating internal combustion engine for compression of natural gas

**Manufacturer:**  
Waukesha

**Model number:**  
L-3712G

**Serial number:**

**Construction date:**  
MM/DD/YYYY

**Installation date:**  
01/01/1970

**Modification date(s):**  
MM/DD/YYYY

**Design Capacity (examples: furnaces - tons/hr, tanks - gallons):** 250 HP

**Maximum Hourly Throughput:**

**Maximum Annual Throughput:**

**Maximum Operating Schedule:**

***Fuel Usage Data (fill out all applicable fields)***

**Does this emission unit combust fuel?**  Yes  No

**If yes, is it?**

Indirect Fired  Direct Fired

**Maximum design heat input and/or maximum horsepower rating:**

250 HP

**Type and Btu/hr rating of burners:**

**List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.**

Natural gas

**Describe each fuel expected to be used during the term of the permit.**

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
Natural gas			1020

<b>Emissions Data</b>		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	9.86	43.18
Nitrogen Oxides (NO <sub>x</sub> )	5.86	25.65
Lead (Pb)		
Particulate Matter (PM <sub>2.5</sub> )	0.025	0.11
Particulate Matter (PM <sub>10</sub> )	0.025	0.11
Total Particulate Matter (TSP)	0.051	0.23
Sulfur Dioxide (SO <sub>2</sub> )	0.0016	0.01
Volatile Organic Compounds (VOC)	0.078	0.34
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Formaldehyde	0.054	0.24
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
Carbon Dioxide	292	1277
Methane	0.61	2.67
<p><b>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</b></p> <p>AP-42 Table 3.2-3 emission factors for all pollutants. Potential to emit assumes 8,760 hours of operations per year at design capacity.</p>		

**Applicable Requirements**

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

**40 CFR 63.6603(a) and Table 2d of Subpart ZZZZ** – Change oil and filter every 1,440 hours of operation or annually, whichever comes first; Inspect spark plugs every 1,440 hours of operation or annually, whichever comes first; Inspect all hoses and belts every 1,440 hours of operation or annually, whichever comes first, and replace as necessary. Sources have the option to utilize an oil analysis program in order to extend the specified oil change requirement.

**40 CFR 63.6605(a) and 63.6640** – Permittee shall maintain compliance with the emission limitations, operating limitations, and other requirements in this subpart that apply at all times.

**40 CFR 63.6645(a)(5)** – The permittee shall meet the applicable general provisions specified in Table 8 of 40 CFR 63, Subpart ZZZZ with the exception of 63.7(b) and (c), 63.8(e), (f)(4), and (f)(6), and 63.9(b)-(e), (g), and (h) which do not apply.

**40 CFR 63, Subpart ZZZZ, Table 6** – Operate and maintain the stationary RICE in according to the manufacturer’s emission-related operation and maintenance instructions; or Develop and follow your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

**45CSR30-12.7.c.** – May temporarily replace a failed engine in an emergency situation.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

**40 CFR 63.6625** – The permittee shall comply with the Monitoring, Installation, Collection, Operation and Maintenance Requirements of 40 CFR63.6625(e), (h), and (j)

**40 CFR 63.6655** – The permittee shall comply with the recordkeeping requirements of 40 CFR 63.6655(a), (b), (d), and (e).

**40 CFR 63.6640(b)** – The permittee shall report each instance in which they did not meet each operating limitation in 4.4.1. These instances are deviations from the operating limitations in the subpart. These deviations must be reported according to the requirements of 40 CFR 63.6650.

**40 CFR 63.6640(e)** – The permittee shall report each instance in which they did not meet the requirements in Table 8 of this subpart that applies.

**45 CSR30-12.7.c.** – Provide written notification within five (5) days.

Are you in compliance with all applicable requirements for this emission unit?  Yes  No

If no, complete the Schedule of Compliance Form as ATTACHMENT F.

## ATTACHMENT E - Emission Unit Form

**Emission Unit Description**

<b>Emission unit ID number:</b> E02	<b>Emission unit name:</b> Engine # 2	<b>List any control devices associated with this emission unit:</b> None
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**Provide a description of the emission unit (type, method of operation, design parameters, etc.):**  
Waukesha L3711G 250 Hp 4SRB natural gas fired reciprocating internal combustion engine for compression of natural gas

<b>Manufacturer:</b> Waukesha	<b>Model number:</b> L-3711G	<b>Serial number:</b>
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<b>Construction date:</b> MM/DD/YYYY	<b>Installation date:</b> 01/01/1970	<b>Modification date(s):</b> MM/DD/YYYY
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**Design Capacity (examples: furnaces - tons/hr, tanks - gallons):** 250 HP

<b>Maximum Hourly Throughput:</b>	<b>Maximum Annual Throughput:</b>	<b>Maximum Operating Schedule:</b>
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**Fuel Usage Data (fill out all applicable fields)**

<b>Does this emission unit combust fuel?</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<b>If yes, is it?</b> <input type="checkbox"/> Indirect Fired <input checked="" type="checkbox"/> Direct Fired
--	---

<b>Maximum design heat input and/or maximum horsepower rating:</b> 250 HP	<b>Type and Btu/hr rating of burners:</b>
--	---

**List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.**

Natural gas

**Describe each fuel expected to be used during the term of the permit.**

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
Natural gas			1020

<b>Emissions Data</b>		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	9.86	43.18
Nitrogen Oxides (NO <sub>x</sub> )	5.86	25.65
Lead (Pb)		
Particulate Matter (PM <sub>2.5</sub> )	0.025	0.11
Particulate Matter (PM <sub>10</sub> )	0.025	0.11
Total Particulate Matter (TSP)	0.051	0.23
Sulfur Dioxide (SO <sub>2</sub> )	0.0016	0.01
Volatile Organic Compounds (VOC)	0.078	0.34
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Formaldehyde	0.054	0.24
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
Carbon Dioxide	292	1277
Methane	0.61	2.67
<p><b>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</b></p> <p>AP-42 Table 3.2-3 emission factors for all pollutants. Potential to emit assumes 8,760 hours of operations per year at design capacity.</p>		

**Applicable Requirements**

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

40 CFR 63.6603(a) and Table 2d of Subpart ZZZZ – Change oil and filter every 1,440 hours of operation or annually, whichever comes first; Inspect spark plugs every 1,440 hours of operation or annually, whichever comes first; Inspect all hoses and belts every 1,440 hours of operation or annually, whichever comes first, and replace as necessary. Sources have the option to utilize an oil analysis program in order to extend the specified oil change requirement.

40 CFR 63.6605(a) and 63.6640 – Permittee shall maintain compliance with the emission limitations, operating limitations, and other requirements in this subpart that apply at all times.

40 CFR 63.6645(a)(5) – The permittee shall meet the applicable general provisions specified in Table 8 of 40 CFR 63, Subpart ZZZZ with the exception of 63.7(b) and (c), 63.8(e), (f)(4), and (f)(6), and 63.9(b)-(e), (g), and (h) which do not apply.

40 CFR 63, Subpart ZZZZ, Table 6 – Operate and maintain the stationary RICE in according to the manufacturer’s emission-related operation and maintenance instructions; ;or Develop and follow your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

45CSR30-12.7.c. – May temporarily replace a failed engine in an emergency situation.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

40 CFR 63.6625 – The permittee shall comply with the Monitoring, Installation, Collection, Operation and Maintenance Requirements of 40 CFR63.6625(e), (h), and (j)

40 CFR 63.6655 – The permittee shall comply with the recordkeeping requirements of 40 CFR 63.6655(a), (b), (d), and (e).

40 CFR 63.6640(b) – The permittee shall report each instance in which they did not meet each operating limitation in 4.4.1. These instances are deviations from the operating limitations in the subpart. These deviations must be reported according to the requirements of 40 CFR 63.6650.

40 CFR 63.6640(e) – The permittee shall report each instance in which they did not meet the requirements in Table 8 of this subpart that applies.

45 CSR30-12.7.c. – Provide written notification within five (5) days.

Are you in compliance with all applicable requirements for this emission unit?  Yes  No

If no, complete the Schedule of Compliance Form as ATTACHMENT F.

## ATTACHMENT E - Emission Unit Form

**Emission Unit Description**

<b>Emission unit ID number:</b> E03	<b>Emission unit name:</b> Engine # 3	<b>List any control devices associated with this emission unit:</b> None
--	--	---

**Provide a description of the emission unit (type, method of operation, design parameters, etc.):**  
White Superior 8G-825 600 Hp 4SRB natural gas fired reciprocating internal combustion engine for compression of natural gas

<b>Manufacturer:</b> White Superior	<b>Model number:</b> 8G-825	<b>Serial number:</b>
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<b>Construction date:</b> MM/DD/YYYY	<b>Installation date:</b> 01/01/1970	<b>Modification date(s):</b> MM/DD/YYYY
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**Design Capacity (examples: furnaces - tons/hr, tanks - gallons):** 600 HP

<b>Maximum Hourly Throughput:</b>	<b>Maximum Annual Throughput:</b>	<b>Maximum Operating Schedule:</b>
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**Fuel Usage Data (fill out all applicable fields)**

<b>Does this emission unit combust fuel?</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<b>If yes, is it?</b> <input type="checkbox"/> Indirect Fired <input checked="" type="checkbox"/> Direct Fired
--	---

<b>Maximum design heat input and/or maximum horsepower rating:</b> 600 HP	<b>Type and Btu/hr rating of burners:</b>
--	---

**List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.**

Natural gas

**Describe each fuel expected to be used during the term of the permit.**

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
Natural gas			1020

<i>Emissions Data</i>		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	23.66	103.63
Nitrogen Oxides (NO <sub>x</sub> )	14.06	61.56
Lead (Pb)		
Particulate Matter (PM <sub>2.5</sub> )	0.060	0.26
Particulate Matter (PM <sub>10</sub> )	0.060	0.26
Total Particulate Matter (TSP)	0.12	0.54
Sulfur Dioxide (SO <sub>2</sub> )	0.0037	0.03
Volatile Organic Compounds (VOC)	0.19	0.83
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Formaldehyde	0.13	0.57
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
Carbon Dioxide	700	3064
Methane	1.46	6.41
<p><b>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</b></p> <p>AP-42 Table 3.2-3 emission factors for all pollutants. Potential to emit assumes 8,760 hours of operations per year at design capacity.</p>		

**Applicable Requirements**

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit** with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

**40 CFR 63.6603(a) and Table 2d of Subpart ZZZZ** – Change oil and filter every 2,160 hours of operation or annually, whichever comes first; Inspect spark plugs every 2,160 hours of operation or annually, whichever comes first, and replace as necessary; and Inspect all hoses and belts every 2,160 hours of operation or annually, whichever comes first, and replace as necessary. Sources have the option to utilize an oil analysis program in order to extend the specified oil change requirement.

**40 CFR 63.6603(f)** – An existing non-emergency SI 4SLB and 4SRB stationary RICE with a site rating of more than 500 HP located at area sources of HAP must meet the definition of remote stationary RICE in 63.6675 on the initial compliance date for the engine, October 19, 2013, in order to be considered a remote stationary RICE under this subpart. Owners and operators...must evaluate the status of their stationary RICE every 12 months. Owners and operators must keep records of the initial and annual evaluation of the status of the engine.

**40 CFR 63.6605(a) and 63.6640**– You must be in compliance with the emission limitations, operating limitations, and other requirements in the subpart that apply to you at all times.

**40 CFR 63.6625(j)** – If you own or operate a stationary SI engine that is subject to the work, operation or management practices in...items 5, 6, 7, 9, or 11 of Table 2d to this subpart, you have the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2c and 2d of this subpart.

**40 CFR 63.6635** – The permittee shall comply with the continuous compliance requirements.

**40 CFR 63, Subpart ZZZZ Table 8** – The permittee shall meet the applicable general provisions specified.

**40 CFR 63, Subpart ZZZZ, Table 6** – Operate and maintain the stationary RICE according to the manufacturer’s emission-related operation and maintenance instructions; or Develop and follow your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

**45 CSR 30-12.7.c.** – May temporarily replace a failed engine in an emergency situation.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

**40 CFR 63.6625** – The permittee shall comply with the Monitoring, Installation, Collection, Operation and Maintenance Requirements of 40 C.F.R. 63.6625(a), (b), (h), and (k).

**40 CFR 63.6612, 63.6615, 63.6620, Table 3, Table 4, and Table 5** – The permittee shall comply with the testing requirements in 40 C.F.R. 63.6612, 63.6615, and 63.6620 and Tables 3, 4, and 5 to 40 C.F.R. Subpart ZZZZ.

**40 CFR 63.6655** – The permittee shall comply with recordkeeping requirements of 40 C.F.R. 63.6655(a), (b), and (d).

**40 CFR 63.6640(b)** – The permittee shall report each instance in which they did not meet each operating limitation in 4.1.1. These instances are deviations from the operating limitations in this subpart. These deviations must be reported according to the requirements of 40 C.F.R. 63.6650.

**40 CFR 63.6640(e)** – The permittee shall report each instance in which they did not meet the requirements in Table 8 of this subpart that applies.

**40 CFR 63.6645** – The permittee shall comply with the notification requirements in 40 C.F.R. 63.6645.

**40 CFR 63.6650** – The permittee shall comply with the reporting requirements in 40 C.F.R. 63.6650(a), (b), (c), (d), (e), and (f).

**45 CSR30-12.7.c.** - Provide written notification within five (5) days.

Are you in compliance with all applicable requirements for this emission unit?  Yes  No

If no, complete the Schedule of Compliance Form as ATTACHMENT F.

## ATTACHMENT E - Emission Unit Form

***Emission Unit Description***

<b>Emission unit ID number:</b> G1	<b>Emission unit name:</b> Generator Engine	<b>List any control devices associated with this emission unit:</b> None
---------------------------------------	--	---

**Provide a description of the emission unit (type, method of operation, design parameters, etc.):**  
Onan 12.5JC-3R31 30.2 Hp 4SRB natural gas fired reciprocating internal combustion engine for power generation.

<b>Manufacturer:</b> Onan	<b>Model number:</b> 12.5JC-3R3.1	<b>Serial number:</b>
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<b>Construction date:</b> MM/DD/YYYY	<b>Installation date:</b> 01/01/1970	<b>Modification date(s):</b> MM/DD/YYYY
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**Design Capacity (examples: furnaces - tons/hr, tanks - gallons):** 30.2 HP

<b>Maximum Hourly Throughput:</b>	<b>Maximum Annual Throughput:</b>	<b>Maximum Operating Schedule:</b> 8,760 hr/year
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***Fuel Usage Data (fill out all applicable fields)***

<b>Does this emission unit combust fuel?</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<b>If yes, is it?</b> <input type="checkbox"/> Indirect Fired <input checked="" type="checkbox"/> Direct Fired
--	---

<b>Maximum design heat input and/or maximum horsepower rating:</b> 30.2 HP	<b>Type and Btu/hr rating of burners:</b>
---	---

**List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.**

Natural gas

**Describe each fuel expected to be used during the term of the permit.**

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
Natural gas			1020

***Emissions Data***

Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	1.19	5.22
Nitrogen Oxides (NO <sub>x</sub> )	0.71	3.10
Lead (Pb)		
Particulate Matter (PM <sub>2.5</sub> )	0.0030	0.013
Particulate Matter (PM <sub>10</sub> )	0.0030	0.013
Total Particulate Matter (TSP)	0.0062	0.027
Sulfur Dioxide (SO <sub>2</sub> )	0.00019	0.001
Volatile Organic Compounds (VOC)	0.0095	0.042
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Formaldehyde	0.0066	0.029
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
Carbon Dioxide	35.21	154.2
Methane	0.074	0.32
<p><b>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</b></p> <p>AP-42 Table 3.2-3 emission factors for all pollutants. Potential to emit assumes 8,760 hours of operations per year at design capacity.</p>		

**Applicable Requirements**

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

40 CFR 63.6603(a) and Table 2d of Subpart ZZZZ – Change oil and filter every 1,440 hours of operation or annually, whichever comes first; Inspect spark plugs every 1,440 hours of operation or annually, whichever comes first; Inspect all hoses and belts every 1,440 hours of operation or annually, whichever comes first, and replace as necessary. Sources have the option to utilize an oil analysis program in order to extend the specified oil change requirement.

40 CFR 63.6605(a) and 63.6640 – Permittee shall maintain compliance with the emission limitations, operating limitations, and other requirements in this subpart that apply at all times.

40 CFR 63.6645(a)(5) – The permittee shall meet the applicable general provisions specified in Table 8 of 40 CFR 63, Subpart ZZZZ with the exception of 63.7(b) and (c), 63.8(e), (f)(4), and (f)(6), and 63.9(b)-(e), (g), and (h) which do not apply.

40 CFR 63, Subpart ZZZZ, Table 6 – Operate and maintain the stationary RICE in according to the manufacturer’s emission-related operation and maintenance instructions; or Develop and follow your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

45CSR30-12.7.c. – May temporarily replace a failed engine in an emergency situation.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

40 CFR 63.6625 – The permittee shall comply with the Monitoring, Installation, Collection, Operation and Maintenance Requirements of 40 CFR63.6625(e), (h), and (j)

40 CFR 63.6655 – The permittee shall comply with the recordkeeping requirements of 40 CFR 63.6655(a), (b), (d), and (e).

40 CFR 63.6640(b) – The permittee shall report each instance in which they did not meet each operating limitation in 4.4.1. These instances are deviations from the operating limitations in the subpart. These deviations must be reported according to the requirements of 40 CFR 63.6650.

40 CFR 63.6640(e) – The permittee shall report each instance in which they did not meet the requirements in Table 8 of this subpart that applies.

45 CSR30-12.7.c. – Provide written notification within five (5) days.

Are you in compliance with all applicable requirements for this emission unit?  Yes  No

If no, complete the Schedule of Compliance Form as ATTACHMENT F.

## ATTACHMENT E - Emission Unit Form

***Emission Unit Description***

<b>Emission unit ID number:</b> A01	<b>Emission unit name:</b> Methanol Tank	<b>List any control devices associated with this emission unit:</b> None
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**Provide a description of the emission unit (type, method of operation, design parameters, etc.):**

Above ground horizontal methanol tank.

<b>Manufacturer:</b> NA	<b>Model number:</b> NA	<b>Serial number:</b>
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<b>Construction date:</b> MM/DD/YYYY	<b>Installation date:</b> 01/01/1987	<b>Modification date(s):</b> MM/DD/YYYY
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**Design Capacity (examples: furnaces - tons/hr, tanks - gallons):** 250 gallons

<b>Maximum Hourly Throughput:</b> 250 gallons	<b>Maximum Annual Throughput:</b> 500 gallons	<b>Maximum Operating Schedule:</b> 8,760 hr/year
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***Fuel Usage Data (fill out all applicable fields)***

<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<b>If yes, is it?</b> <input type="checkbox"/> Indirect Fired <input type="checkbox"/> Direct Fired
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<b>Maximum design heat input and/or maximum horsepower rating:</b> NA	<b>Type and Btu/hr rating of burners:</b>
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**List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.**

**Describe each fuel expected to be used during the term of the permit.**

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
NA			

<b>Emissions Data</b>		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO <sub>x</sub> )		
Lead (Pb)		
Particulate Matter (PM <sub>2.5</sub> )		
Particulate Matter (PM <sub>10</sub> )		
Total Particulate Matter (TSP)		
Sulfur Dioxide (SO <sub>2</sub> )		
Volatile Organic Compounds (VOC)	0.20	0.003
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Methanol	0.20	0.003
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

**List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).**

EPA Tanks Equations Procedures.  
Potential to emit assumes one (1) turnover per hour and two (2) turnovers per year.

**Applicable Requirements**

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit?  Yes  No

If no, complete the Schedule of Compliance Form as ATTACHMENT F.

## ATTACHMENT E - Emission Unit Form

**Emission Unit Description**

**Emission unit ID number:**

A02

**Emission unit name:**

Lube Oil Tank

**List any control devices associated with this emission unit:**

None

**Provide a description of the emission unit (type, method of operation, design parameters, etc.):**

Above ground horizontal lube oil tank.

**Manufacturer:**

NA

**Model number:**

NA

**Serial number:**

**Construction date:**

MM/DD/YYYY

**Installation date:**

01/01/1989

**Modification date(s):**

MM/DD/YYYY

**Design Capacity (examples: furnaces - tons/hr, tanks - gallons):** 2,000 gallons

**Maximum Hourly Throughput:**

2,000 gallons

**Maximum Annual Throughput:**

3,000 gallons

**Maximum Operating Schedule:**

8,760 hr/year

**Fuel Usage Data (fill out all applicable fields)**

**Does this emission unit combust fuel?**  Yes  No

**If yes, is it?**

Indirect Fired  Direct Fired

**Maximum design heat input and/or maximum horsepower rating:**

NA

**Type and Btu/hr rating of burners:**

**List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.**

NA

**Describe each fuel expected to be used during the term of the permit.**

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
NA			

**Emissions Data**

Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO <sub>x</sub> )		
Lead (Pb)		
Particulate Matter (PM <sub>2.5</sub> )		
Particulate Matter (PM <sub>10</sub> )		
Total Particulate Matter (TSP)		
Sulfur Dioxide (SO <sub>2</sub> )		
Volatile Organic Compounds (VOC)	0.0000	0.0000
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

EPA Tanks Equations Procedures.  
Potential to emit assumes one (1) turnover per hour and 1.5 turnovers per year.

**Applicable Requirements**

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit?  Yes  No

If no, complete the Schedule of Compliance Form as ATTACHMENT F.

**ATTACHMENT E - Emission Unit Form**

***Emission Unit Description***

**Emission unit ID number:**

A03

**Emission unit name:**

Water Mixture Tank

**List any control devices associated with this emission unit:**

None

**Provide a description of the emission unit (type, method of operation, design parameters, etc.):**  
Above ground horizontal glycol mixture tank.

**Manufacturer:**

NA

**Model number:**

NA

**Serial number:**

**Construction date:**

MM/DD/YYYY

**Installation date:**

01/01/1970

**Modification date(s):**

MM/DD/YYYY

**Design Capacity (examples: furnaces - tons/hr, tanks - gallons):** 100 gallons

**Maximum Hourly Throughput:**

100 gallons

**Maximum Annual Throughput:**

100 gallons

**Maximum Operating Schedule:**

8,760 hr/year

***Fuel Usage Data (fill out all applicable fields)***

**Does this emission unit combust fuel?** \_\_\_ Yes  X  No

**If yes, is it?**

\_\_\_ Indirect Fired \_\_\_ Direct Fired

**Maximum design heat input and/or maximum horsepower rating:**

NA

**Type and Btu/hr rating of burners:**

**List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.**

NA

**Describe each fuel expected to be used during the term of the permit.**

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
NA			

***Emissions Data***

Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO <sub>x</sub> )		
Lead (Pb)		
Particulate Matter (PM <sub>2.5</sub> )		
Particulate Matter (PM <sub>10</sub> )		
Total Particulate Matter (TSP)		
Sulfur Dioxide (SO <sub>2</sub> )		
Volatile Organic Compounds (VOC)	0.0001	0.0000
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Ethylene Glycol	0.0001	0.0000
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

**List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).**

EPA Tanks Equations Procedures.

Potential to emit assumes one (1) turnover per hour and one (1) turnover per year.

**Applicable Requirements**

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit?  Yes  No

If no, complete the Schedule of Compliance Form as ATTACHMENT F.

**ATTACHMENT E - Emission Unit Form**

**Emission Unit Description**

<b>Emission unit ID number:</b> A04	<b>Emission unit name:</b> Pipeline Liquids Tank	<b>List any control devices associated with this emission unit:</b> None
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**Provide a description of the emission unit (type, method of operation, design parameters, etc.):**  
Above ground horizontal pipeline liquids tank. Replaced the 1,000 gallon below ground pipeline liquids tank (B01).

<b>Manufacturer:</b> NA	<b>Model number:</b> NA	<b>Serial number:</b>
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<b>Construction date:</b> MM/DD/YYYY	<b>Installation date:</b> 07/01/2006	<b>Modification date(s):</b> MM/DD/YYYY
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**Design Capacity (examples: furnaces - tons/hr, tanks - gallons):** 100 gallons

<b>Maximum Hourly Throughput:</b> 100 gallons	<b>Maximum Annual Throughput:</b> 100 gallons	<b>Maximum Operating Schedule:</b> 8,760 hr/year
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**Fuel Usage Data (fill out all applicable fields)**

<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<b>If yes, is it?</b> <input type="checkbox"/> Indirect Fired <input type="checkbox"/> Direct Fired
--	--

<b>Maximum design heat input and/or maximum horsepower rating:</b> NA	<b>Type and Btu/hr rating of burners:</b>
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**List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.**

NA

**Describe each fuel expected to be used during the term of the permit.**

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
NA			

<i>Emissions Data</i>		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO <sub>x</sub> )		
Lead (Pb)		
Particulate Matter (PM <sub>2.5</sub> )		
Particulate Matter (PM <sub>10</sub> )		
Total Particulate Matter (TSP)		
Sulfur Dioxide (SO <sub>2</sub> )		
Volatile Organic Compounds (VOC)	0.90	0.0004
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

**List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).**

EPA Tanks Equations Procedures.  
Potential to emit assumes entire tank volume per hour and one (1) turnover per year.

**Applicable Requirements**

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit?  Yes  No

If no, complete the Schedule of Compliance Form as ATTACHMENT F.

## ATTACHMENT E - Emission Unit Form

**Emission Unit Description**

<b>Emission unit ID number:</b> A05	<b>Emission unit name:</b> Used Oil Tank	<b>List any control devices associated with this emission unit:</b> None
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**Provide a description of the emission unit (type, method of operation, design parameters, etc.):**  
Above ground 630 gallon tank. Replaced the 350 gallon below ground used oil tank (B03).

<b>Manufacturer:</b> NA	<b>Model number:</b> NA	<b>Serial number:</b>
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<b>Construction date:</b> MM/DD/YYYY	<b>Installation date:</b> 09/01/2010	<b>Modification date(s):</b> MM/DD/YYYY
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**Design Capacity (examples: furnaces - tons/hr, tanks - gallons):** 630 gallons

<b>Maximum Hourly Throughput:</b> 630 gallons	<b>Maximum Annual Throughput:</b> 630 gallons	<b>Maximum Operating Schedule:</b> 8,760 hr/year
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**Fuel Usage Data (fill out all applicable fields)**

<b>Does this emission unit combust fuel?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<b>If yes, is it?</b> <input type="checkbox"/> Indirect Fired <input type="checkbox"/> Direct Fired
--	--

<b>Maximum design heat input and/or maximum horsepower rating:</b> NA	<b>Type and Btu/hr rating of burners:</b>
--	---

**List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.**

NA

**Describe each fuel expected to be used during the term of the permit.**

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
NA			

**Emissions Data**

Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO <sub>x</sub> )		
Lead (Pb)		
Particulate Matter (PM <sub>2.5</sub> )		
Particulate Matter (PM <sub>10</sub> )		
Total Particulate Matter (TSP)		
Sulfur Dioxide (SO <sub>2</sub> )		
Volatile Organic Compounds (VOC)	0.0000	0.0000
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

**List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).**

EPA Tanks Equations Procedures.

Potential to emit assumes one (1) turnover per hour and one (1) turnover per year.

**Applicable Requirements**

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit?  Yes  No

If no, complete the Schedule of Compliance Form as ATTACHMENT F.

## ATTACHMENT E - Emission Unit Form

**Emission Unit Description**

<b>Emission unit ID number:</b> FUG	<b>Emission unit name:</b> Fugitive Emissions	<b>List any control devices associated with this emission unit:</b> None
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**Provide a description of the emission unit (type, method of operation, design parameters, etc.):**

VOC emissions from blowdowns and equipment leaks

<b>Manufacturer:</b> NA	<b>Model number:</b> NA	<b>Serial number:</b>
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<b>Construction date:</b> MM/DD/YYYY	<b>Installation date:</b> 01/01/1970	<b>Modification date(s):</b> MM/DD/YYYY
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**Design Capacity (examples: furnaces - tons/hr, tanks - gallons):** NA

<b>Maximum Hourly Throughput:</b> NA	<b>Maximum Annual Throughput:</b> NA	<b>Maximum Operating Schedule:</b> 8,760 hr/year
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**Fuel Usage Data (fill out all applicable fields)**

<b>Does this emission unit combust fuel?</b> ___ Yes <u> X </u> No	<b>If yes, is it?</b> ___ Indirect Fired ___ Direct Fired
--	--

<b>Maximum design heat input and/or maximum horsepower rating:</b> NA	<b>Type and Btu/hr rating of burners:</b>
--	---

**List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.**

NA

**Describe each fuel expected to be used during the term of the permit.**

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
NA			

<b>Emissions Data</b>		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)		
Nitrogen Oxides (NO <sub>x</sub> )		
Lead (Pb)		
Particulate Matter (PM <sub>2.5</sub> )		
Particulate Matter (PM <sub>10</sub> )		
Total Particulate Matter (TSP)		
Sulfur Dioxide (SO <sub>2</sub> )		
Volatile Organic Compounds (VOC)	0.4002	1.751
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
Methane	12.93	56.61
<p><b>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</b></p> <p>EPA Fugitive Estimation Procedures.</p>		

**Applicable Requirements**

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit?  Yes  No

If no, complete the Schedule of Compliance Form as ATTACHMENT F.

**CD**