

DRAFT/PROPOSED

AIR EMISSION PERMIT NO. 08500013-004
Part 70 Reissuance

IS ISSUED TO

Glencoe Light & Power Commission

GLENCOE LIGHT & POWER COMMISSION
305 11th Street East
Glencoe, McLeod County, Minnesota 55336

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. 08500013-003, and authorizes the Permittee to operate 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 SIP under 40 CFR § 52.1220 and as such as are enforceable by U.S. Environmental Protection Agency (EPA) Administrator or citizens under the Clean Air Act.

Permit Type: Part 70/Limits to Avoid New Source Review

Operating Permit Issue Date: <issue date>

Expiration Date: 5-year expiration – 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

Permit Applications Table

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Total Facility Operating Permit Reissuance	8/5/2010	004

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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:

Glencoe Light & Power Commission own and operate a municipal electrical plant in Glencoe, Minnesota. The plant provides backup electrical generation for times when their wholesale supplier loses power, or when their wholesale supplier is experiencing peak demand periods. Power is generated by four generators of varying size burning diesel by design and four dual fuel generators of various size. All generators are classified as compression ignition reciprocating internal combustion engines (CI-RICE). The primary pollutant of concern at this facility is Nitrogen Oxide. The equipment at the facility does not utilize any control equipment to limit emissions.

This permit is a reissuance of the part 70 operating permit.

TABLE A: LIMITS AND OTHER REQUIREMENTS

A-1 03/13/13

Facility Name: Glencoe Light & Power Commission

Permit Number: 08500013 - 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
SOURCE-SPECIFIC REQUIREMENTS	hdr
Permit Appendices: This permit contains appendices as listed in the permit Table of Contents. The Permittee shall comply with all requirements contained in Appendix II: Insignificant Activities and Applicable Requirements. Modeling parameters in Appendix I: Stack Parameters for Modeling are included for reference only as described elsewhere in Table A.	Minn. R. 7007.0800, subp. 2
OPERATIONAL REQUIREMENTS	hdr
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 7009.0080. Compliance shall be demonstrated upon written request by the MPCA.	40 CFR pt. 50; Minn. Stat. Section 116.07, subds. 4a & 9; Minn. R. 7007.0100, subp. 7(A), 7(L), & 7(M); Minn. R. 7007.0800, subps. 1, 2 & 4; Minn. R. 7009.0010-7009.0080
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 and B.	Minn. R. ch. 7017

TABLE A: LIMITS AND OTHER REQUIREMENTS**A-2** 03/13/13

Facility Name: Glencoe Light & Power Commission

Permit Number: 08500013 - 004

<p>Performance Test Notifications and Submittals:</p> <p>Performance Tests are due as outlined in Table A of the permit. See Table B for additional testing requirements.</p> <p>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</p> <p>The Notification, Test Plan, and Test Report may be submitted in an alternative format as allowed by Minn. R. 7017.2018.</p>	<p>Minn. R. 7017.2018; Minn. R. 7017.2030, subps. 1-4, Minn. R. 7017.2035, subps. 1-2</p>
<p>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.</p>	<p>Minn. R. 7017.2025, subp. 3</p>
MONITORING REQUIREMENTS	hdr
<p>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).</p>	<p>Minn. R. 7007.0800, subp. 4(D)</p>
<p>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.</p>	<p>Minn. R. 7007.0800, subp. 4(D)</p>
MODELING REQUIREMENTS	hdr
<p>The parameters used in NOx modeling are listed in Appendix I 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.</p>	<p>Minn. Stat. Section 116.07, subds. 4a & 9; Minn. R. 7007.0100, subp. 7(A), 7(L), & 7(M); Minn. R. 7007.0800, subps. 1, 2 & 4; Minn. R. 7009.0010-7009.0080</p>
<p>Modeling Triggers: For changes that do not require a permit amendment and affect any modeled parameter or emission rate documented in Appendix I, or are an addition to the information documented in Appendix I, a Remodeling Submittal requirement is not triggered at the time of the change. The Permittee shall keep updated records on site of all parameters and emission rates. The Permittee shall submit any changes to parameters and emission rates with the next required Remodeling Submittal.</p> <p>For changes that require a minor, moderate, or major permit amendment and affect any modeled parameter or emission rate documented in Appendix I, or are an addition to the information documented in Appendix I, a Remodeling Submittal requirement is triggered. The Permittee shall include previously made changes to parameters and emission rates that did not trigger a Remodeling Submittal.</p>	<p>Minn. Stat. Section 116.07, subds. 4a & 9; Minn. R. 7007.0100, subp. 7(A), 7(L), & 7(M); Minn. R. 7007.0800, subps. 1, 2 & 4; Minn. R. 7009.0010-7009.0080</p>
<p>Remodeling Submittal: The Permittee must submit to the Commissioner for approval changes meeting the above criteria and must wait for a written approval before making such changes. For minor amendments, written approval of the modeling may be given before permit issuance; however, this approval applies only to the modeling and not to any other changes. The information submitted must include, for stack and vent sources, source emission rate, location, height, diameters, exit velocity, exit temperature, discharge direction, use of rain caps or rain hats, and, if applicable, locations and dimensions of nearby buildings. For non-stack/vent sources, this includes the source emission rate, location, size and shape, release height, and, if applicable, any emission rate scalars, and the initial lateral dimensions and initial vertical dimensions and adjacent building heights.</p>	<p>Minn. Stat. Section 116.07, subds. 4a & 9; Minn. R. 7007.0100, subp. 7(A), 7(L), & 7(M); Minn. R. 7007.0800, subps. 1, 2 & 4; Minn. R. 7009.0010-7009.0080</p>
<p>Remodeling Submittal, continued: The plume dispersion characteristics due to the revisions of the information must be equivalent to or better than the dispersion characteristics modeled November 10, 2004. The Permittee shall demonstrate this equivalency in the proposal. If the information does not demonstrate equivalent or better dispersion characteristics, or if a conclusion cannot readily be made about the dispersion, the Permittee must submit full remodeling.</p>	<p>Minn. Stat. Section 116.07, subds. 4a & 9; Minn. R. 7007.0100, subp. 7(A), 7(L), & 7(M); Minn. R. 7007.0800, subps. 1, 2 & 4; Minn. R. 7009.0010-7009.0080</p>

TABLE A: LIMITS AND OTHER REQUIREMENTS**A-3** 03/13/13

Facility Name: Glencoe Light & Power Commission

Permit Number: 08500013 - 004

Modeling at Reissuance: The Permittee shall submit an assessment with the reissuance application (due as stated elsewhere in this permit) that addresses any changes made during the permit term that did not require a permit amendment but that affected any modeled parameter or emission rate (including adding sources beyond those documented in Appendix I) and were not assessed in a later modeling submittal. The information in this submittal shall be the same as listed in the requirement entitled "Remodeling Submittal".	Minn. Stat. Section 116.07, subds. 4a & 9; Minn. R. 7007.0100, subp. 7(A), 7(L), & 7(M); Minn. R. 7007.0800, subps. 1, 2 & 4; Minn. R. 7009.0010-7009.0080
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-4**

03/13/13

Facility Name: Glencoe Light & Power Commission

Permit Number: 08500013 - 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-5** 03/13/13

Facility Name: Glencoe Light & Power Commission

Permit Number: 08500013 - 004

Subject Item: GP 001 Electric Generators

Associated Items: EU 005 Engine #5 Fairbanks-Morse 1360 kW
 EU 007 Engine #7 Enterprise 4100 kW
 EU 008 Engine #8 Cooper-Bessemer 5600 kW
 EU 009 Engine #9 Enterprise 7150 kW
 EU 010 Engine #10 Enterprise 7060 kW
 EU 011 Engine #11 Caterpillar 4840 kW
 EU 012 Engine #12 Caterpillar 4840 kW
 EU 014 Engine #14 Caterpillar 4840 kW

What to do	Why to do it
EMISSION 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.	Minn. R. 7011.2300, subp. 2
OPERATING CONDITIONS	hdr
Operating Hours: less than or equal to 348.34 hours/year based on a 12-month rolling sum. This applies to each engine individually. This limits GP 001 NOx emissions to 240 tons per year over the 12 month rolling period.	Title I Condition: To avoid classification as major source under 40 CFR Section 52.21 & Minn. R. 7007.3000
MONITORING AND RECORDKEEPING REQUIREMENTS	hdr
Operating Hours Monitoring and Recordkeeping: The Permittee shall monitor and record daily operating hours for each GP 001 emission unit.	Title I Condition: To avoid classification as a major source under 40 CFR Section 52.21 & Minn. R. 7007.3000
Recordkeeping - Operating Hours: By the 15th day of each month the Permittee shall determine and separately record for each GP 001 emission unit: A) The monthly operating hours for the previous month; and B) The 12-month rolling sum operating hours for the previous 12-month period by summing the monthly operating hours for the previous 12 calendar months.	Minn. R. 7007.0800, subps. 4 and 5
The Permittee shall keep records of fuel type and usage on a monthly basis.	Minn. R. 7007.0800, subp. 5
Fuel Supplier Certification: The Permittee shall obtain and maintain a fuel supplier certification for each shipment of diesel fuel, certifying that the sulfur content does not exceed 0.495% by weight. If the Permittee uses the same diesel fuel in EUs 005 through EU 010 as used in the Acid Rain units (EUs 011, 012, and 014), the Permittee can determine sulfur content of diesel fuel combusted in EUs 005 through EU 010 according to the requirements of 40 CFR Section 72.7(d)(3).	Minn. R. 7007.0800, subps. 4 & 5
Additional requirements are located in Groups 003 and 004 and at the EU 010 level for these emission units.	hdr
NESHAP ZZZZ REQUIREMENTS	hdr
Requirements under 40 CFR pt. 63, subp. ZZZZ: National Emission Standards for Reciprocating Internal Combustion Engines	
The Permittee shall comply with the applicable emission and operational limitations from 40 CFR pt. 63, subp. ZZZZ no later than May 3, 2013.	40 CFR Section 63.6595(a)(1); Minn. R. 7011.8150
EMISSION AND OPERATIONAL LIMITS	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

TABLE A: LIMITS AND OTHER REQUIREMENTS**A-6** 03/13/13

Facility Name: Glencoe Light & Power Commission

Permit Number: 08500013 - 004

Beginning January 1, 2015, if you own or operate an existing emergency CI stationary RICE with a site rating of more than 100 brake HP and a displacement of less than 30 liters per cylinder that uses diesel fuel and operates or is contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in 40 CFR Section 63.6640(f)(2)(ii) and (iii) or that operates for the purpose specified in 40 CFR Section 63.6640(f)(4)(ii), the Permittee must use diesel fuel that meets the requirements in 40 CFR 80.510(b) for nonroad diesel fuel, except that any existing diesel fuel purchased (or otherwise obtained) prior to January 1, 2015, may be used until depleted.	40 CFR Section 63.6604(b); Minn. R. 7011.8150
The Permittee shall be in compliance with the emission limitations, operating limitations, and other requirements in 40 CFR pt. 63, subp. ZZZZ 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 if one is not already installed by May 3, 2013.	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
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. (continued below)	40 CFR Section 63.6625(i); Minn. R. 7011.8150
(continued from above) 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 business 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 business 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 Section 63.6625(i); Minn. R. 7011.8150
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 Section 63.6640(a); 40 CFR pt. 63 subp. ZZZZ, Table 6
The Permittee shall comply with the General Provisions in 40 CFR Section 63.1 through 63.15, as applicable.	40 CFR Section 63.6665 and Table 8 to Subpart ZZZZ of Part 63; 40 CFR Section 63.1 through 63.15; Minn. R. 7011.8150
The Permittee may not operate any affected source in violation of the requirements of 40 CFR pt. 63, subp. A. The Permittee shall not fail to keep records, notify, report or revise reports as required under this part.	40 CFR Section 63.4(a)

TABLE A: LIMITS AND OTHER REQUIREMENTS**A-7** 03/13/13

Facility Name: Glencoe Light & Power Commission

Permit Number: 08500013 - 004

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; 2. The use of gaseous diluents to achieve compliance with a relevant standard for visible emissions.	40 CFR Section 63.4(b)
REQUIREMENTS FOR EMERGENCY STATIONARY RICE	hdr
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, 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)(1), (2) and (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 Section 63.6640(f); Minn. R. 7011.8150
(1) There is no time limit on the use of emergency stationary RICE in emergency situations. (2) The Permittee may operate for any combination of purposes specified in 40 CFR Section 63.6640(f)(2)(i) through (iii) for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by 40 CFR Section 63.6640(f) (4) counts as part of the 100 hours. (continued below)	40 CFR Section 63.6640(f)(1) and (2); Minn. R. 7011.8150
(continued from above) (i) 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, 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. (continued below)	40 CFR Section 63.6640(f)(1) and (2); Minn. R. 7011.8150
(continued from above) (ii) Emergency stationary RICE may be operated for emergency demand response for periods in which the Reliability Coordinator under the North American Electric Reliability Corporation (NERC) Reliability Standard EOP-002-3, Capacity and Energy Emergencies, or other authorized entity as determined by the Reliability Coordinator, has declared an Energy Emergency Alert Level 2 as defined in the NERC Reliability Standard EOP-002-3. (iii) Emergency stationary RICE may be operated for periods where there is a deviation of voltage or frequency of 5 percent or greater below standard voltage or frequency.	40 CFR Section 63.6640(f)(1) and (2); Minn. R. 7011.8150
The engines may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing and emergency demand response provided in 40 CFR Section 63.6640(f)(2). Except as provided in 40 CFR Section 63.6640(f)(4)(i) and (ii), 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 an electric grid or otherwise supply power as part of a financial arrangement with another entity. (continued below)	40 CFR Section 63.6640(f)(4); Minn. R. 7011.8150
(continued from above) (i) Prior to May 3, 2014, the 50 hours per year for non-emergency situations can be used for peak shaving or non-emergency demand response to generate income for a facility, or to otherwise supply power as part of a financial arrangement with another entity if the engine is operated as part of a peak shaving (load management program) with the local distribution system operator and the power is provided only to the facility itself or to support the local distribution system. (continued below)	40 CFR Section 63.6640(f)(4); Minn. R. 7011.8150

TABLE A: LIMITS AND OTHER REQUIREMENTS**A-8** 03/13/13

Facility Name: Glencoe Light & Power Commission

Permit Number: 08500013 - 004

(continued from above) (ii) The 50 hours per year for non-emergency situations can be used to supply power as part of a financial arrangement with another entity if all of the following conditions are met: (A) The engine is dispatched by the local balancing authority or local transmission and distribution system operator. (B) The dispatch is intended to mitigate local transmission and/or distribution limitations so as to avert potential voltage collapse or line overloads that could lead to the interruption of power supply in a local area or region. (C) The dispatch follows reliability, emergency operation or similar protocols that follow specific NERC, regional, state, public utility commission or local standards or guidelines. (continued below)	40 CFR Section 63.6640(f)(4); Minn. R. 7011.8150
(continued from above) (D) The power is provided only to the facility itself or to support the local transmission and distribution system. (E) The owner or operator identifies and records the entity that dispatches the engine and the specific NERC, regional, state, public utility commission or local standards or guidelines that are being followed for dispatching the engine. The local balancing authority or local transmission and distribution system operator may keep these records on behalf of the engine owner or operator.	40 CFR Section 63.6640(f)(4); Minn. R. 7011.8150
RECORDKEEPING REQUIREMENTS	hdr
The Permittee shall demonstrate continuous compliance with each emission limitation, operating limitation, and other requirements in Table 2d of 40 CFR pt. 63, subp. ZZZZ that apply according to methods specified in Table 6 of 40 CFR pt. 63, subp. ZZZZ.	40 CFR Section 63.6640(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 purposes specified in 40 CFR Sections 63.6640(f)(2)(ii) or (iii) or 63.6640(f)(4)(ii), 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 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
REPORTING AND NOTIFICATION REQUIREMENTS	hdr
The Permittee shall report each instance in which the stationary RICE did not meet each applicable emission limitation or 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 Section 63.6640(b); Minn. R. 7011.8150

TABLE A: LIMITS AND OTHER REQUIREMENTS**A-9** 03/13/13

Facility Name: Glencoe Light & Power Commission

Permit Number: 08500013 - 004

Subject Item: GP 003 New Unit Exempt Electric Generators**Associated Items:** EU 011 Engine #11 Caterpillar 4840 kW

EU 012 Engine #12 Caterpillar 4840 kW

EU 014 Engine #14 Caterpillar 4840 kW

What to do	Why to do it
The requirements in GP 003 apply to each emission unit individually.	hdr
EMISSIONS AND OPERATING LIMITS	hdr
Fuel Type: Diesel fuel, by design.	40 CFR Section 72.7(a)(2); Minn. R. 7007.1075; Minn. R. 7005.0100, subp. 35a
Sulfur Content of Fuel: less than or equal to 0.05 percent by weight on an annual average.	40 CFR Section 72.7(a)(3); Minn. R. 7007.1075
MONITORING AND RECORDKEEPING	hdr
<p>Average Annual Sulfur Content Determination</p> <p>The Permittee shall calculate the annual average sulfur content, as a percentage by weight, using the equation in 40 CFR Section 72.7(d)(2). In lieu of the factor, volume times density, in the equation, the factor, mass (Mn), may be used, where Mn is: mass of the nongaseous fuel in a delivery during the year to the unit of which the nth sample is taken, in lb.</p> <p>Fuel shall be sampled at least once for every delivery.</p>	40 CFR Section 72.7(d)(3); Minn. R. 7007.1075
<p>For a period of 5 years from the date the records are created, the Permittee shall retain at the source records demonstrating that the requirements of 40 CFR Section 72.7(a) are met. The 5-year period for keeping records may be extended for cause, at any time prior to the end of the period, in writing by the Administrator or the permitting authority.</p> <p>(i) Such records shall include, for each delivery of fuel to the unit, the type of fuel, the sulfur content, and the sulfur content of each sample taken.</p> <p>(ii) The Permittee bears the burden of proof that the requirements of 40 CFR Section 72.7(a) are met.</p>	40 CFR Section 72.7(f)(3); Minn. R. 7007.1075
<p>Loss of exemption. An exempt unit shall be treated as an affected unit under the Acid Rain Program on the earliest of the following dates:</p> <p>(A) The date on which the unit first serves one or more generators with total nameplate capacity in excess of 25 MWe (megawatt electrical);</p> <p>(B) The date on which the unit burns any coal or coal-derived fuel except for coal-derived gaseous fuel with a total sulfur content no greater than natural gas; or</p> <p>(C) January 1 of the year following the year in which the annual average sulfur content for gaseous fuel burned at the unit exceeds 0.050 percent by weight (as determined under 40 CFR Section 72.7(d)).</p>	40 CFR Section 72.7(f)(4)(i); Minn. R. 7007.1075
Additional requirements are included in GP 001.	hdr

TABLE A: LIMITS AND OTHER REQUIREMENTS**A-10**

03/13/13

Facility Name: Glencoe Light & Power Commission

Permit Number: 08500013 - 004

Subject Item: GP 004 Dual Fuel Generators**Associated Items:** EU 005 Engine #5 Fairbanks-Morse 1360 kW

EU 007 Engine #7 Enterprise 4100 kW

EU 008 Engine #8 Cooper-Bessemer 5600 kW

EU 009 Engine #9 Enterprise 7150 kW

What to do	Why to do it
Fuel Type: Natural gas and diesel fuel only.	Title I Condition: To avoid classification as a major source under 40 CFR 52.21 & Minn. R. 7007.3000; Minn. R. 7005.0100, subp. 35a
The Permittee shall keep records of fuel type and usage on a monthly basis.	Minn. R. 7007.0800, subp. 5
Fuel Supplier Certification: The Permittee shall obtain and maintain a fuel supplier certification for each shipment of diesel fuel, certifying that the sulfur content does not exceed 0.495% by weight. If the Permittee uses the same diesel fuel in EUs 005 through EU 010 as used in the Acid Rain units (EUs 011, 012, and 014), the Permittee can determine sulfur content of diesel fuel combusted in EUs 005 through EU 010 according to the requirements of 40 CFR Section 72.7(d)(3).	Minn. R. 7007.0800, subps. 4 & 5
Additional requirements are included in GP 001.	hdr

TABLE A: LIMITS AND OTHER REQUIREMENTS**A-11** 03/13/13

Facility Name: Glencoe Light & Power Commission

Permit Number: 08500013 - 004

Subject Item: EU 010 Engine #10 Enterprise 7060 kW**Associated Items:** GP 001 Electric Generators

SV 006 Engine #10

What to do	Why to do it
Fuel type: Diesel fuel only by design.	Title I Condition: To avoid classification as a major source under 40 CFR 52.21 & Minn. R. 7007.3000; Minn. R. 7005.0100, subp. 35a
The Permittee shall keep records of fuel type and usage on a monthly basis.	Minn. R. 7007.0800, subp. 5
Fuel Supplier Certification: The Permittee shall obtain and maintain a fuel supplier certification for each shipment of diesel fuel, certifying that the sulfur content does not exceed 0.495% by weight. If the Permittee uses the same diesel fuel in EU 010 as used in the Acid Rain units (EUs 011, 012, and 014), the Permittee can determine sulfur content of diesel fuel combusted in EUs 005 through EU 010 according to the requirements of 40 CFR Section 72.7(d)(3).	Minn. R. 7007.0800, subps. 4 & 5
Additional requirements are included in GP 001.	hdr

TABLE A: LIMITS AND OTHER REQUIREMENTS**A-12** 03/13/13

Facility Name: Glencoe Light & Power Commission

Permit Number: 08500013 - 004

Subject Item: EU 013 Boiler #1**Associated Items:** SV 007 Boiler

What to do	Why to do it
OPERATIONAL REQUIREMENTS	hdr
Total Particulate Matter: less than or equal to 0.40 lbs/million Btu heat input . The potential emissions for this boiler utilizing diesel as the fuel source is 0.236 lbs/million Btu heat input.	Minn. R. 7011.0515, sub. 1
Opacity: less than or equal to 20 percent opacity except for one six-minute period per hour of not more than 60 percent opacity.	Minn. R. 7011.0515, subp. 2
OPERATING CONDITIONS	hdr
Fuel Types: Natural gas or diesel, by design.	Minn. R. 7005.0100, subp. 35a
RECORDKEEPING	hdr
Fuel Records: The Permittee shall keep records of fuel purchases for the facility on a monthly basis.	Minn. R. 7007.0800, subp. 5
NESHAP JJJJJ RREQUIREMENTS Requirements under 40 CFR pt. 63, subp. JJJJJ: National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers Area Sources Enforcement not delegated to MPCA.	hdr
NESHAP OPERATIONAL REQUIREMENTS	hdr
The Permittee must comply with the requirement to conduct a tune-up according to 40 CFR Section 63.11223(b) no later than March 21, 2014.	40 CFR Section 63.11196(a)(1)
At all times the Permittee must operate and maintain affected boilers, 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 Section 63.11205(a)
The Permittee must demonstrate initial compliance with each applicable work practice standard, management practice, or emission reduction measure no later than March 21, 2014 and according to the applicable provisions in 40 CFR Section 63.7(a)(2).	40 CFR Section 63.11210(c)
The Permittee must conduct an initial tune-up as specified in 40 CFR Section 63.11214 and a tune-up every 5 years as specified in 40 CFR Section 63.11223 for each boiler and keep records as required in 40 CFR Section 63.11225(c) to demonstrate continuous compliance. Each tune-up must be conducted no more than 61 months after the previous tune-up	40 CFR Section 63.11201(b); 40 CFR Section 63.11223(a); 40 CFR Section 63.11223(e); 40 CFR Section 63, subp. JJJJJ, Table 2
The Permittee must conduct a tune-up of the boiler every 5 years to demonstrate continuous compliance as specified in (1) through (7) as follows: (1) 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, not to exceed 72 months from the previous inspection). (2) 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. (3) 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, not to exceed 72 months from the previous inspection). (continued below)	40 CFR Section 63.11223(b) and (e)

TABLE A: LIMITS AND OTHER REQUIREMENTS**A-13** 03/13/13

Facility Name: Glencoe Light & Power Commission

Permit Number: 08500013 - 004

(continued from above) (4) Optimize total emissions of CO. This optimization should be consistent with the manufacturer's specifications, if available, and with any nitrogen oxide requirement to which the unit is subject. (5) 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). (continued below)	40 CFR Section 63.11223(b) and (e)
(continued from above) (6) Maintain on-site and submit, if requested by the Administrator, a report containing the information in (i) through (iii) as follows: (i) 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. (ii) A description of any corrective actions taken as a part of the tune-up of the boiler. (iii) The type and amount of fuel used over the 12 months prior to the tune-up of the boiler, 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 use by each unit. (7) If the unit is not operating on the required date for a tune-up, the tune-up must be conducted within 30 days of startup.	40 CFR Section 63.11223(b)
The standards in 40 CFR Section 63.11201 apply at all times the affected boilers are operating, except during periods of startup and shutdown as defined in 40 CFR Section 63.11237, during which time the Permittee must comply only with Table 2 to 40 CFR pt. 63, subp. JJJJJJ.	40 CFR Section 63.11201(d)
The Permittee must comply with the General Provisions as applicable in Table 8 of 40 CFR pt. 63, subp. JJJJJJ.	40 CFR Section 63.11235; 40 CFR pt. 63 subp. JJJJJJ, Table 8
NESHAP RECORDKEEPING	hdr
The Permittee must maintain the following records: (1) A copy of each notification and report that was submitted to comply with 40 CFR pt. 63, subp. JJJJJJ, including all documentation supporting any Initial Notification or Notification of Compliance Status that was submitted, as required by 40 CFR Section 63.10(b)(2)(xiv); (2) Records to document conformance with 40 CFR Sections 63.11214 and 63.11223 as specified as follows: (i) Records must identify each boiler, the date of tune-up, the procedures followed for tune-up, and the manufacturer's specifications to which the boiler was tuned. (continued below)	40 CFR Section 63.11225(c)
(continued from above) (4) Records of the occurrence and duration of each malfunction of each boiler or of the associated air pollution control and monitoring equipment. (5) Records of actions taken during periods of malfunction to minimize emissions in accordance with the general duty to minimize emissions in 40 CFR Section 63.11205(a), including corrective actions to restore the malfunctioning boiler, air pollution control, or monitoring equipment to its normal or usual manner of operation. (continued below)	40 CFR Section 63.11225(c)
(continued from above) (6) Records of all inspection and monitoring data as required by 40 CFR Sections 63.11221 and 63.11222, and the information identified below for each required inspection or monitoring: (i) The date, place, and time of the monitoring event; (ii) Person conducting the monitoring. (iii) Technique or method used; Operating conditions during the activity; (v) Results, including the date, time, and duration of the period from the time the monitoring indicated a problem to the time that monitoring indicated proper operation; (vi) Maintenance or corrective action taken (if applicable).	40 CFR Section 63.11225(c)
Records must be in a form suitable and readily available for expeditious review. The Permittee must keep each record for 5 years following the date of each recorded action. The Permittee must keep each record on-site or be accessible from a central location by computer or other means that instantly provide access at the site for at least 2 years after the date of each recorded action. The Permittee may keep the records off site for the remaining 3 years.	40 CFR Section 63.11225(d)
REPORTING AND NOTIFICATION REQUIREMENTS	hdr

TABLE A: LIMITS AND OTHER REQUIREMENTS**A-14**

03/13/13

Facility Name: Glencoe Light & Power Commission

Permit Number: 08500013 - 004

<p>The Permittee must prepare by March 1 of each year, and submit to the Administrator upon request, a 5-year compliance certification report for the previous calendar year containing the information described below.</p> <p>(1) Company name and address (2) Statement by a responsible official, with the official's name, title, phone number, e-mail address, and signature, certifying the truth, accuracy, and completeness of the notification and a statement of whether the source has complied with all the relevant standards and other requirements of 40 CFR pt. 63, subp. JJJJJJ. The notification must include the following certifications of compliance, as applicable, and signed by a responsible official. (i) "This facility complies with the requirements in 40 CFR Section 63.11223 to conduct a 5-year tune-up of each boiler." (continued below)</p>	40 CFR Sections 63.11225(b)
<p>continued from above) (ii) "This facility complies with the requirement in 40 CFR Section 63.11214(d) and 63.11223(g) to minimize the boiler's time spent during startup and shutdown and to conduct startups and shutdowns according to the manufacturer's recommended procedures or procedures specified for a boiler of similar design if manufacturer's recommended procedures are not available."</p>	40 CFR Sections 63.11225(b)
<p>Notification of compliance status: due 120 days after March 21, 2014. The notification must include the following certifications of compliance, as applicable and signed by a responsible official: (i) The Permittee must submit the information require in 40 CFR Section 63.9(h)(2), except the information listed in 40 CFR Section 63.9(h)(2)(i)(B), (D), (E) and (F). If the Permittee conducts any performance tests or CMS performance evaluations, the Permittee must submit that data as specified in paragraph (e) of this section. If you conduct any opacity or visible emission observations, or other monitoring procedures or methods, the Permittee must submit that data to the Administrator at the appropriate address listed in 40 CFR Section 63.13. (continued below)</p>	40 CFR Section 63.11225(a)(4)
<p>(continued from above) (ii) "This facility complies with the requirements in 40 CFR Section 63.11214 to conduct an initial tune-up of the boiler." (iii) The notification must be submitted electronically using the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through EPA's Central Data Exchange (CDX). However, if the reporting form specific to 40 CFR pt. 63, subp. JJJJJJ is not available in CEDRI at the time that the report is due, the written Notification of Compliance Status must be submitted to the Administrator at the appropriate address listed in 40 CFR Section 63.13.</p>	40 CFR Section 63.11225(a)(4)
<p>The Permittee must conduct a performance tune-up according to 40 CFR Section 63.11223(b) and submit a signed statement in the Notification of Compliance Status report that indicates that the Permittee conducted a tune-up of the boiler.</p>	40 CFR Section 63.11214(b)
<p>The Permittee must submit all of the notifications in 40 CFR Sections 63.7(b); 63.8(e) and (f); 63.9(b) through (e), (g) and (h) that apply by the dates specified in those sections except as specified in 40 CFR Section 63.11225(a)(2) and (4).</p>	40 CFR Section 63.11225(a)(1)

TABLE B: SUBMITTALS**B-1** 03/13/13

Facility Name: Glencoe Light & Power Commission

Permit Number: 08500013 - 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.

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.

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

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

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

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: Glencoe Light & Power Commission
Permit Number: 08500013 - 004

What to send	When to send	Portion of Facility Affected
Application for Permit Reissuance	due 180 days before expiration of Existing Permit	Total Facility

TABLE B: RECURRENT SUBMITTALS**B-3** 03/13/13

Facility Name: Glencoe Light & Power Commission

Permit Number: 08500013 - 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 on a form approved by the Commissioner, both to the Commissioner and to the US EPA regional office in Chicago. This report covers all deviations experienced during the calendar year.	Total Facility

Appendix I: Stack Parameters Relied on for Title V Modeling

Facility Name: Glencoe Light & Power Commission

Permit Number: 08500013-004

Stack/Vent Number (SV)	Emission Unit (EU)	Max Capacity (kW)	Stack Height (ft)	Flow Rate (acfm)	Stack Diameter (ft)	Stack Temperature (°F)	NO _x (lb/hr)	NO _x * (tpy)
001	005	1,360	36	14,800	0.96	680	46.88	8.2
002	006	1,360	36	14,800	0.96	680	46.88	8.2
003	007	4,100	47	39,367	2.5	900	141.28	24.6
004	008	5,600	57	48,300	2.5	790	193.00	33.6
005	009	7,150	57	68,608	3	1009	246.4	42.9
006	010	7,060	57	67,874	3	998	243.31	42.4
011	011	4,840	57	35,445	2.5	816	184.07	32.1
012	012	4,840	57	35,445	2.5	816	184.07	32.1
013	014	4,840	57	38,654	2.5	710	120.81	21.0
007	013 (boiler)		27	1032	2	350	0.47	2.04

*Engine emissions based on 348.34 hr/yr per engine

Appendix II: Insignificant Activities and Applicable Requirements

Facility Name: Glencoe Light & Power Commission

Permit Number: 08500013-004

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

Minn. R. 7007.1300, subpart	Rule Description of the Activity	Applicable Requirement
3(A)	Fuel use: space heaters fueled by, kerosene, natural gas, or propane if combined total capacity is less than 420,000 Btu/hr. <ul style="list-style-type: none">• 5 space heaters	Minn. R. 7011.0510/0515
3(I)	Individual units with potential emissions less than 2000 lb/yr of certain pollutants <ul style="list-style-type: none">• Cooling towers• Diesel storage tanks	Minn. R. 7011.0710/0715; Minn. R. 7011.1505

Appendix III: Acid Rain New Unit Exemption

Facility Name: Glencoe Light & Power Commission

Permit Number: 08500013-004

OMB No. 2060-0258 Acid Rain Program



New Unit Exemption

For more information, see instructions and refer to 40 CFR 72.7

This submission is: ☒ New ☐ Revised

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STEP 1

Identify the new unit by plant name, State, ORIS Code (if assigned) and unit ID#.

Plant Name Glencoe Light and Power Commission	State MN	ORIS Code 1975	Unit ID# 11
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STEP 2

List to one decimal place the nameplate capacity of each generator served by the unit. Then total these entries and enter the result.

4.8 MWe	MWe	MWe	MWe	MWe	TOTAL 4.8 MWe
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STEP 3

List all fuels currently burned or expected to be burned, by the unit and the percent sulfur content by weight of each.

Fuel (current)	Sulfur Content (current)	Fuel (expected)	Sulfur Content (expected)
#2 Diesel Fuel	<0.05 %		<0.05 %
	%		%
	%		%

STEP 4

Identify the first full calendar year in which the unit meets (or will meet) the requirements of 40 CFR 72.7(a).

January 1, 2006

STEP 5

Read the special provisions.

Special Provisions

(1) The owners and operators and, to the extent applicable, the designated representative of a unit exempt under 40 CFR 72.7 shall (i) comply with the requirements of 40 CFR 72.7(a) for all periods for which the unit is exempt under 40 CFR 72.7 and (ii) comply with the requirements of the Acid Rain Program concerning all periods for which the exemption is not in effect, even if such requirements arise, or must be complied with, after the exemption takes effect.

(2) For any period for which a unit is exempt under 40 CFR 72.7, the unit is not an affected unit under the Acid Rain Program and 40 CFR parts 70 and 71 and is not eligible to be an opt-in source under 40 CFR part 74. As an unaffected unit, the unit shall continue to be subject to any other applicable requirements under 40 CFR parts 70 and 71.

(3) For a period of 5 years from the date the records are created, the owners and operators of a unit exempt under 40 CFR 72.7 shall retain at the source that includes the unit records demonstrating that the requirements of 40 CFR 72.7(a) are met. The 5-year period for keeping records may be extended for cause, at any time prior to the end of the period, in writing by the Administrator or the permitting authority. Such records shall include, for each delivery of fuel to the unit or for fuel delivered to the unit continuously by pipeline, the type of fuel, the sulfur content, and the sulfur content of each sample taken. The owners and operators bear the burden of proof that the requirements of paragraph 40 CFR 72.7(a) are met.

(4) On the earliest of the following dates, a unit exempt under 40 CFR 72.7(b), (c), or (e) shall lose its exemption and become an affected unit under the Acid Rain Program and 40 CFR parts 70 and 71: (i) the date on which the unit first serves one or more generators with total nameplate capacity in excess of 25 MWe; (ii) the date on which the unit burns any coal or coal-derived fuel except for coal-derived gaseous fuel with a total sulfur content no greater than natural gas; or (iii) January 1 of the year following the year in which the annual average sulfur content for gaseous fuel burned at the unit exceeds 0.05 percent by weight (as determined under 40 CFR 72.7(d)) or for nongaseous fuel burned at the unit exceeds 0.05 percent by weight (as determined under 40 CFR 72.7(d)). Notwithstanding 40 CFR 72.30(b) and (c), the designated representative for a unit that loses its exemption under 40 CFR 72.7 shall submit a complete Acid Rain permit application on the later of January 1, 1998 or 60 days after the first date on which the unit is no longer exempt. For the purpose of applying monitoring requirements under 40 CFR part 75, a



New Unit Exemption

For more information, see instructions and refer to 40 CFR 72.7

This submission is: ☒ New ☐ Revised

Page 1

STEP 1
Identify the new unit by plant name, State, ORIS Code (if assigned) and unit ID# .

Plant Name	Glencoe Light and Power Commission	State	MN	ORIS Code	1975	Unit ID#	12
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STEP 2
List to one decimal place the nameplate capacity of each generator served by the unit. Then total these entries and enter the result.

TOTAL					
4.8 MWe	MWe	MWe	MWe	MWe	4.8 MWe

STEP 3
List all fuels currently burned or expected to be burned, by the unit and the percent sulfur content by weight of each.

Fuel (current)	Sulfur Content (current)	Fuel (expected)	Sulfur Content (expected)
diesel	<0.05 %	diesel	<0.05 %
	%		%
	%		%

STEP 4
Identify the first full calendar year in which the unit meets (or will meet) the requirements of 40 CFR 72.7(a).

January 1, 2006_____.

STEP 5
Read the special provisions.

Special Provisions

(1) The owners and operators and, to the extent applicable, the designated representative of a unit exempt under 40 CFR 72.7 shall (i) comply with the requirements of 40 CFR 72.7(a) for all periods for which the unit is exempt under 40 CFR 72.7 and (ii) comply with the requirements of the Acid Rain Program concerning all periods for which the exemption is not in effect, even if such requirements arise, or must be complied with, after the exemption takes effect.

(2) For any period for which a unit is exempt under 40 CFR 72.7, the unit is not an affected unit under the Acid Rain Program and 40 CFR parts 70 and 71 and is not eligible to be an opt-in source under 40 CFR part 74. As an unaffected unit, the unit shall continue to be subject to any other applicable requirements under 40 CFR parts 70 and 71.

(3) For a period of 5 years from the date the records are created, the owners and operators of a unit exempt under 40 CFR 72.7 shall retain at the source that includes the unit records demonstrating that the requirements of 40 CFR 72.7(a) are met. The 5-year period for keeping records may be extended for cause, at any time prior to the end of the period, in writing by the Administrator or the permitting authority. Such records shall include, for each delivery of fuel to the unit or for fuel delivered to the unit continuously by pipeline, the type of fuel, the sulfur content, and the sulfur content of each sample taken. The owners and operators bear the burden of proof that the requirements of paragraph 40 CFR 72.7(a) are met.

(4) On the earliest of the following dates, a unit exempt under 40 CFR 72.7(b), (c), or (e) shall lose its exemption and become an affected unit under the Acid Rain Program and 40 CFR parts 70 and 71: (i) the date on which the unit first serves one or more generators with total nameplate capacity in excess of 25 MWe; (ii) the date on which the unit burns any coal or coal-derived fuel except for coal-derived gaseous fuel with a total sulfur content no greater than natural gas; or (iii) January 1 of the year following the year in which the annual average sulfur content for gaseous fuel burned at the unit exceeds 0.05 percent by weight (as determined under 40 CFR 72.7(d)) or for nongaseous fuel burned at the unit exceeds 0.05 percent by weight (as determined under 40 CFR 72.7(d)). Notwithstanding 40 CFR 72.30(b) and (c), the designated representative for a unit that loses its exemption under 40 CFR 72.7 shall submit a complete Acid Rain permit application on the later of January 1, 1998 or 60 days after the first date on which the unit is no longer exempt. For the purpose of applying monitoring requirements under 40 CFR part 75, a unit that loses its exemption under 40 CFR 72.7 shall be treated as a new unit that commenced commercial operation on the first date on which the unit is no longer exempt.



New Unit Exemption

For more information, see instructions and refer to 40 CFR 72.7

This submission is: ☒ New ☐ Revised

Page 1

STEP 1
Identify the new unit by plant name, State, ORIS Code (if assigned) and unit ID#.

Plant Name Glencoe Light and Power Commission	State MN	ORIS Code 1975	Unit ID# 14
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STEP 2
List to one decimal place the nameplate capacity of each generator served by the unit. Then total these entries and enter the result.

TOTAL				
4.8 MWe	MWe	MWe	MWe	MWe
				4.8 MWe

STEP 3
List all fuels currently burned or expected to be burned, by the unit and the percent sulfur content by weight of each.

Fuel (current)	Sulfur Content (current)	Fuel (expected)	Sulfur Content (expected)
	%	Diesel	<0.05 %
	%		%
	%		%

STEP 4
Identify the first full calendar year in which the unit meets (or will meet) the requirements of 40 CFR 72.7(a).

January 1, 2006

STEP 5
Read the special provisions.

Special Provisions

(1) The owners and operators and, to the extent applicable, the designated representative of a unit exempt under 40 CFR 72.7 shall (i) comply with the requirements of 40 CFR 72.7(a) for all periods for which the unit is exempt under 40 CFR 72.7 and (ii) comply with the requirements of the Acid Rain Program concerning all periods for which the exemption is not in effect, even if such requirements arise, or must be complied with, after the exemption takes effect.

(2) For any period for which a unit is exempt under 40 CFR 72.7, the unit is not an affected unit under the Acid Rain Program and 40 CFR parts 70 and 71 and is not eligible to be an opt-in source under 40 CFR part 74. As an unaffected unit, the unit shall continue to be subject to any other applicable requirements under 40 CFR parts 70 and 71.

(3) For a period of 5 years from the date the records are created, the owners and operators of a unit exempt under 40 CFR 72.7 shall retain at the source that includes the unit records demonstrating that the requirements of 40 CFR 72.7(a) are met. The 5-year period for keeping records may be extended for cause, at any time prior to the end of the period, in writing by the Administrator or the permitting authority. Such records shall include, for each delivery of fuel to the unit or for fuel delivered to the unit continuously by pipeline, the type of fuel, the sulfur content, and the sulfur content of each sample taken. The owners and operators bear the burden of proof that the requirements of paragraph 40 CFR 72.7(a) are met.

(4) On the earliest of the following dates, a unit exempt under 40 CFR 72.7(b), (c), or (e) shall lose its exemption and become an affected unit under the Acid Rain Program and 40 CFR parts 70 and 71: (i) the date on which the unit first serves one or more generators with total nameplate capacity in excess of 25 MWe; (ii) the date on which the unit burns any coal or coal-derived fuel except for coal-derived gaseous fuel with a total sulfur content no greater than natural gas; or (iii) January 1 of the year following the year in which the annual average sulfur content for gaseous fuel burned at the unit exceeds 0.05 percent by weight (as determined under 40 CFR 72.7(d)) or for nongaseous fuel burned at the unit exceeds 0.05 percent by weight (as determined under 40 CFR 72.7(d)). Notwithstanding 40 CFR 72.30(b) and (c), the designated representative for a unit that loses its exemption under 40 CFR 72.7 shall submit a complete Acid Rain permit application on the later of January 1, 1998 or 60 days after the first date on which the unit is no longer exempt. For the purpose of applying monitoring requirements under 40 CFR part 75, a unit that loses its exemption under 40 CFR 72.7 shall be treated as a new unit that commenced commercial operation on the first date on which the unit is no longer exempt.

STEP 6
Read the appropriate
certification and sign
and date.**Certification (for designated representatives only)**

I am authorized to make this submission on behalf of the owners and operators of the affected source or affected units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment.

Name	
Signature	Date

Certification (for certifying officials only)

I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment.

Name Collin Engebretson	Title Manager
Company Owner Name Glencoe Light and Power Commission	
Phone (320) 864-5184	Email Address collin@glencoelightandpower.com
Signature Collin Engebretson	Date 11/14/97 (Units 11&12) 08/09/04 (Unit 14)

Certification (for additional certifying officials, if applicable)

I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment.

Name	Title
Company Owner Name	
Phone	Email Address
Signature	Date

