MINNESOTA POLLUTION CONTROL AGENCY

Draft
Air Individual Permit
Part 70 Reissuance
06900015-101

Permittee:	**Viking Gas Transmission - Humboldt**
Co-permittee name:	**ONEOK Partners LP**
Facility name:	**Viking Gas Transmission - Humboldt** 1805 360th Street Humboldt, MN 56731 Kittson County

Expiration date: [five years after issuance]
* All Title I Conditions do not expire

Part 70 Reissuance: [Issue Date]

Permit characteristics: Federal; Part 70/ Major for NSR

The emission units, control equipment and emission stacks at the stationary source authorized in this permit reissue are as described in the Permit Applications Table.

This permit reissue supersedes Air Emission Permit No. 06900015- 005 and authorizes the Permittee to operate the stationary source at the address listed above unless otherwise noted in the permit. The Permittee must comply with all the conditions of the permit. Any changes or modifications to the stationary source must be performed in compliance with Minn. R. 7007.1150 to 7007.1500. Terms used in the permit are as defined in the state air pollution control rules unless the term is explicitly defined in the permit.

Unless otherwise indicated, all the Minnesota rules cited as the origin of the permit terms are incorporated into the SIP under 40 CFR § 52.1220 and as such are enforceable by the U.S. Environmental Protection Agency (EPA) Administrator or citizens under the Clean Air Act.

Signature: [ ]

This document has been electronically signed.

For Don Smith, P.E., Manager
Air Quality Permits Section
Industrial Division

for the Minnesota Pollution Control Agency

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1. Permit applications table

Subsequent permit applications:

Title description	Application receipt date	Action number
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2. Where to send submittals

Send submittals that are required to be submitted to the EPA regional office to:

Chief Air Enforcement
Air and Radiation Branch
EPA Region V
77 West Jackson Boulevard
Chicago, Illinois 60604

Each submittal must be postmarked or received by the date specified in the applicable Table. Those submittals required by Minn. R. 7007.0100 to 7007.1850 must be certified by a responsible official, defined in Minn. R. 7007.0100, subp. 21. Other submittals shall be certified as appropriate if certification is required by an applicable rule or permit condition.

Send submittals that are required by the Acid Rain Program to:

U.S. Environmental Protection Agency
Clean Air Markets Division
1200 Pennsylvania Avenue NW (6204N)
Washington, D.C. 20460

Send any application for a permit or permit amendment to:

Fiscal Services – 6th Floor
Minnesota Pollution Control Agency
520 Lafayette Road North
St. Paul, Minnesota 55155-4194

Also, where required by an applicable rule or permit condition, send to the Permit Document Coordinator notices of:

a. Accumulated insignificant activities
b. Installation of control equipment
c. Replacement of an emissions unit, and
d. Changes that contravene a permit term

Unless another person is identified in the applicable Table, send all other submittals to:

AQ Compliance Tracking Coordinator
Industrial Division
Minnesota Pollution Control Agency
520 Lafayette Road North
St. Paul, Minnesota 55155-4194

Or

Email a signed and scanned PDF copy to:
submitstacktest.pca@state.mn.us
(for submittals related to stack testing)
AQRoutineReport.PCA@state.mn.us
(for other compliance submittals)
(See complete email instructions in "Routine Air Report Instructions Letter" at http://www.pca.state.mn.us/nwqh472.)

3. Facility description

The Viking Gas Transmission - Humboldt (Facility) is located at 1805 360th Street in Humboldt, Kittson County, Minnesota.

The Humboldt facility is a natural gas compressor station consisting of one water jacket heater (EQUI 1), five 1,700-hp 2-stroke lean burn reciprocating internal combustion compressor engines (EQUI 2, EQUI 3, EQUI 4, EQUI 5 and EQUI 6), and one 4-stroke rich burn reciprocating internal combustion engine emergency generator (EQUI 7). All units combust only natural gas obtained from the pipeline. The compressors pressurize the natural gas in the pipeline causing it to flow to the next compressor station. The water jacket heater is used to warm up the lubricant and condition other engine fluids before the other compressor engines are started.

This facility is located on a natural gas transmission pipeline with compressor stations located in Minnesota from north to south, at Humboldt, Angus, Ada, Frazee, Cushing, and Milaca.

4. Summary of subject items

SI ID: Description	Relationship Type	Related SI ID: Description
TFAC 1: Viking Gas Transmission - Humboldt		
ACTV 1: All IAs		
EQUI 1: Water Jacket Heater	sends to	STRU 7
EQUI 2: Reciprocating Engine #1A (Clark 1700 hp 2SLB)	sends to	STRU 1
EQUI 3: Reciprocating Engine #2A (Clark 1700 hp 2SLB)	sends to	STRU 2
EQUI 4: Reciprocating Engine #3A (Clark 1700 hp 2SLB)	sends to	STRU 3
EQUI 5: Reciprocating Engine #4A (Clark 1700 hp 2SLB)	sends to	STRU 4

SI ID: Description	Relationship Type	Related SI ID: Description
EQUI 6: Reciprocating Engine #5A (Clark 1700 hp 2SLB)	sends to	STRU 5
EQUI 7: Reciprocating Engine-Emergency Generator (4SRB)	sends to	STRU 6
STRU 1:		
STRU 2:		
STRU 3:		
STRU 4:		
STRU 5:		
STRU 6:		
STRU 7:		
STRU 8: Compressor Building/Office		
STRU 9: Garage/Shop		
STRU 10: Utility/Storage		

5. Limits and other requirements

Subject Item	Sec.SI.Reqt	SI des:SI desc	Requirement & Citation
TFAC 1	06900015	Viking Gas Transmission - Humboldt	
	5.1.1		Permit Appendices: This permit contains appendices as listed in the permit Table of Contents. The Permittee shall comply with all requirements contained in Appendix A (Insignificant Activities and Applicable Requirements). Modeling parameters in Appendix B are included for reference only as described elsewhere in this permit. [Minn. R. 7007.0800, subp. 2]
	5.1.2		PERMIT SHIELD: Subject to the limitations in Minn. R. 7007.1800, compliance with the conditions of this permit shall be deemed compliance with the specific provision of the applicable requirement identified in the permit as the basis of each condition. Subject to the limitations of Minn. R. 7007.1800 and 7017.0100, subp. 2, notwithstanding the conditions of this permit specifying compliance practices for applicable requirements, any person (including the Permittee) may also use other credible evidence to establish compliance or noncompliance with applicable requirements. This permit shall not alter or affect the liability of the Permittee for any violation of applicable requirements prior to or at the time of permit issuance. [Minn. R. 7007.1800, (A)(2)]
	5.1.3		These requirements apply if a reasonable possibility (RP) as defined in 40 CFR Section 52.21(r)(6)(vi) exists that a proposed project, analyzed using the actual-to-projected-actual (ATPA) test (either by itself or as part of the hybrid test at Section 52.21(a)(2)(iv)(f)) and found to not be part of a major modification, may result in a significant emissions increase (SEI). If the ATPA test is not used for the project, or if there is no RP that the proposed project could result in a SEI, these requirements do not apply to that project. The Permittee is only subject to the Preconstruction Documentation requirement for a project where a RP occurs only within the meaning of Section 52.21(r)(6)(vi)(b). Even though a particular modification is not subject to New Source Review (NSR), or where there isn't a RP that a proposed project could result in a SEI, a permit amendment, recordkeeping, or notification may still be required by Minn. R. 7007.1150 - 7007.1500. [Minn. R. 7007.0800, subp. 2, Title I Condition: 40 CFR 52.21(r)(6) and Minn. R. 7007.3000]
	5.1.4		Preconstruction Documentation -- Before beginning actual construction on a project, the Permittee shall document the following: 1. Project description 2. Identification of any emission unit whose emissions of an NSR pollutant could be affected

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			3. Pre-change potential emissions of any affected existing emission unit, and the projected post-change potential emissions of any affected existing or new emission unit. 4. A description of the applicability test used to determine that the project is not a major modification for any regulated NSR pollutant, including the baseline actual emissions, the projected actual emissions, the amount of emissions excluded due to increases not associated with the modification and that the emission unit could have accommodated during the baseline period, an explanation of why the amounts were excluded, and any creditable contemporaneous increases and decreases that were considered in the determination. The Permittee shall maintain records of this documentation. [Minn. R. 7007.0800, subps. 4-5, Minn. R. 7007.1200, subp. 4, Title I Condition: 40 CFR 52.21(r)(6) and Minn. R. 7007.3000]
	5.1.5		The Permittee shall monitor the actual emissions of any regulated NSR pollutant that could increase as a result of the project and that were analyzed using the ATPA test, and the potential emissions of any regulated NSR pollutant that could increase as a result of the project and that were analyzed using potential emissions in the hybrid test. The Permittee shall calculate and maintain a record of the sum of the actual and potential (if the hybrid test was used in the analysis) emissions of the regulated pollutant, in tons per year on a calendar year basis, for a period of 5 years following resumption of regular operations after the change, or for a period of 10 years following resumption of regular operations after the change if the project increases the design capacity of or potential to emit of any unit associated with the project. [Minn. R. 7007.0800, subps. 4-5, Title I Condition: 40 CFR 52.21(r)(6) and Minn. R. 7007.3000]
	5.1.6		The Permittee must submit a report to the Agency if the annual summed (actual, plus potential if used in hybrid test) emissions differ from the preconstruction projection and exceed the baseline actual emissions by a significant amount as listed at 40 CFR Section 52.21(b)(23). Such report shall be submitted to the Agency within 60 days after the end of the year in which the exceedances occur. The report shall contain: a. The name and ID number of the Facility, and the name and telephone number of the Facility contact person. b. The annual emissions (actual, plus potential if any part of the project was analyzed using the hybrid test) for each pollutant for which the preconstruction projection and significant emissions increase are exceeded c. Any other information, such as an explanation as to why the summed emissions differ from the preconstruction projection. [Minn. R. 7007.0800, subps. 4-5, Title I Condition: 40 CFR 52.21(r)(6) and Minn. R. 7007.3000]
	5.1.7		The Permittee shall comply with National Primary and Secondary Ambient Air Quality Standards, 40 CFR pt. 50, and the Minnesota Ambient Air Quality Standards, Minn. R. 7009.0010 to 7009.0090.

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			Compliance shall be demonstrated upon written request by the MPCA. [Minn. R. 7007.0100, subp. 7(A), 7(L), & 7(M), Minn. R. 7007.0800, subp. 4, Minn. R. 7007.0800, subps. 1-2, Minn. R. 7009.0010-7009.0090, Minn. Stat. 116.07, subd. 4a, Minn. Stat. 116.07, subd. 9]
	5.1.8		Modeled Parameters for PM10: The parameters used in PM10 modeling for permit number 06900015-101 are listed in Appendix B of this permit. The parameters describe the operation of the facility at maximum permitted capacity. The purpose of listing the parameters in the appendix is to provide a benchmark for future changes. [Minn. R. 7007.0100, subp. 7(A), 7(L), & 7(M), Minn. R. 7007.0800, subp. 4, Minn. R. 7007.0800, subps. 1-2, Minn. R. 7009.0010-7009.0090, Minn. Stat. 116.07, subd. 4a, Minn. Stat. 116.07, subd. 9]
	5.1.9		Circumvention: Do not install or use a device or means that conceals or dilutes emissions, which would otherwise violate a federal or state air pollution control rule, without reducing the total amount of pollutant emitted. [Minn. R. 7011.0020]
	5.1.10		Air Pollution Control Equipment: Operate all pollution control equipment whenever the corresponding process equipment and emission units are operated. [Minn. R. 7007.0800, subp. 16(J), Minn. R. 7007.0800, subp. 2]
	5.1.11		Operation and Maintenance Plan: Retain at the stationary source an operation and maintenance plan for all air pollution control equipment. At a minimum, the O & M plan shall identify all air pollution control equipment and control practices and shall include a preventative maintenance program for the equipment and practices, a description of (the minimum but not necessarily the only) corrective actions to be taken to restore the equipment and practices to proper operation to meet applicable permit conditions, a description of the employee training program for proper operation and maintenance of the control equipment and practices, and the records kept to demonstrate plan implementation. [Minn. R. 7007.0800, subp. 14, Minn. R. 7007.0800, subp. 16(J)]
	5.1.12		Operation Changes: In any shutdown, breakdown, or deviation the Permittee shall immediately take all practical steps to modify operations to reduce the emission of any regulated air pollutant. The Commissioner may require feasible and practical modifications in the operation to reduce emissions of air pollutants. No emissions units that have an unreasonable shutdown or breakdown frequency of process or control equipment shall be permitted to operate. [Minn. R. 7019.1000, subp. 4]
	5.1.13		Fugitive Emissions: Do not cause or permit the handling, use, transporting, or storage of any material in a manner which may allow avoidable amounts of particulate matter to become airborne. Comply with all other requirements listed in Minn. R. 7011.0150. [Minn. R. 7011.0150]
	5.1.14		Noise: The Permittee shall comply with the noise standards set forth in Minn. R. 7030.0010 to 7030.0080 at all times during the operation of any emission units. This is a state only requirement

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			and is not enforceable by the EPA Administrator or citizens under the Clean Air Act. [Minn. R. 7030.0010-7030.0080]
	5.1.15		Inspections: The Permittee shall comply with the inspection procedures and requirements as found in Minn. R. 7007.0800, subp. 9(A). [Minn. R. 7007.0800, subp. 9(A)]
	5.1.16		The Permittee shall comply with the General Conditions listed in Minn. R. 7007.0800, subp. 16. [Minn. R. 7007.0800, subp. 16]
	5.1.17		Performance Testing: Conduct all performance tests in accordance with Minn. R. ch. 7017 unless otherwise noted in this permit. [Minn. R. ch. 7017]
	5.1.18		Performance Test Notifications and Submittals: Performance Test Notification and Plan: due 30 days before each Performance Test Performance Test Pre-test Meeting: due 7 days before each Performance Test Performance Test Report: due 45 days after each Performance Test The Notification, Test Plan, and Test Report must be submitted in a format specified by the commissioner. [Minn. R. 7017.2017, Minn. R. 7017.2030, subps. 1-4, Minn. R. 7017.2035, subps. 1-2]
	5.1.19		Limits set as a result of a performance test (conducted before or after permit issuance) apply until superseded as stated in the MPCA's Notice of Compliance letter granting preliminary approval. Preliminary approval is based on formal review of a subsequent performance test on the same unit as specified by Minn. R. 7017.2025, subp. 3. The limit is final upon issuance of a permit amendment incorporating the change. [Minn. R. 7017.2025, subp. 3]
	5.1.20		Monitoring Equipment Calibration - The Permittee shall either: 1. Calibrate or replace required monitoring equipment every 12 months; or 2. Calibrate at the frequency stated in the manufacturer's specifications. For each monitor, the Permittee shall maintain a record of all calibrations, including the date conducted, and any corrective action that resulted. The Permittee shall include the calibration frequencies, procedures, and manufacturer's specifications (if applicable) in the Operations and Maintenance Plan. Any requirements applying to continuous emission monitors are listed separately in this permit. [Minn. R. 7007.0800, subp. 4(D)]
	5.1.21		Operation of Monitoring Equipment: Unless noted elsewhere in this permit, monitoring a process or control equipment connected to that process is not necessary during periods when the process is shutdown, or during checks of the monitoring systems, such as calibration checks and zero and span adjustments. If monitoring records are required, they should reflect any such periods of process shutdown or checks of the monitoring system. [Minn. R. 7007.0800, subp. 4(D)]
	5.1.22		Recordkeeping: Retain all records at the stationary source, unless

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			otherwise specified within this permit, for a period of five (5) years from the date of monitoring, sample, measurement, or report. Records which must be retained at this location include all calibration and maintenance records, all original recordings for continuous monitoring instrumentation, and copies of all reports required by the permit. Records must conform to the requirements listed in Minn. R. 7007.0800, subp. 5(A). [Minn. R. 7007.0800, subp. 5(C)]
	5.1.23		Recordkeeping: Maintain records describing any insignificant modifications (as required by Minn. R. 7007.1250, subp. 3) or changes contravening permit terms (as required by Minn. R. 7007.1350, subp. 2), including records of the emissions resulting from those changes. [Minn. R. 7007.0800, subp. 5(B)]
	5.1.24		If the Permittee determines that no permit amendment or notification is required prior to making a change, the Permittee must retain records of all calculations required under Minn. R. 7007.1200. For expiring permits, these records shall be kept for a period of five years from the date the change was made or until permit reissuance, whichever is longer. The records shall be kept at the stationary source for the current calendar year of operation and may be kept at the stationary source or office of the stationary source for all other years. The records may be maintained in either electronic or paper format. [Minn. R. 7007.1200, subp. 4]
	5.1.25		Shutdown Notifications: Notify the Commissioner at least 24 hours in advance of a planned shutdown of any control equipment or process equipment if the shutdown would cause any increase in the emissions of any regulated air pollutant. If the owner or operator does not have advance knowledge of the shutdown, notification shall be made to the Commissioner as soon as possible after the shutdown. However, notification is not required in the circumstances outlined in Items A, B and C of Minn. R. 7019.1000, subp. 3. At the time of notification, the owner or operator shall inform the Commissioner of the cause of the shutdown and the estimated duration. The owner or operator shall notify the Commissioner when the shutdown is over. [Minn. R. 7019.1000, subp. 3]
	5.1.26		Breakdown Notifications: Notify the Commissioner within 24 hours of a breakdown of more than one hour duration of any control equipment or process equipment if the breakdown causes any increase in the emissions of any regulated air pollutant. The 24-hour time period starts when the breakdown was discovered or reasonably should have been discovered by the owner or operator. However, notification is not required in the circumstances outlined in Items A, B and C of Minn. R. 7019.1000, subp. 2. At the time of notification or as soon as possible thereafter, the owner or operator shall inform the Commissioner of the cause of the breakdown and the estimated duration. The owner or operator shall notify the Commissioner when the breakdown is over. [Minn. R. 7019.1000, subp. 2]

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	5.1.27		Notification of Deviations Endangering Human Health or the Environment: As soon as possible after discovery, notify the Commissioner or the state duty officer, either orally or by facsimile, of any deviation from permit conditions which could endanger human health or the environment. [Minn. R. 7019.1000, subp. 1]
	5.1.28		Notification of Deviations Endangering Human Health or the Environment Report: Within 2 working days of discovery, notify the Commissioner in writing of any deviation from permit conditions which could endanger human health or the environment. Include the following information in this written description: 1. the cause of the deviation; 2. the exact dates of the period of the deviation, if the deviation has been corrected; 3. whether or not the deviation has been corrected; 4. the anticipated time by which the deviation is expected to be corrected, if not yet corrected; and 5. steps taken or planned to reduce, eliminate, and prevent reoccurrence of the deviation. [Minn. R. 7019.1000, subp. 1]
	5.1.29		Application for Permit Amendment: If a permit amendment is needed, submit an application in accordance with the requirements of Minn. R. 7007.1150 through Minn. R. 7007.1500. Submittal dates vary, depending on the type of amendment needed. Upon adoption of a new or amended federal applicable requirement, and if there are 3 or more years remaining in the permit term, the Permittee shall file an application for an amendment within nine months of promulgation of the applicable requirement, pursuant to Minn. R. 7007.0400, subp. 3. [Minn. R. 7007.0400, subp. 3, Minn. R. 7007.1150 - 7007.1500]
	5.1.30		Extension Requests: The Permittee may apply for an Administrative Amendment to extend a deadline in a permit by no more than 120 days, provided the proposed deadline extension meets the requirements of Minn. R. 7007.1400, subp. 1(H). Performance testing deadlines from the General Provisions of 40 CFR pt. 60 and pt. 63 are examples of deadlines for which the MPCA does not have authority to grant extensions and therefore do not meet the requirements of Minn. R. 7007.1400, subp. 1(H). [Minn. R. 7007.1400, subp. 1(H)]
	5.1.31		Emission Inventory Report: due on or before April 1 of each calendar year following permit issuance. Submit in a format specified by the Commissioner. [Minn. R. 7019.3000-7019.3100]
	5.1.32		Emission Fees: due 30 days after receipt of an MPCA bill. [Minn. R. 7002.0005-7002.0095]
EQUI 1	EU007	Water Jacket Heater	
	5.2.1		Hours <= 2150 hours per year 12-month rolling sum for EQUI 1 when EQUI 2, EQUI 3, EQUI 4, EQUI 5, EQUI 6, and EQUI 7 are also in operation, to be calculated by the last day of each month for the

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			previous 12-month period as described later in this permit. [40 CFR pt. 50, Minn. R. 7007.0100, subp. 7(A), 7(L), & 7(M), Minn. R. 7007.0800, subp. 4, Minn. R. 7007.0800, subps. 1-2, Minn. R. 7009.0010-7009.0090, Minn. Stat. 116.07, subd. 4a, Minn. Stat. 116.07, subd. 9]
	5.2.2		Daily Recordkeeping. On each day that the water jacket heater is operated, the Permittee shall record and maintain the following information: 1) The date that EQUI 1 is operating; 2) The start time for EQUI 1 if EQUI 2, EQUI 3, EQUI 4, EQUI 5, or EQUI 6 is operating; 3) The start time for EQUI 2, EQUI 3, EQUI 4, EQUI 5, or EQUI 6 if EQUI 1 is operating; 4) The stop time for EQUI 1 if EQUI 2, EQUI 3, EQUI 4, EQUI 5, or EQUI 6 is operating; and 5) The stop time for EQUI 2, EQUI 3, EQUI 4, EQUI 5, or EQUI 6 if EQUI 1 is operating. [40 CFR pt. 50, Minn. R. 7007.0100, 7(A), 7(L), & 7(M), Minn. R. 7007.0800, subps. 4-5, Minn. R. 7009.0010-7009.0090, Minn. Stat. 116.07, subd. 4a, Minn. Stat. 116.07, subd. 9]
	5.2.3		Monthly Recordkeeping. By the last day of the month, the Permittee shall calculate and record the following: 1) The total hours of operation for EQUI 1 while EQUI 2, EQUI 3, EQUI 4, EQUI 5, or EQUI 6 is operating for the previous calendar month using the daily records; and 2) The 12-month rolling sum hours of operation for the previous 12-month period by summing the monthly hours of operation for the previous 12 months. [Minn. R. 7007.0800, subps. 4-5]
	5.2.4		Particulate Matter <= 0.40 pounds per million Btu heat input. The potential to emit from the unit is 0.0075 lb/MMBtu due to equipment design and allowable fuels. [Minn. R. 7011.0515, subp. 1]
	5.2.5		Opacity <= 20 percent opacity except for one six-minute period per hour of not more than 60 percent opacity. [Minn. R. 7011.0515, subp. 2]
	5.2.6		The affected source of 40 CFR pt. 63, subp. DDDDD is the collection at a major source of all existing industrial, commercial, and institutional boilers and process heaters within a subcategory as defined in 40 CFR Section 63.7575. These units are part of the subcategory "units designed to burn gas 1 fuels". [40 CFR 63.7490, Minn. R. 7011.7050]
	5.2.7		The Permittee must meet each work practice standard in Table 3 to 40 CFR pt. 63, subp. DDDDD that apply to this unit. [40 CFR 63.7500(a)(1), Table 3, Minn. R. 7011.7050]
	5.2.8		The Permittee must demonstrate continuous compliance with each work practice standard in Table 3 to 40 CFR pt. 63, subp. DDDDD that applies to this unit. [40 CFR 63.7540(a)(1), Minn. R. 7011.7050]
	5.2.9		The Permittee must conduct each 5-year tune-up specified in 40

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			CFR Section 63.7540(a)(10) must be no more than 61 months after the previous tune-up. [40 CFR 63.7515(d), Minn. R. 7011.7050]
	5.2.10		At all times, the Permittee must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator that may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source. [40 CFR 63.7500(a)(3), Minn. R. 7011.7050]
	5.2.11		The standards under 40 CFR Section 63.7500 apply at all times the affected unit is operating, except during periods of startup and shutdown during which time the Permittee must comply only with Table 3 to Subpart DDDDD of Part 63. [40 CFR 63.7500(f), Minn. R. 7011.7050]
	5.2.12		The Permittee must meet the requirements in paragraphs (a)(1) through (3) of 40 CFR Section 63.7500, except as provided in paragraphs (b), through (e) of 40 CFR Section 63.7500. The Permittee must meet these requirements at all times the affected unit is operating except for the periods noted in 40 CFR Section 63.7500(f). [40 CFR 63.7505(a), Minn. R. 7011.7050]
	5.2.13		The Permittee must conduct a tune-up of the boiler or process heater every 5 years as specified in 40 CFR Section 63.7540(a)(10) to demonstrate continuous compliance, including: (i) As applicable, inspect the burner, and clean or replace any components of the burner as necessary (the Permittee may delay the burner inspection until the next scheduled unit shutdown). At units where entry into a piece of process equipment or into a storage vessel is required to complete the tune-up inspections, inspections are required only during planned entries into the storage vessel or process equipment; (ii) Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available; (iii) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly (the Permittee may delay the inspection until the next scheduled unit shutdown); (iv) Optimize total emissions of CO. This optimization should be consistent with the manufacturer's specifications, if available, and with any NO_X requirement to which this unit is subject; (v) Measure the concentrations in the effluent stream of CO in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable CO analyzer; and

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			(vi) Maintain on-site and submit, if requested by the Commissioner or Administrator, an annual report containing: - The concentrations of CO in the effluent stream in parts per million by volume, and oxygen in volume percent, measured at high fire or typical operating load, before and after the tune-up of the boiler or process heater; - A description of any corrective actions taken as a part of the tune-up; and - The type and amount of fuel used over the 12 months prior to the tune-up, but only if the unit was physically and legally capable of using more than one type of fuel during that period. Units sharing a fuel meter may estimate the fuel used by each unit. [40 CFR 63.7540(a)(10), 40 CFR 63.7540(a)(12), Minn. R. 7011.7050]
	5.2.14		If the unit is not operating on the required date for a tune-up, the tune-up must be conducted within 30 calendar days of startup. [40 CFR 63.7540(a)(13), Minn. R. 7011.7050]
	5.2.15		The Permittee must submit each report in Table 9 of 40 CFR pt. 63, subp. DDDDD that applies. [40 CFR 63.7550(a), Minn. R. 7011.7050]
	5.2.16		Compliance Report: The Permittee shall submit a 5-year compliance report. The first compliance report must cover the period beginning January 31, 2016 and ending on December 31, 2020. The first 5-year compliance report must be postmarked or submitted no later than January 31, 2021. Each subsequent compliance report must cover the applicable 5-year periods from January 1 to December 31. Each subsequent compliance report must be postmarked or submitted no later than January 31. [40 CFR 63.7550(b), 40 CFR pt. 63, subp. DDDDD(Table 9), Minn. R. 7011.7050]
	5.2.17		A Compliance Report must contain the following: 1. Information required in 40 CFR Section 63.7550(c)(1) through (5); 2. If there were no deviations from the requirements for work practice standards in Table 3 of 40 CFR pt. 63, subp. DDDDD that apply, a statement that there were no deviations from the work practice standards during the reporting period; and 3. If there was a deviation from a work practice standard during the reporting period, the report must contain the information in 40 CFR Section 63.7550(d). [40 CFR 63.7550(b), 40 CFR 63.7550(a), Table 9, Minn. R. 7011.7050]
	5.2.18		A compliance report must contain the following information: 1. Company and Facility name and address. 2. Process unit information, emissions limitations, and operating parameter limitations. 3. Date of report and beginning and ending dates of the reporting period. 4. The total operating time during the reporting period.

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			5. Include the date of the most recent tune-up for each unit subject to only the requirement to conduct a 5-year tune-up. Include the date of the most recent burner inspection if it was not done on a 5-year period and was delayed until the next scheduled or unscheduled unit shutdown. [40 CFR 63.7550(c), Minn. R. 7011.7050]
	5.2.19		The Permittee must submit all reports required by Table 9 of 40 CFR pt. 63, subp. DDDDD electronically to the EPA via the CEDRI. (CEDRI can be accessed through the EPA's CDX.) The Permittee must use the appropriate electronic report in CEDRI for 40 CFR pt. 63, subp. DDDDD. Instead of using the electronic report in CEDRI for 40 CFR pt. 63, subp. DDDDD, the Permittee may submit an alternate electronic file consistent with the XML schema listed on the CEDRI Web site (http://www.epa.gov/ttn/chief/cedri/index.html), once the XML schema is available. If the reporting form specific to 40 CFR pt. 63, subp. DDDDD is not available in CEDRI at the time that the report is due, the Permittee must submit the report to the Administrator at the appropriate address listed in 40 CFR Section 63.13. The Permittee must begin submitting reports via CEDRI no later than 90 days after the form becomes available in CEDRI. [40 CFR 63.7550(h)(3), Minn. R. 7011.7050]
	5.2.20		The Permittee must keep records according to 40 CFR Section 63.7555(a)(1), including: 1. A copy of each notification and report that the Permittee submitted to comply with 40 CFR pt. 63, subp. DDDDD, including all documentation supporting any Initial Notification or Notification of Compliance Status or compliance report that the Permittee submitted, according to the requirements in 40 CFR Section 63.10(b)(2)(xiv). 2. Records of performance tests, fuel analyses, or other compliance demonstrations and perform evaluations as required in 40 CFR Section 63.10(b)(2)(viii). [40 CFR 63.7555(a), Minn. R. 7011.7050]
	5.2.21		The Permittee must maintain records of the calendar date, time, occurrence and duration of each startup and shutdown. [40 CFR 63.7555(i), Minn. R. 7011.7050]
	5.2.22		The Permittee must maintain records of the type(s) and amount(s) of fuels used during each startup and shutdown. [40 CFR 63.7555(j), Minn. R. 7011.7050]
	5.2.23		The Permittee must keep records in a form suitable and readily available for expeditious review. [40 CFR 63.10(b)(1), 40 CFR 63.7560(a), Minn. R. 7011.7050, Minn. R. 7019.0100]
	5.2.24		The Permittee must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. [40 CFR 63.10(b)(1), 40 CFR 63.7560(b), Minn. R. 7011.7050, Minn. R. 7019.0100]
	5.2.25		The Permittee must keep each record on site, or they must be accessible from onsite (for example, through a computer network), for at least 2 years after the date of each occurrence,

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			measurement, maintenance, corrective action, report, or record. The Permittee can keep the records offsite for the remaining 3 years. [40 CFR 63.10(b)(1), 40 CFR 63.7560(c), Minn. R. 7011.7050, Minn. R. 7019.0100]
	5.2.26		The Permittee shall comply with the applicable parts of the General Provisions in 40 CFR Sections 63.1 through 63.15 as indicated in Table 10 of 40 CFR pt. 63, subp. DDDDD. [40 CFR 63.7565, Minn. R. 7011.7050]
EQUI 2	EU001	Reciprocating Engine #1A (Clark 1700 hp 2SLB)	
	5.3.1		Opacity <= 20 percent opacity once operating temperatures have been attained. [Minn. R. 7011.2300, subp. 1]
	5.3.2		Sulfur Dioxide <= 0.50 pounds per million Btu heat input. The potential to emit from the unit is 0.00059 lb/MMBtu due to equipment design and allowable fuels. [Minn. R. 7011.2300, subp. 2(A)]
	5.3.3		Sulfur Dioxide <= 0.0015 pounds per million Btu heat input. This limit is effective on January 31, 2018. The potential to emit from the unit is 0.00059 lb SO2 per MMBtu due to equipment design and allowable fuels. [Minn. R. 7011.2300, subp. 2(B)]
	5.3.4		Fuel type: Natural gas only by design. [Minn. R. 7005.0100, subp. 35a]
	5.3.5		Temporary Reciprocating Internal Combustion Engines (TRICE): The Permittee may operate a pipeline natural gas-fired two-stroke lean burn TRICE at the facility in place of EQUI 2 for up to 12 consecutive months. TRICE shall: 1. meet requirements of 40 CFR part 63, subp. ZZZZ when and if applicable; 2. meet all applicable requirements in this subject item; 3. exhaust through a stack with a height no less, a diameter no greater, and an exhaust temperature no less than the stack for the RICE it replaces; 4. not operate at the same time as the engine it replaces, except for up to eight hours during startup and shutdown transitions; 5. have potential emission rates (in lb/hr) for all pollutants equal to or less than permit emission limits and potential emission rates of the engine it replaces. For each TRICE record start & stop dates, manufacturer, model & serial numbers, and the lb/hr potential emission rates for all pollutants. [Minn. R. 7007.0800, subp. 2]
	5.3.6		At the time of permit issuance, EQUI 2 is considered an existing affected source under 40 CFR pt. 63, subp. ZZZZ as defined at 40 CFR Section 63.6590(a)(1)(i). However, these units meet the criteria in 40 CFR Section 63.6590(b)(3), so no limits, recordkeeping, or

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			notifications from 40 CFR pt, 63, subp. ZZZZ apply to these units. [40 CFR 63.6590(a)(1)(i) and (b)(3), Minn. R. 7011.8150]
EQUI 3	EU002	Reciprocating Engine #2A (Clark 1700 hp 2SLB)	
	5.4.1		Opacity <= 20 percent opacity once operating temperatures have been attained. [Minn. R. 7011.2300, subp. 1]
	5.4.2		Sulfur Dioxide <= 0.50 pounds per million Btu heat input. The potential to emit from the unit is 0.00059 lb/MMBtu due to equipment design and allowable fuels. [Minn. R. 7011.2300, subp. 2(A)]
	5.4.3		Sulfur Dioxide <= 0.0015 pounds per million Btu heat input. This limit is effective on January 31, 2018. The potential to emit from the unit is 0.00059 lb SO2 per MMBtu due to equipment design and allowable fuels. [Minn. R. 7011.2300, subp. 2(B)]
	5.4.4		Fuel type: Natural gas only by design. [Minn. R. 7005.0100, subp. 35a]
	5.4.5		Temporary Reciprocating Internal Combustion Engines (TRICE): The Permittee may operate a pipeline natural gas-fired two-stroke lean burn TRICE at the facility in place of EQUI 3 for up to 12 consecutive months. TRICE shall: 1. meet requirements of 40 CFR part 63, subp. ZZZZ when and if applicable; 2. meet all applicable requirements in this subject item; 3. exhaust through a stack with a height no less, a diameter no greater, and an exhaust temperature no less than the stack for the RICE it replaces; 4. not operate at the same time as the engine it replaces, except for up to eight hours during startup and shutdown transitions; 5. have potential emission rates (in lb/hr) for all pollutants equal to or less than permit emission limits and potential emission rates of the engine it replaces. For each TRICE record start & stop dates, manufacturer, model & serial numbers, and the lb/hr potential emission rates for all pollutants. [Minn. R. 7007.0800, subp. 2]
	5.4.6		At the time of permit issuance, EQUI 3 is considered an existing affected source under 40 CFR pt. 63, subp. ZZZZ as defined at 40 CFR Section 63.6590(a)(1)(i). However, these units meet the criteria in 40 CFR Section 63.6590(b)(3), so no limits, recordkeeping, or notifications from 40 CFR pt, 63, subp. ZZZZ apply to these units. [40 CFR 63.6590(a)(1)(i) and (b)(3), Minn. R. 7011.8150]
EQUI 4	EU003	Reciprocating Engine #3A (Clark 1700 hp 2SLB)	

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	5.5.1		Opacity <= 20 percent opacity once operating temperatures have been attained. [Minn. R. 7011.2300, subp. 1]
	5.5.2		Sulfur Dioxide <= 0.50 pounds per million Btu heat input. The potential to emit from the unit is 0.00059 lb/MMBtu due to equipment design and allowable fuels. [Minn. R. 7011.2300, subp. 2(A)]
	5.5.3		Sulfur Dioxide <= 0.0015 pounds per million Btu heat input. This limit is effective on January 31, 2018. The potential to emit from the unit is 0.00059 lb SO2 per MMBtu due to equipment design and allowable fuels. [Minn. R. 7011.2300, subp. 2(B)]
	5.5.4		Fuel type: Natural gas only by design. [Minn. R. 7005.0100, subp. 35a]
	5.5.5		Temporary Reciprocating Internal Combustion Engines (TRICE): The Permittee may operate a pipeline natural gas-fired two-stroke lean burn TRICE at the facility in place of EQUI 4 for up to 12 consecutive months. TRICE shall: 1. meet requirements of 40 CFR part 63, subp. ZZZZ when and if applicable; 2. meet all applicable requirements in this subject item; 3. exhaust through a stack with a height no less, a diameter no greater, and an exhaust temperature no less than the stack for the RICE it replaces; 4. not operate at the same time as the engine it replaces, except for up to eight hours during startup and shutdown transitions; 5. have potential emission rates (in lb/hr) for all pollutants equal to or less than permit emission limits and potential emission rates of the engine it replaces. For each TRICE record start & stop dates, manufacturer, model & serial numbers, and the lb/hr potential emission rates for all pollutants. [Minn. R. 7007.0800, subp. 2]
	5.5.6		At the time of permit issuance, EQUI 4 is considered an existing affected source under 40 CFR pt. 63, subp. ZZZZ as defined at 40 CFR Section 63.6590(a)(1)(i). However, these units meet the criteria in 40 CFR Section 63.6590(b)(3), so no limits, recordkeeping, or notifications from 40 CFR pt, 63, subp. ZZZZ apply to these units. [40 CFR 63.6590(a)(1)(i) and (b)(3), Minn. R. 7011.8150]
EQUI 5	EU004	Reciprocating Engine #4A (Clark 1700 hp 2SLB)	
	5.6.1		Opacity <= 20 percent opacity once operating temperatures have been attained. [Minn. R. 7011.2300, subp. 1]
	5.6.2		Sulfur Dioxide <= 0.50 pounds per million Btu heat input. The potential to emit from the unit is 0.00059 lb/MMBtu due to equipment design and allowable fuels. [Minn. R. 7011.2300, subp. 2(A)]

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	5.6.3		Sulfur Dioxide <= 0.0015 pounds per million Btu heat input. This limit is effective on January 31, 2018. The potential to emit from the unit is 0.00059 lb SO2 per MMBtu due to equipment design and allowable fuels. [Minn. R. 7011.2300, subp. 2(B)]
	5.6.4		Fuel type: Natural gas only by design. [Minn. R. 7005.0100, subp. 35a]
	5.6.5		Temporary Reciprocating Internal Combustion Engines (TRICE): The Permittee may operate a pipeline natural gas-fired two-stroke lean burn TRICE at the facility in place of EQUI 5 for up to 12 consecutive months. TRICE shall: 1. meet requirements of 40 CFR part 63, subp. ZZZZ when and if applicable; 2. meet all applicable requirements in this subject item; 3. exhaust through a stack with a height no less, a diameter no greater, and an exhaust temperature no less than the stack for the RICE it replaces; 4. not operate at the same time as the engine it replaces, except for up to eight hours during startup and shutdown transitions; 5. have potential emission rates (in lb/hr) for all pollutants equal to or less than permit emission limits and potential emission rates of the engine it replaces. For each TRICE record start & stop dates, manufacturer, model & serial numbers, and the lb/hr potential emission rates for all pollutants. [Minn. R. 7007.0800, subp. 2]
	5.6.6		At the time of permit issuance, EQUI 5 is considered an existing affected source under 40 CFR pt. 63, subp. ZZZZ as defined at 40 CFR Section 63.6590(a)(1)(i). However, these units meet the criteria in 40 CFR Section 63.6590(b)(3), so no limits, recordkeeping, or notifications from 40 CFR pt, 63, subp. ZZZZ apply to these units. [40 CFR 63.6590(a)(1)(i) and (b)(3), Minn. R. 7011.8150]
EQUI 6	EU005	Reciprocating Engine #5A (Clark 1700 hp 2SLB)	
	5.7.1		Opacity <= 20 percent opacity once operating temperatures have been attained. [Minn. R. 7011.2300, subp. 1]
	5.7.2		Sulfur Dioxide <= 0.50 pounds per million Btu heat input. The potential to emit from the unit is 0.00059 lb/MMBtu due to equipment design and allowable fuels. [Minn. R. 7011.2300, subp. 2(A)]
	5.7.3		Sulfur Dioxide <= 0.0015 pounds per million Btu heat input. This limit is effective on January 31, 2018. The potential to emit from the unit is 0.00059 lb SO2 per MMBtu due to equipment design and allowable fuels. [Minn. R. 7011.2300, subp. 2(B)]
	5.7.4		Fuel type: Natural gas only by design. [Minn. R. 7005.0100, subp. 35a]

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	5.7.5		Temporary Reciprocating Internal Combustion Engines (TRICE): The Permittee may operate a pipeline natural gas-fired two-stroke lean burn TRICE at the facility in place of EQUI 6 for up to 12 consecutive months. TRICE shall: 1. meet requirements of 40 CFR part 63, subp. ZZZZ when and if applicable; 2. meet all applicable requirements in this subject item; 3. exhaust through a stack with a height no less, a diameter no greater, and an exhaust temperature no less than the stack for the RICE it replaces; 4. not operate at the same time as the engine it replaces, except for up to eight hours during startup and shutdown transitions; 5. have potential emission rates (in lb/hr) for all pollutants equal to or less than permit emission limits and potential emission rates of the engine it replaces. For each TRICE record start & stop dates, manufacturer, model & serial numbers, and the lb/hr potential emission rates for all pollutants. [Minn. R. 7007.0800, subp. 2]
	5.7.6		At the time of permit issuance, EQUI 6 is considered an existing affected source under 40 CFR pt. 63, subp. ZZZZ as defined at 40 CFR Section 63.6590(a)(1)(i). However, these units meet the criteria in 40 CFR Section 63.6590(b)(3), so no limits, recordkeeping, or notifications from 40 CFR pt, 63, subp. ZZZZ apply to these units. [40 CFR 63.6590(a)(1)(i) and (b)(3), Minn. R. 7011.8150]
EQUI 7	EU006	Reciprocating Engine-Emergency Generator (4SRB)	
	5.8.1		Opacity <= 20 percent opacity once operating temperatures have been attained. [Minn. R. 7011.2300, subp. 1]
	5.8.2		Sulfur Dioxide <= 0.50 pounds per million Btu heat input. The potential to emit from the unit is 0.00059 lb/MMBtu due to equipment design and allowable fuels. [Minn. R. 7011.2300, subp. 2(A)]
	5.8.3		Sulfur Dioxide <= 0.0015 pounds per million Btu heat input. This limit is effective on January 31, 2018. The potential to emit from the unit is 0.00059 lb SO2 per MMBtu due to equipment design and allowable fuels. [Minn. R. 7011.2300, subp. 2(B)]
	5.8.4		Hours <= 720 hours per year 12-month rolling sum for EQUI 7 when EQUI 2, EQUI 3, EQUI 4, EQUI 5, or EQUI 6 are also in operation, to be calculated by the 15th day of each month for the previous 12-month period as described later in this permit. [40 CFR 50, Minn. R. 7007.0100, subp. 7(A), 7(L), & 7(M), Minn. R. 7007.0800, subp. 2, Minn. R. 7009.0010-7009.0090, Minn. Stat. 116.07, subd. 4a, Minn. Stat. 116.07, subd. 9]

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	5.8.5		Fuel type: Natural gas only by design. [Minn. R. 7005.0100, subp. 35a]
	5.8.6		Daily Recordkeeping. On each day that the emergency generator is operated, the Permittee shall record and maintain the following information: 1) The date; 2) The start time for EQUI 7 if EQUI 2, EQUI 3, EQUI 4, EQUI 5, or EQUI 6 is operating; 3) The start time for EQUI 2, EQUI 3, EQUI 4, EQUI 5, or EQUI 6 if EQUI 7 is operating; 4) The stop time for EQUI 7 if EQUI 2, EQUI 3, EQUI 4, EQUI 5, or EQUI 6 is operating; 5) The stop time for EQUI 2, EQUI 3, EQUI 4, EQUI 5, or EQUI 6 if EQUI 7 is operating. [40 CFR 50, Minn. R. 7007.0100, subp. 7(A), 7(L), & 7(M), Minn. R. 7007.0800, subps. 4-5, Minn. R. 7009.0010-7009.0090, Minn. Stat. 116.07, subd. 4a, Minn. Stat. 116.07, subd. 9]
	5.8.7		Monthly Recordkeeping. By the 15th of the month, the Permittee shall calculate and record the following: 1) The total hours of operation for EQUI 7 while EQUI 2, EQUI 3, EQUI 4, EQUI 5, or EQUI 6 is operating, for the previous calendar month using the daily records; and 2) The 12-month rolling sum hours of operation for the previous 12-month period by summing the monthly hours of operation for the previous 12 months. [Minn. R. 7007.0800, subps. 4-5]
	5.8.8		Change oil and filter every 500 hours of operation or annually, whichever comes first. The Permittee has the option of utilizing an oil analysis program in order to extend the oil change requirement as described below. [40 CFR 63.6603(a), 40 CFR 63.6640, 40 CFR pt. 63, subp. ZZZZ(Table 2c), Minn. R. 7011.8150]
	5.8.9		Inspect spark plugs every 1,000 hours of operation or annually, whichever comes first, and replace as necessary. [40 CFR 63.6603(a), 40 CFR 63.6640, 40 CFR pt. 63, subp. ZZZZ(Table 2c), Minn. R. 7011.8150]
	5.8.10		Inspect all hoses and belts every 500 hours of operation, or annually, whichever comes first, and replace as necessary. [40 CFR 63.6603(a), 40 CFR 63.6640, 40 CFR pt. 63, subp. ZZZZ(Table 2c), Minn. R. 7011.8150]
	5.8.11		The Permittee shall be in compliance with the operating limitations in 40 CFR subp. ZZZZ that apply at all times. [40 CFR 63.6605(a), Minn. R. 7011.8150]
	5.8.12		At all times the Permittee shall operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require the Permittee to make any further efforts to reduce emissions if levels required by this standard have been achieved. Determination of whether such operation and maintenance procedures are being used will be

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			based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source. [40 CFR 63.6605(b), Minn. R. 7011.8150]
	5.8.13		The Permittee shall operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop a maintenance plan which shall 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. [40 CFR 63.6625(e), Minn. R. 7011.8150]
	5.8.14		The Permittee shall minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the emission standards applicable to all times other than startup apply. [40 CFR 63.6625(h), Minn. R. 7011.8150]
	5.8.15		The Permittee has the option of utilizing an oil analysis program in order to extend the specified oil change requirement. The oil analysis shall be performed at the same frequency specified for changing the oil. The analysis program shall at a minimum analyze the following three parameters: Total Acid Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Acid Number increases by more than 3.0 milligrams of potassium hydroxide (KOH) per gram from Total Acid Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the Permittee is not required to change the oil. If any of the limits are exceeded, the engine owner or operator shall change the oil within 2 days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the Permittee shall change the oil within 2 days or before commencing operation, whichever is later. The Permittee shall keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program shall be part of the maintenance plan for the engine. [40 CFR 63.6625(j), Minn. R. 7011.8150]
	5.8.16		The Permittee shall operate and maintain the stationary RICE according to the manufacturer's emission related operation and maintenance instructions; or the Permittee shall develop and follow a maintenance plan which shall 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. [40 CFR 63.6640(a), 40 CFR pt. 63, subp. ZZZZ(Table 6), Minn. R. 7011.8150]
	5.8.17		The Permittee shall comply with the General Provisions in 40 CFR Section 63.1 through 63.15, as applicable. [40 CFR 63.1-63.15, 40

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			CFR 63.6665, 40 CFR pt. 63, subp. ZZZZ(Table 8), Minn. R. 7011.8150]
	5.8.18		The Permittee shall install a non-resettable hour meter. [40 CFR 63.6625(f), Minn. R. 7011.8150]
	5.8.19		The Permittee shall operate the emergency stationary RICE according to the requirements in paragraphs 40 CFR Section 63.6640 (f)(1) through (4). Any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in 40 CFR Section 63.6640(f)(1) through (4), is prohibited. If the engine is not operated according to the requirements in 40 CFR Section 63.6640(f)(1) through (4), the engine will not be considered an emergency engine under this subpart and will need to meet all requirements for non-emergency engines. [40 CFR 63.6640(f), Minn. R. 7011.8150]
	5.8.20		There is no time limit on the use of emergency stationary RICE in emergency situations. [40 CFR 63.6640(f)(1), Minn. R. 7011.8150]
	5.8.21		The Permittee may operate the emergency stationary RICE for any combination of the purposes specified in 40 CFR Section 63.6640(f)(2)(i) for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by 40 CFR Section 63.6640(f)(3) counts as part of the 100 hours per calendar year allowed by this paragraph (f)(2). [40 CFR 63.6640(f)(2), Minn. R. 7011.8150]
	5.8.22		The Permittee may operate the emergency stationary RICE for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The Permittee may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the Permittee maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency RICE beyond 100 hours per calendar year. [40 CFR 63.6640(f)(2)(i), Minn. R. 7011.8150]
	5.8.23		The Permittee may operate the emergency stationary RICE up to 50 hours per year in non-emergency situations, but those 50 hours are counted towards the 100 hours per calendar year provided for maintenance and testing and emergency demand response provided in 40 CFR Section 63.6640(f)(2). The 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity. [40 CFR 63.6640(f)(3), Minn. R. 7011.8150]
	5.8.24		The Permittee shall demonstrate continuous compliance with each emission limitation and operating limitation in Table 2c of 40 CFR pt. 63, subp. ZZZZ that apply according to methods specified in

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			Table 6 of 40 CFR pt. 63, subp. ZZZZ. [40 CFR 63.6640(a), Minn. R. 7011.8150]
	5.8.25		The Permittee shall keep records required in Table 6 of 40 CFR pt. 63, subp. ZZZZ, to show continuous compliance with each emission or operating limitation that applies. [40 CFR 63.6655(d), Minn. R. 7011.8150]
	5.8.26		The Permittee shall keep records of the maintenance conducted on the stationary RICE in order to demonstrate that the Permittee operated and maintained the stationary RICE and after-treatment control device (if any) according to the maintenance plan. [40 CFR 63.6655(e), Minn. R. 7011.8150]
	5.8.27		The Permittee shall keep records of the hours of operation of the engine that are recorded through the non-resettable hour meter. The Permittee shall document how many hours are spent for emergency operation; including what classified the operation as emergency and how many hours are spent for non-emergency operation. If the engine is used for the purposes specified in 40 CFR Section 63.6640(f)(2)(ii) or (iii), the Permittee shall keep records of the notification of the emergency situation, and the date, start time, and end time of engine operation for these purposes. [40 CFR 63.6655(f), Minn. R. 7011.8150]
	5.8.28		The Permittee shall keep records in a form suitable and readily available for expeditious review according to 40 CFR Section 63.10(b)(1). As specified in 40 CFR Section 63.10(b)(1), the Permittee shall keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report or record. The Permittee shall keep each records readily accessible in hard copy or electronic form for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record according to 40 CFR Section 63.10(b)(1). [40 CFR 63.10(b)(1), 40 CFR 63.6660, Minn. R. 7011.8150]
	5.8.29		The Permittee shall report each instance in which the stationary RICE did not meet each applicable operating limitation. These instances are deviations from the emission and operating limitations. These deviations shall be reported according to the requirements in 40 CFR Section 63.6650. [40 CFR 63.6640(b), Minn. R. 7011.8150]
	5.8.30		Circumvention. The Permittee shall not build, erect, install, or use any article, machine, equipment, or process to conceal an emission that would otherwise constitute noncompliance with a relevant standard. Such concealment includes, but is not limited to: (1) The use of diluents to achieve compliance with a relevant standard based on the concentration of a pollutant in the effluent discharged to the atmosphere or (2) The use of gaseous diluents to achieve compliance with a

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			relevant standard for visible emissions. [40 CFR 63.4(b), Minn. R. 7011.7000]
	5.8.31		Prior to construction or reconstruction of a major-emitting "affected source" under the promulgated MACT standards, the Permittee must apply for and obtain an air emission permit. [40 CFR 63.5(b)(3), Minn. R. 7011.7000]
	5.8.32		After the effective date of any relevant standard promulgated by the Administrator under 40 CFR pt. 63, the Permittee who constructs a new affected source that is not major-emitting or reconstructs an affected source that is not major-emitting that is subject to such standard, or reconstructs a source such that the source becomes an affected source subject to the standard, must notify the Administrator of the intended construction or reconstruction. The notification must be submitted in accordance with the procedures in 40 CFR Section 63.9(b). [40 CFR 63.5(b)(4), Minn. R. 7011.7000]
	5.8.33		After the effective date of any relevant standard promulgated by the Administrator under 40 CFR pt. 63, equipment added (or a process change) to an affected source that is within the scope of the definition of affected source under the relevant standard must be considered part of the affected source and subject to all provisions of the relevant standard established for that affected source. [40 CFR 63.5(b)(6), Minn. R. 7011.7000]
	5.8.34		Methods for determining compliance will be, in part, based on the results of performance tests, conformance with operation and maintenance requirements, review of records, and inspection of the source as specified in 40 CFR Section 63.6(f)(2). The Permittee many use the results of performance testing conducted previously if it meets the requirements of 40 CFR Section 63.6(f)(iii). [40 CFR 63.6(f)(2), Minn. R. 7011.7000]
	5.8.35		Finding of compliance. The Commissioner or the Administrator will make a finding concerning an affected source's compliance with a non-opacity emission standard upon obtaining all the compliance information required by the relevant standard. [40 CFR 63.6(f)(3), Minn. R. 7011.7000]
	5.8.36		The Permittee may establish the use of an alternative nonopacity emission standard by following the procedure specified in 40 CFR Section 63.6(g). [40 CFR 63.6(g), Minn. R. 7011.7000]
	5.8.37		Until an extension of compliance has been granted by the Administrator, the Permittee shall comply with all applicable requirements of 40 CFR pt. 63, subp. A. [40 CFR 63.6(i)(1), Minn. R. 7011.7000]
	5.8.38		The Administrator may grant an extension of compliance with an emission standard, as specified in 40 CFR Section 63.6(i). [40 CFR 63.6(i), Minn. R. 7011.7000]
	5.8.39		Notification. Any change in the information already provided under 40 CFR Section 63.9 shall be provided to the Commissioner and the Administrator in writing within 15 calendar days after the change.

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			[40 CFR 63.9(j), Minn. R. 7019.0100]
	5.8.40		The Permittee shall submit reports to the Commissioner and shall send a copy of each report to the Administrator. [40 CFR 63.10(a), Minn. R. 7019.0100]
	5.8.41		Recordkeeping: The Permittee shall maintain files of all information required by 40 CFR pt. 63 in a form suitable and readily available for expeditious inspection and review. The files should be retained for at least 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. Only the most recent two years of information must be kept on site. [40 CFR 63.10(b)(1), Minn. R. 7019.0100, subp. 2(B)]
	5.8.42		The Permittee shall maintain, at a minimum, the following information in the files: 1) the occurrence and duration of each startup, shutdown, or malfunction of operation when the startup or shutdown causes the source to exceed any applicable emission limitation in the relevant emission standards; 2) the occurrence and duration of each malfunction of operation (i.e., process equipment) or the required air pollution control and monitoring equipment; 3) all maintenance performed on the air pollution control and monitoring equipment; 4) actions taken during periods of startup, shutdown, and malfunction when such actions are different from the procedures specified in the affected source's startup, shutdown, and malfunction plan (SSMP). In this case, the Permittee shall report this action within 2 days of occurrence and follow by a written notification within 7 days of occurrence; 5) all information necessary to demonstrate conformance with the affected source's SSMP and actions taken in accordance with SSMP; 6) each period during which a continuous monitoring system (CMS) is malfunctioning or inoperative; 7) all required measurements needed to demonstrate compliance with a relevant standard; 8) all results of performance test, CMS performance evaluations, and opacity and visible emission observations; 9) all measurements as may be necessary to determine the conditions of performance tests and performance evaluations; 10) all CMS calibration checks;

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			11) all adjustments and maintenance performed on CMS; 12) any information demonstrating whether a source is meeting the requirements for a waiver of record keeping or reporting requirements under this part; 13) All emission levels relative to the criterion for obtaining permission to use an alternative to the relative accuracy test, if the source has been granted such permission under 40 CFR 63.8(f)(6); and 14) all documentation supporting initial notifications and notifications of compliance status. [40 CFR 63.10(b)(2), Minn. R. 7019.0100, subp. 2(B)]
	5.8.43		Notwithstanding the requirements in 40 CFR Sections 63.10(d) and 63.10(e), the Permittee shall submit reports to the Commissioner and the Administrator in accordance with the reporting requirements in the relevant standard. [40 CFR 63.10(d)(4), Minn. R. 7019.0100]

6. Submittal/action requirements

This section lists most of the submittals required by this permit. Please note that some submittal requirements may appear in the Limits and Other Requirements section, or, if applicable, within a Compliance Schedule section.

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TFAC 1	06900015	Viking Gas Transmission - Humboldt	
	6.1.1		The Permittee shall submit a semiannual deviations report : Due semiannually, by the 30th of January and July. The first semiannual report submitted by the Permittee shall cover the calendar half-year in which the permit is issued. The first report of each calendar year covers January 1 - June 30. The second report of each calendar year covers July 1 - December 31. Submit this on form DRF-2 (Deviation Reporting Form). If no deviations have occurred, submit the signed report certifying that there were no deviations. [Minn. R. 7007.0800, subp. 6(A)(2)]
	6.1.2		The Permittee shall submit a compliance certification : Due annually, by the 31st of January (for the previous calendar year). Submit this on form CR-04 (Annual Compliance Certification Report). This report covers all deviations experienced during the calendar year. If no deviations have occurred, submit the signed report certifying that there were no deviations. [Minn. R. 7007.0800, subp. 6(C)]
	6.1.3		The Permittee shall submit an application for permit reissuance : Due 180 calendar days before Permit Expiration Date. [Minn. R.

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			7007.0400, subp. 2]

7. Appendices

Appendix A. Insignificant Activities and General Applicable Requirements

The table below lists the insignificant activities that are currently at the Facility and their associated general applicable requirements.

Minn. R.	Rule description of the activity	General applicable requirement
Minn. R. 7007.1300, subp. 3(H)(3)	Brazing, soldering or welding equipment	PM, variable depending on airflow Opacity <= 20% (Minn. R. 7011.0715)
Minn. R. 7007.1300, subp. 3(I)	Individual units with potential emissions less than 2000 lb/year of certain pollutants	Minn. R. 7011.0515 Five natural gas-fired space heaters have a total capacity of 0.52 MMBtu/hr. The largest heater has a capacity of 0.20 MMBtu/hr, while the other four are 0.080 MMBtu/hr, each.

Appendix B. PM_{10} Modeled Parameters

PM_{10} Modeled Parameters Relied Upon to Demonstrate Compliance with NAAQS

STRU #	Height (m)	Diameter (m)	Flow Rate (m^3/sec)	Exit Velocity (m/sec)	Temp K	PM_{10} lb/hr	PM_{10} tpy
1	9.14	0.49	8.922	47.31	604.8	0.68	2.98
2	9.14	0.49	8.922	47.31	604.8	0.68	2.98
3	9.14	0.49	8.922	47.31	604.8	0.68	2.98
4	9.14	0.58	8.922	33.77	604.8	0.68	2.98
5	9.14	0.58	8.922	33.77	604.8	0.68	2.98
6	3.35	0.09	0.488	76.71	699.8	0.10	0.44
7	9.14	0.70	0.620	1.61	394.3	0.03	0.13

PM_{10} Modeling results (11/2/04)

	24-hr ug/m^3	annual ug/m^3
Total impact from all stacks	4.30E+01	5.30E+00
Standard	1.50E+02	5.00E+01
Percent of Standard	28.67%	10.60%