

DRAFT

AIR EMISSION PERMIT NO. 11100058-004
Total Facility Operating Permit

IS ISSUED TO

Otter Tail Power Company

FERGUS CONTROL CENTERS

202 South Cascade Street and 224 East Washington Avenue
Fergus Falls, Otter Tail County, MN 56538

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

This permit reissuance supersedes Air Emission Permit No. 11100058-003 and authorizes the Permittee to operate and construct the stationary source at the address listed above unless otherwise noted in Table A. 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 State Implementation Plan (SIP) under 40 CFR § 52.1220 and as such are enforceable by U.S. Environmental Protection Agency (EPA) Administrator or citizens under the Clean Air Act.

Permit Type: State; Limits to avoid Part 70/True Minor for NSR

Operating Permit Issue Date: <issue date>

Expiration Date: Non-Expiring – All Title I Conditions do not expire.

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

for John Linc Stine
Commissioner
Minnesota Pollution Control Agency

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NOTICE TO THE PERMITTEE:

Your stationary source may be subject to the requirements of the Minnesota Pollution Control Agency's (MPCA) solid waste, hazardous waste, and water quality programs. If you wish to obtain information on these programs, including information on obtaining any required permits, please contact the MPCA general information number at:

Metro Area	651-296-6300
Outside Metro Area	1-800-657-3864
TTY	651-282-5332

The rules governing these programs are contained in Minn. R. chs. 7000-7105. Written questions may be sent to: Minnesota Pollution Control Agency, 520 Lafayette Road North, St. Paul, Minnesota 55155-4194.

Questions about this air emission permit or about air quality requirements can also be directed to the telephone numbers and address listed above.

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.

FACILITY DESCRIPTION:

Fergus Control Centers (Facility) is a systems operation control center. The facility comprises two locations, the existing control center and the planned backup control center. Activities conducted at the facility include managing load distribution. The facility operates emergency generators as required by the Federal Energy Regulatory Commission.

TABLE A: LIMITS AND OTHER REQUIREMENTS

A-1 10/25/12

Facility Name: Fergus Control Centers
 Permit Number: 11100058 - 004

Table A contains limits and other requirements with which your facility must comply. The limits are located in the first column of the table (What To do). The limits can be emission limits or operational limits. This column also contains the actions that you must take and the records you must keep to show that you are complying with the limits. The second column of Table A (Why to do it) lists the regulatory basis for these limits. Appendices included as conditions of your permit are listed in Table A under total facility requirements.

Subject Item: Total Facility

What to do	Why to do it
OPERATIONAL REQUIREMENTS	hdr
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
Air Pollution Control Equipment: Operate all pollution control equipment whenever the corresponding process equipment and emission units are operated.	Minn. R. 7007.0800, subp. 2; Minn. R. 7007.0800, subp. 16(J)
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, subps. 14 and 16(J)
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
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
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 and is not enforceable by the EPA Administrator or citizens under the Clean Air Act.	Minn. R. 7030.0010 - 7030.0080
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)
The Permittee shall comply with the General Conditions listed in Minn. R. 7007.0800, subp. 16.	Minn. R. 7007.0800, subp. 16
PERFORMANCE TESTING	hdr
Performance Testing: Conduct all performance tests in accordance with Minn. R. ch. 7017 unless otherwise noted in Tables A, B, and/or C.	Minn. R. ch. 7017
Performance Test Notifications and Submittals: Performance Tests are due as outlined in Table A of the permit. See Table B for additional testing requirements. Performance Test Notification (written): due 30 days before each Performance Test Performance Test 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 Performance Test Report - Microfiche Copy: due 105 days after each Performance Test The Notification, Test Plan, and Test Report may be submitted in an alternative format as allowed by Minn. R. 7017.2018.	Minn. R. 7017.2018; Minn. R. 7017.2030, subps. 1-4, Minn. R. 7017.2035, subps. 1-2
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
MONITORING REQUIREMENTS	hdr

TABLE A: LIMITS AND OTHER REQUIREMENTS**A-2**

10/25/12

Facility Name: Fergus Control Centers

Permit Number: 11100058 - 004

Monitoring Equipment Calibration: The Permittee shall calibrate all required monitoring equipment at least once every 12 months (any requirements applying to continuous emission monitors are listed separately in this permit).	Minn. R. 7007.0800, subp. 4(D)
Operation of Monitoring Equipment: Unless otherwise noted in Tables A, B, and/or C, 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)
RECORDKEEPING	hdr
Recordkeeping: Retain all records at the stationary source, unless 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)
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)
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
REPORTING/SUBMITTALS	hdr
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
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
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
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

TABLE A: LIMITS AND OTHER REQUIREMENTS**A-3**

10/25/12

Facility Name: Fergus Control Centers

Permit Number: 11100058 - 004

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.	Minn. R. 7007.1150 - 7007.1500
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)
Emission Inventory Report: due on or before April 1 of each calendar year following permit issuance, to be submitted on a form approved by the Commissioner.	Minn. R. 7019.3000 - 7019.3100
Emission Fees: due 60 days after receipt of an MPCA bill.	Minn. R. 7002.0005 - 7002.0095

TABLE A: LIMITS AND OTHER REQUIREMENTS**A-4** 10/25/12

Facility Name: Fergus Control Centers

Permit Number: 11100058 - 004

Subject Item: EU 001 Emergency backup natural gas engine**Associated Items:** SV 001 Natural gas engine exhaust

What to do	Why to do it
CONSTRUCTION AUTHORIZATION	hdr
The Permittee is authorized to install and operate the equipment described by EU 001. The unit shall meet all the requirements of this permit (e.g., EU 001).	Minn. R. 7007.0800, subp. 2
The construction authorization expires 18 months after permit issuance.	
EMISSION AND OPERATING LIMITS	hdr
Opacity: less than or equal to 20 percent opacity once operating temperatures have been attained.	Minn. R. 7011.2300, subp. 1
Sulfur Dioxide: less than or equal to 0.5 lbs/million Btu heat input . Potential to emit for this unit is 0.0006 lb/MMBtu due to equipment design and allowable fuels.	Minn. R. 7011.2300, subp. 2
Operating Hours: less than or equal to 500 hours/year using 12-month Rolling Sum to be calculated by the 15th day of each month. The Permittee shall maintain documentation on site that the unit is an emergency generator by design that qualifies under the U.S. EPA memorandum entitled "Calculating Potential to Emit (PTE) for Emergency Generators", dated September 6, 1995, limiting operation to 500 hours per year.	Minn. R. 7007.0800, subps. 2, 4, and 5
Fuel type: Natural gas only by design.	Minn. R. 7005.0100, subp. 35a
RECORDKEEPING REQUIREMENTS	hdr
Recordkeeping - Hours of Operation: The Permittee shall maintain documentation of hours of operation for EU 001.	Minn. R. 7007.0800, subps. 4 and 5
Reporting: Annually by January 30th the report of the previous 12 monthly 12-month rolling sum calculations on the emergency backup natural gas engine.	Minn. R. 7007.0800, subp. 6
The Permittee shall keep records of fuel type and usage on a monthly basis.	Minn. R. 7007.0800, subp. 5
NESHAP SUBPART ZZZZ APPLICABILITY	hdr
EU 001 is a new affected source as defined under 40 CFR pt. 63, subp. ZZZZ, and the facility is an area source as defined at 40 CFR Section 63.2. The Permittee shall meet the requirements of 40 CFR pt. 63, subp. ZZZZ by meeting the requirements of 40 CFR pt. 60, subp. JJJJ. No further requirements of 40 CFR pt. 63, subp. ZZZZ apply to EU 001.	40 CFR Section 63.6590(c); Minn. R. 7011.8150
NSPS SUBPART JJJJ EMISSION AND OPERATING LIMITS	hdr
Nitrogen Oxides: less than or equal to 10 grams/horsepower-hour . This emission limit applicable to EU 001 is in terms of Nitrogen Oxides + Hydrocarbons (NOx + HC).	40 CFR Section 60.4233(d); and Table 1 to Subpart JJJJ of Part 60; 40 CFR Section 63.6590(c); Minn. R. 7011.8150
Carbon Monoxide: less than or equal to 387 grams/horsepower-hour .	40 CFR Section 60.4233(d); and Table 1 to Subpart JJJJ of Part 60; 40 CFR Section 63.6590(c); Minn. R. 7011.8150
EU 001 may be operated 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, or the insurance company associated with the engine. Maintenance checks and readiness testing of EU 001 is limited to 100 hours per year. There is no time limit on the use of EU 001 in emergency situations.	40 CFR Section 60.4243(d); 40 CFR Section 63.6590(c); Minn. R. 7011.8150
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 ICE beyond 100 hours per year. EU 001 may operate up to 50 hours per year in non-emergency situations, but those 50 hours are counted towards the 100 hours per year provided for maintenance and testing.	
The 50 hours per year for non-emergency situations cannot be used for peak shaving 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. For the Permittee of emergency engines, any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as permitted in 40 CFR Section 60.4243, is prohibited.	40 CFR Section 60.4243(d); 40 CFR Section 63.6590(c); Minn. R. 7011.8150

TABLE A: LIMITS AND OTHER REQUIREMENTS**A-5** 10/25/12

Facility Name: Fergus Control Centers

Permit Number: 11100058 - 004

NSPS SUBPART JJJJ OPERATIONAL REQUIREMENTS	hdr
The Permittee shall operate and maintain the stationary SI RICE that achieves the emission standards as required in 40 CFR Section 60.4233 over the entire life of the engine.	40 CFR Section 60.4234; 40 CFR Section 63.6590(c); Minn. R. 7011.8150
The Permittee shall install a non-resettable hour meter upon startup of EU 001, if one is not already installed.	40 CFR Section 60.4237(c); 40 CFR Section 63.6590(c); Minn. R. 7011.8150
The Permittee shall operate and maintain the certified stationary SI RICE and control device according to the manufacturer's emission-related written instructions and keep records of conducted maintenance to demonstrate compliance. No performance testing is required if the Permittee is the owner or operator. The Permittee shall also meet the requirements as specified in 40 CFR pt. 1068, subps. A through D as applicable. If engine settings are adjusted according to and consistent with the manufacturer's instructions, your SI RICE will not be considered out of compliance.	40 CFR Section 60.4243(b)(1); 40 CFR Section 63.6590(c); Minn. R. 7011.8150
The Permittee shall comply with the applicable provisions of 40 CFR pt. 60, subp. A, as required by Table 3 of 40 CFR pt. 60, subp. JJJJ.	40 CFR Section 60.4246; 40 CFR Section 63.6590(c); Minn. R. 7011.8150
Notification of any physical or operational change which increases emission rate: due 60 days (or as soon as practical) before the change is commenced.	40 CFR Section 60.4246; and Table 3 to Subpart JJJJ of Part 60; 40 CFR Section 60.7(a)(4); 40 CFR Section 63.6590(c); Minn. R. 7011.8150; Minn. R. 7019.0100, subp. 1
No owner or operator shall build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard.	40 CFR Section 60.4246; and Table 3 to Subpart JJJJ of Part 60; 40 CFR Section 60.12; 40 CFR Section 63.6590(c); Minn. R. 7011.8150; Minn. R. 7011.0050
NSPS SUBPART JJJJ RECORDKEEPING REQUIREMENTS	hdr
The Permittee shall keep records of the the following information: (1) All notifications submitted to comply with 40 CFR pt. 60, subp. JJJJ and all documentation supporting any notification. (2) Maintenance conducted on the engine. (3) If the stationary SI RICE is a certified engine, documentation from the manufacturer that the engine is certified to meet the emission standards and information as required in 40 CFR pts. 90, 1048, 1054, and 1060 as applicable.	40 CFR Section 60.4245(a); 40 CFR Section 63.6590(c); Minn. R. 7011.8150
The Permittee shall keep records of the hours of operation of the engine that is 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.	40 CFR Section 60.4245(b); 40 CFR Section 63.6590(c); Minn. R. 7011.8150
Recordkeeping: Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of the facility including; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.	40 CFR Section 60.4246; 40 CFR Section 60.7(b); 40 CFR Section 63.6590(c); Minn. R. 7011.8150; Minn. R. 7019.0100, subp. 1
Recordkeeping: Maintain a file of all measurements, maintenance, reports and records for at least five years. 40 CFR Section 60.7(f) specifies two years.	40 CFR Section 60.4246; Minn. R. 7997.0800, subp. 5(C); meets requirements of 40 CFR Section 60.7(f); 40 CFR Section 63.6590(c); Minn. R. 7011.8150; Minn. R. 7019.0100, subp. 1

TABLE A: LIMITS AND OTHER REQUIREMENTS**A-6** 10/25/12

Facility Name: Fergus Control Centers

Permit Number: 11100058 - 004

Subject Item: EU 002 Emergency diesel engine**Associated Items:** SV 002 Diesel engine exhaust

What to do	Why to do it
EMISSION AND OPERATING LIMITS	hdr
Opacity: less than or equal to 20 percent opacity once operating temperatures have been attained.	Minn. R. 7011.2300, subp. 1
Sulfur Dioxide: less than or equal to 0.50 lbs/million Btu heat input . Potential to emit for this unit is 0.051 lb/MMBtu due to equipment design and allowable fuels.	Minn. R. 7011.2300, subp. 2
Sulfur Content of Fuel: less than or equal to 0.50 percent by weight .	Minn. R. 7007.0800, subp. 2
Operating Hours: less than or equal to 500 hours/year using 12-month Rolling Sum to be calculated by the 15th day of each month.	Title I Condition: To avoid major source classification under 40 CFR Section 70.2 and Minn. R. 7007.0200; Minn. R. 7007.0800, subps. 2, 4, and 5
Fuel type: Diesel fuel oil only by design.	Minn. R. 7005.0100, subp. 35a
RECORDKEEPING REQUIREMENTS	hdr
Reporting: Annually by January 30th, the report of the previous 12 monthly 12-month rolling sum calculations on the emergency diesel engine.	Title I Condition: To avoid major source classification under 40 CFR Section 70.2 and Minn. R. 7007.0200; Minn. R. 7007.0800, subp. 6
Fuel Supplier Certification: The Permittee shall obtain and maintain a fuel supplier certification for each shipment of Diesel fuel oil, certifying that the sulfur content does not exceed 0.50% by weight.	Minn. R. 7007.0800, subps. 4 & 5
The Permittee shall keep records of fuel type and usage on a monthly basis.	Minn. R. 7007.0800, subp. 5
NESHAP SUBPART ZZZZ APPLICABILITY	hdr
The Permittee shall comply with the applicable limitations from 40 CFR pt. 63, subp. ZZZZ, including those listed below, no later than May 3, 2013 or as amended by the U.S. EPA.	40 CFR Section 63.6595(a)(1); Minn. R. 7011.8150
NESHAP OPERATIONAL REQUIREMENTS	hdr
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 Section 63.6603; 40 CFR Section 63.6640; and Table 2d to subpart ZZZZ of Part 63; Minn. R. 7011.8150
Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary.	40 CFR Section 63.6603; 40 CFR Section 63.6640; and Table 2d to subpart ZZZZ of Part 63; Minn. R. 7011.8150
Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.	40 CFR Section 63.6603; 40 CFR Section 63.6640; and Table 2d to subpart ZZZZ of Part 63; Minn. R. 7011.8150
The Permittee shall be in compliance with the operating limitations that apply at all times.	40 CFR Section 63.6605(a); Minn. R. 7011.8150
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 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 Section 63.6605(b); Minn. R. 7011.8150
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 Section 63.6625(e); Minn. R. 7011.8150
The Permittee shall install a non-resettable hour meter upon Permit issuance, if one is not already installed.	Title I Condition: To avoid major source classification under 40 CFR Section 70.2 and Minn. R. 7007.0200; 40 CFR Section 63.6625(f); Minn. R. 7011.8150
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 Section 63.6625(h); Minn. R. 7011.8150

TABLE A: LIMITS AND OTHER REQUIREMENTS**A-7** 10/25/12

Facility Name: Fergus Control Centers

Permit Number: 11100058 - 004

<p>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 3 parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base 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.</p> <p>(continued below)</p>	40 CFR Section 63.6625(i); Minn. R. 7011.8150
<p>(continued from above)</p> <p>If none of the condemning limits are exceeded, the Permittee is not required to change the oil. If any of the limits are exceeded, the Permittee 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.</p>	40 CFR Section 63.6625(i); Minn. R. 7011.8150
<p>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.</p>	40 CFR Section 63.6640(a); 40 CFR Section 63.6655(d); 40 CFR pt. 63 subp. ZZZZ, Table 6
<p>The Permittee shall comply with the applicable provisions of 40 CFR pt. 63, subp. A, as required by Table 8 of 40 CFR pt. 63, subp. ZZZZ.</p>	40 CFR Section 63.6665; Minn. R. 7011.8150
<p>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:</p> <ol style="list-style-type: none"> 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; 2. The use of gaseous diluents to achieve compliance with a relevant standard for visible emissions. 	40 CFR Section 63.6665; 40 CFR Section 63.4(b); Minn.R. 7011.7000
NESHAP REQUIREMENTS FOR EMERGENCY STATIONARY RICE	hdr
<p>The Permittee shall operate the emergency stationary RICE according to the requirements in paragraphs 40 CFR Section 63.6640 (f)(1)(i) through (iii). Any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as described in 40 CFR Section 63.6640(f)(i) through (iii), is prohibited. If the engine is not operated according to the requirements in 40 CFR Section 63.6640(f)(1)(i) through (iii), the engine will not be considered an emergency engine under 40 CFR pt. 63, subp. ZZZZ and will need to meet all requirements for non-emergency engines.</p>	40 CFR Section 63.6640(f)(1); Minn. R. 7011.8150
<p>(i) There is no time limit on the use of emergency stationary RICE in emergency situations.</p> <p>(ii) The Permittee shall 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, or the insurance company associated with the engine. Maintenance checks and readiness testing of such units is limited to 100 hours per year. 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 year.</p>	40 CFR Section 63.6640(f)(1)(i) - (ii); Minn. R. 7011.8150
<p>(iii) The Permittee shall 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 year provided for maintenance and testing. The 50 hours per year for non-emergency situations cannot be used for peak shaving 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; except that the Permittee may operate the emergency engine for a maximum of 15 hours per year as part of a demand response program if the regional transmission organization or equivalent balancing authority and transmission operator has determined there are emergency conditions that could lead to a potential electrical blackout, such as unusually low frequency, equipment overload, capacity or energy deficiency, or unacceptable voltage level.</p> <p>(continued below)</p>	40 CFR Section 63.6640(f)(1)(iii); Minn. R. 7011.8150

TABLE A: LIMITS AND OTHER REQUIREMENTS**A-8**

10/25/12

Facility Name: Fergus Control Centers

Permit Number: 11100058 - 004

(continued from above)	40 CFR Section 63.6640(f)(1)(iii); Minn. R. 7011.8150
The engine may not be operated for more than 30 minutes prior to the time when the emergency condition is expected to occur, and the engine operation shall be terminated immediately after the facility is notified that the emergency condition is no longer imminent. The 15 hours per year of demand response operation are counted as part of the 50 hours of operation per year provided for non-emergency situations. The supply of emergency power to another entity or entities pursuant to financial arrangement is not limited by this paragraph, as long as the power provided by the financial arrangement is limited to emergency power.	
NESHAP RECORDKEEPING REQUIREMENTS	hdr
The Permittee shall keep the following records: 1) A copy of each notification and report submitted to comply with 40 CFR pt. 63, subp. ZZZZ, including all documentation supporting any Initial Notification or Notification of Compliance Status submitted according to the requirement in 40 CFR Section 63.10(b)(2)(xiv). 2) Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment. 3) Records of performance tests and performance evaluations as required in 40 CFR Section 63.10(b)(2)(viii). 4) Records of all required maintenance performed on the air pollution control and monitoring equipment; and 5) Records of actions taken during periods of malfunction to minimize emissions in accordance with 40 CFR Section 63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.	40 CFR Section 63.6665(a); Minn. R. 7011.8150
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 Section 63.6655(e); Minn. R. 7011.8150
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 demand response operation, the Permittee shall keep records of the notification of the emergency situation, and the time the engine was operated as part of demand response.	Title I Condition: To avoid major source classification under 40 CFR Section 70.2 and Minn. R. 7007.0200; 40 CFR Section 63.6655(f); Minn. R. 7011.8150
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.	40 CFR Section 63.6660; 40 CFR Section 63.10(b)(1); Minn. R. 7011.8150
NESHAP REPORTING AND NOTIFICATION REQUIREMENTS	hdr
The Permittee shall report each instance in which the stationary RICE did not meet each applicable operating limitation. These instances are deviations from the operating limitations. These deviations shall be reported with the deviations report required by Table A (listed at the Total Facility level) and B of this permit.	40 CFR Section 63.6640(b); 40 CFR Section 63.6650(f); Minn. R. 7011.8150

TABLE B: SUBMITTALS**B-1** 10/25/12

Facility Name: Fergus Control Centers
Permit Number: 11100058 - 004

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

- accumulated insignificant activities,
- installation of control equipment,
- replacement of an emissions unit, and
- changes that contravene a permit term.

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

Mr. George Czerniak
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 parts 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 any application for a permit or permit amendment to:

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

Table B lists most of the submittals required by this permit. Please note that some submittal requirements may appear in Table A or, if applicable, within a compliance schedule located in Table C. Table B is divided into two sections in order to separately list one-time only and recurrent submittal requirements.

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

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

TABLE B: ONE TIME SUBMITTALS OR NOTIFICATIONS

Facility Name: Fergus Control Centers
Permit Number: 11100058 - 004

What to send	When to send	Portion of Facility Affected
Notification of the Actual Date of Initial Startup	due 15 days after Initial Startup.	EU001
Notification of the Date Construction Began	due 30 days after Start Of Construction. Submit the name and number of each unit and the date construction of each unit began.	EU001

TABLE B: RECURRENT SUBMITTALS**B-3** 10/25/12

Facility Name: Fergus Control Centers

Permit Number: 11100058 - 004

What to send	When to send	Portion of Facility Affected
Semiannual Deviations Report	due 30 days after end of each calendar half-year following Permit Issuance. 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. If no deviations have occurred, the Permittee shall submit the report stating no deviations.	Total Facility
Compliance Certification	due 31 days after end of each calendar year following Permit Issuance (for the previous calendar year). The Permittee shall submit this to the Commissioner on a form approved by the Commissioner. This report covers all deviations experienced during the calendar year.	Total Facility