Permittee:
St. Vincent's Medical Center
1 Shircliff Way
Jacksonville, FL 32204

DRAFT Permit No.: 0310068-010-AF
Facility ID No.: 0310068
SIC Nos.: 80
Project: FESOP Air Operation Permit

This permit is for the purpose of modifying existing Title V Air Operation Permit No. 0310068-008-AV for St. Vincent's Medical Center by incorporating the applicable terms and conditions identified in Construction Permit No. 0310068-009-AC issued on February 2, 2012. St. Vincent's Medical Center is located at 1 Shircliff Way, Jacksonville, Duval County; UTM Coordinates: Zone 17, 433.75 km East and 3358.7 km North; Latitude: 30° 18' 26" North and Longitude: 81° 41' 20" West.

This permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.) and Chapters 62-4, 62-204, 62-210, 62-296, and 62-297, Florida Administrative Code (F.A.C.). The above named permittee is hereby authorized to perform the work and operate the facility as described in the permit application, approved drawings, plans, and other documents, attached hereto or on file with the City of Jacksonville, Neighborhoods Department, Environmental Quality Division (Permitting Authority) and in accordance with the terms and conditions of this permit.

Referenced attachments made a part of this permit:

Best Available Control Technology Determination for Boilers

Renewal Application Due Date:
Expiration Date:

Neighborhoods Department
Environmental Quality Division

_____
Robert Steven Pace, P.E., Manager
Air Quality Branch

RSP/HDS

Section I. Facility Information.

Subsection A. Project and Facility Description.

This permit is for the purpose of modifying existing Title V Air Operation Permit No. 0310068-008-AV for St. Vincent's Medical Center by incorporating the applicable terms and conditions identified in Construction Permit No. 0310068-009-AC. Specifically, St. Vincent's Medical Center will be reclassified as a Synthetic Non-Title V Source of Air Pollution, Gas Turbine Cogenerator No. 1 (Emission Unit No. 005) will be decommissioned and Emission Unit No. 006, Power Generator No. 3, will be added to new Permit No. 0310068-010-AF. Note that in Construction Permit No. 0310068-009-AC, the power generator under Emission Unit No. 006 was designated Power Generator No. 1. Emission Unit No. 007 was created for two (2) existing emergency stationary compression ignition (CI) reciprocating internal combustion engines (RICE). These emergency engines, which were previously in Appendix I-1, List of Insignificant Emissions Units and/or Activities in St. Vincent's Medical Center's Title V Permit, shall be designated Power Generator No. 1 and 2 at the request of the consultant. The engines are subject to 40 CFR 63, Subpart ZZZZ, National Emissions Standards for Hazardous Air Pollutants (NESHAP) for Stationary RICE and Subpart A, General Provisions

St. Vincent's Medical Center is a full care medical center including hospital, three (3) boilers, power generator and two emergency diesel engines.

Based on the FESOP Air Operation Permit Application received March 8, 2013, this facility is not a major source of hazardous air pollutants (HAPs).

Subsection B. Summary of Emissions Unit ID No(s). and Brief Description(s).

EU ID No.	Brief Description
002	Boiler No. 1 (West)
003	Boiler No. 2 (Center)
004	Boiler No. 3 (East)
006	Power Generator No. 3
007	Two Emergency Diesel Engines (Power Generator Nos. 1 & 2)

Note: Please reference the Permit No., Facility ID No., and appropriate Emissions Unit(s) ID No(s). on all correspondence, test report submittals, applications, etc.

Subsection C. Relevant Documents.

The documents listed below are not a part of this permit; however, they are specifically related to this permitting action.

Section II. Facility Wide Conditions

Subsection A. General Conditions

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions" and are binding and enforceable pursuant to Sections 403.141, 403.727, or 403.859 through 403.861, FS. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.

2. This permit is valid only for the specific process and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.

3. As provided in subsections 403.087(6) and 403.722(5), FS, the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations. This permit is not a waiver of or approval of any other department permit that may be required for other aspects of the total project which are not addressed in this permit.

4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.

5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore, nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.

6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.

7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at reasonable times, access to the premises where the permitted activity is located or conducted to:

   a. Have access to and copy any records that must be kept under conditions of the permit;
   b. Inspect the facility, equipment, practices, or operations regulated or required under this permit; and
   c. Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.

   Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:

   a. A description of and cause of noncompliance; and
   b. The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance. The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Sections 403.111 and 403.73, FS. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.

10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.

11. This permit is transferable only upon Department approval in accordance with Rules 62-4.120 and 62-730.300, FAC, as applicable. The permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the Department.

12. This permit or a copy thereof shall be kept at the work site of the permitted activity.

13. This permit also constitutes:
    (X) Determination of Best Available Control Technology (BACT)
    ( ) Determination of Prevention of Significant Deterioration (PSD)
    ( ) Certification of Compliance with State Water Quality Standards (Section 401, PL 92-500)
    (X) Compliance with New Source Performance Standards

14. The permittee shall comply with the following:

    a. Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
    b. The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by this permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
    c. Records of monitoring information shall include:
        1. The date, exact place, and time of sampling or measurements;
        2. The person responsible for performing the sampling or measurements;
        3. The date(s) analyses were performed;
        4. The person responsible for performing the analyses;
        5. The analytical techniques or methods used;
        6. The results of such analyses.

15. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.
    [Rule 62-4.160, FAC, and Rule 2.1301, JEPB]

Subsection B. Specific Conditions

1. Any revision(s) to a permit (and application) shall be submitted to and approved by the Permitting Authority prior to implementing.
   [Rule 62-4.080(2), FAC, and Rule 2.1301, JEPB]

2. The permittee shall apply for a renewal operation permit sixty (60) days prior to the expiration of this permit.
   [Rule 62-4.090, FAC, and Rule 2.1301, JEPB]

3. Excess emissions resulting from startup, shutdown, or malfunction of any emission unit shall be permitted, providing (1) best operational practices to minimize emissions are adhered to and (2) the duration of excess emissions shall be minimized but in no case exceed two hours in any 24 hour period, unless specifically authorized by the Department for longer duration. Excess emissions which are caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure which may reasonably be prevented during startup, shutdown, or malfunction shall be prohibited. In the case of excess emissions resulting from malfunctions, each owner or operator shall notify the Permitting Authority in accordance with Rule 62-4.130, FAC and Rule 2.1301, JEPB. A full written report on the malfunctions shall be submitted to the Permitting Authority in a quarterly report, if requested by the Permitting Authority.
   [Rule 62-210.700, FAC, and Rule 2.301, JEPB]

4. Permittee shall notify the Department fifteen (15) days prior to EU testing.
   [Rule 62-297.310(7)(a)(9), FAC, and Rule 2.1101, JEPB]

5. Testing of emissions shall be conducted with the Emissions Unit (EU) operating at permitted capacity. Permitted capacity is defined as 90-100 percent of the maximum operation rate allowed by the permit. If it is impracticable to test at permitted capacity, the EU(s) may be tested at less than the maximum permitted capacity; in this case subsequent EU operation is limited to 110 percent of the test rate until a new test is conducted. Once the EU is so limited, then operation at higher capacities is allowed for no more than 15 consecutive days for the purposes of additional compliance testing to regain the authority to operate at the permitted capacity in the permit.
   [Rule 62-297.310(2), FAC, and Rule 2.1201, JEPB]

6. Copies of the test report(s) shall be filed with the Department within forty-five (45) days of completion of testing.
   [Rule 62-297.310(8)(b), FAC, and Rule 2.1101, JEPB]

7. The permittee shall submit an "Application for Transfer of Air Permit" (DEP Form 62-210.900(7)) to the Permitting Authority within 30 days after the sale or legal transfer of a permitted facility. The application must be completed with the notarized signatures of both the permittee and the proposed new permittee.
   [Rule 62-4.120, F.A.C., and Rule 2.1401, JEPB]

8. The permittee shall immediately notify the Permitting Authority if the permittee is unable to comply with any of the conditions of an air permit. Notification shall include pertinent information as to the cause of the problem, and what steps are being taken to correct the problem and to prevent its recurrence. Such notification does not release the permittee from any liability for failure to comply with Permitting Authority rules.
   [Rule 62-4.130, F.A.C., and Rule 2.1401, JEPB]

9. The owner or operator of any proposed new, reconstructed, or modified facility, emissions unit, or pollution control equipment shall obtain an air construction permit prior to the beginning of construction, reconstruction or modification of the facility, emissions unit or the addition of air pollution control equipment.
   [Rule 62-210.300(1)(a), F.A.C., and Rule 2.301, JEPB]

10. The permittee shall notify the Permitting Authority in writing of minor corrections or amendments to information contained in an air permit. Such minor corrections or amendments shall include:

    a. Typographical errors noted in the permit
    b. Name, address or phone number change from that in the permit
    c. A change requiring more frequent monitoring or reporting by the permittee
    d. A change in ownership or operational control of a facility

    [Rule 62-210.360, F.A.C., and Rule 2.301, JEPB]

11. Annual Operation Report. Permittee shall submit an annual operating report to the Permitting Authority for all emissions units on the forms supplied for each calendar year by April 1 of the following year.
[Rule 62-210.370(3), F.A.C. and Rule 2.301, JEPB]

12. Notification of Startup. The owners or operator of any emissions unit or facility which has a valid air operation permit which has been shut down more than one year, shall notify the Permitting Authority in writing of the intent to start up such emissions unit or facility, a minimum of 60 days prior to the intended startup date.

    a. The notification shall include information as to the startup date, anticipated emission rates or pollutants released, changes to processes or control devices which will result in changes to emission rates, and any other conditions which may differ from the valid outstanding operation permit.
    b. If, due to an emergency, a startup date is not known 60 days prior thereto, the owner shall notify the Permitting Authority as soon as possible after the date of such startup is ascertained.

    [Rule 62-210.300(5), F.A.C. and Rule 2.301, JEPB]

13. The permittee shall submit reports of any required monitoring at least every six (6) months. All instances of deviations from permit requirements must be clearly identified in such reports. The permittee shall report in accordance with the requirements of Rule 62-210.700(6), FAC, Rule 62-4.130, FAC, Rule 2.301, JEPB, and Rule 2.1401, JEPB, deviations from permit requirements, including those attributable to upset conditions as defined in the permit. Reports shall include the probable cause of such deviations, and any corrective actions or preventive measures taken. All reports shall be accompanied by a certification by a responsible official, pursuant to Rule 62-213.420(4), FAC, and Rule 2.501, JEPB. Unless otherwise specified in **a permit, rule, or order;** reports shall cover the period of January through June (report due on or before September 1) and July through December (report due on or before March 1).
[Rule 62-213.440(1)(b)3., FAC, and Rule 2.501, JEPB]

14. General Particulate Emission Limiting Standards. General Visible Emissions Standard.
Except for emissions units that are subject to a particulate matter or opacity limit set forth or established by rule and reflected by conditions in this permit, no person shall cause, let, permit, suffer or allow to be discharged into the atmosphere the emissions of air pollutants from any activity, the density of which is equal to or greater than that designated as Number 1 on the Ringelmann Chart (20 percent opacity) in accordance with Rule 62-296.320(4)(b)1., FAC, and Rule 2.1101, JEPB. EPA Method 9 is the method of compliance pursuant to Chapter 62-297, FAC, and Rule 2.1201, JEPB.
[Rule 62-296.320(4)(b)1., FAC, and Rule 2.1101, JEPB]

15. General Pollutant Emission Limiting Standards. Objectionable Odor Prohibited. The permittee shall not cause, suffer, allow, or permit the discharge of air pollutants which cause or contribute to an objectionable odor.
[Rule 62-296.320(2), FAC, and Rule 2.1001, JEPB]

16. The facility shall be subject to City of Jacksonville Ordinance Code, Title X, Chapter 360 [Environmental Regulation], Chapter 362 [Air and Water Pollution], Chapter 376 [Odor Control], and JEPB Rule 1 [Final Rules with Respect to Organization, Procedure, and Practice].

17. The facility shall be subject to JEPB Rule 2, Part Nos. I through VII, and Part Nos. IX through XIV.

18. The permittee shall submit all compliance related notifications and reports required of this permit to:

Neighborhoods Department
Environmental Quality Division
214 North Hogan Street, Suite 500
Jacksonville, FL 32202
Telephone: (904) 255-7100
Fax: (904) 588-0518

Section III. Emissions Unit(s) and Conditions.

Emissions Unit No. 002 - Boiler No. 1 (West)

Emissions Unit Description: This emission unit is a 25 x 10^6 Btu per hour (Btu/hr) Babcock & Wilcox Boiler. The primary fuel is natural gas with No. 2 Diesel Fuel Oil as an emergency back-up fuel.

Essential Potential to Emit (PTE) Parameters

1. This emissions unit is allowed to operate continuously, i.e., 8,760 hours per year (hrs/yr).
   [Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

2. The maximum heat input shall not exceed 25 x 10^6 Btu/hr of natural gas or No. 2 Diesel Fuel Oil.
   [Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

3. Sulfur dioxide (SO_2) and PM emissions shall be controlled in accordance with the Best Available Control Technology (BACT) Determination.
   [Rules 62-296.406(2) and (3), FAC, and Rule 2.1101, JEPB]

4. The maximum sulfur content of No. 2 Diesel Fuel Oil fired shall not exceed 0.05 percent, by weight.
   [Rules 62-296.406(2) and (3), FAC, and Rule 2.1101, JEPB]

5. VE shall not exceed 20 percent opacity except that VE not exceeding 27 percent opacity are allowed for up to 6 minutes in any one hour period.
   [Rule 62-296.406(1), FAC, and 2.1101, JEPB]

Test Methods and Procedures

6. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method (RM) 9 (as described in 40 CFR 60, appendix A) for the visual determination of opacity. Testing shall be conducted for a minimum period of 60 minutes.
   [Rule 62-297.310(4)(a)2., FAC, and Rule 2.1201, JEPB]

7. VE compliance testing shall be conducted every 12 months from the date of September 1, 2013. The test shall be a minimum of one (1) hour in length while firing fuel oil. Note: The test shall be conducted while firing fuel oil if the EU has operated 400 or more hours within the last 12 months while firing fuel oil, otherwise the annual testing may be conducted while firing natural gas.
   [Rule 62-297.310(7)(a), FAC, and Rule 2.1201, JEPB]

8. Fuel oil sulfur content shall be determined through certification by the fuel oil supplier (annually). Alternate testing may be through the use of ASTM Method D 2622-82 Sulfur in Petroleum Products (X-Ray Spectrographic Method). Records shall be maintained for a minimum period of five (5) years and shall be provided to the Permitting Authority upon request.
   [Rules 62-296.406(2) and (3), FAC, and Rule 2.1101, JEPB]

Emissions Unit No. 003 - Boiler No. 2 (Center)

Emissions Unit Description: This emission unit is a 25 x 10^6 Btu/hr Babcock & Wilcox Boiler. The primary fuel is natural gas with No. 2 Diesel Fuel Oil as an emergency back-up fuel.

Essential Potential to Emit (PTE) Parameters

1. This emissions unit is allowed to operate continuously, i.e., 8,760 hrs/yr.
   [Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

2. The maximum heat input shall not exceed 25 x 10^6 Btu/hr of natural gas or No. 2 Diesel Fuel Oil.
   [Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

3. Sulfur dioxide (SO_2) and PM emissions shall be controlled in accordance with the BACT Determination.
   [Rules 62-296.406(2) and (3), FAC, and Rule 2.1101, JEPB]

4. The maximum sulfur content of No. 2 Fuel Oil fired shall not exceed 0.05 percent, by weight.
   [Rules 62-296.406(2) and (3), FAC, and Rule 2.1101, JEPB]

5. VE shall not exceed 20 percent opacity except that VE not exceeding 27 percent opacity are allowed for up to 6 minutes in any one hour period.
   [Rule 62-296.406(1), FAC, and 2.1101, JEPB]

Test Methods and Procedures

6. Testing for demonstration of compliance shall be performed in accordance with EPA RM 9 (as described in 40 CFR 60, appendix A) for the visual determination of opacity. Testing shall be conducted for a minimum period of 60 minutes.
   [Rule 62-297.310(4)(a)2., FAC, and Rule 2.1201, JEPB]

7. VE compliance testing shall be conducted every 12 months from the date of September 1, 2013. The test shall be a minimum of one (1) hour in length while firing fuel oil. Note: The test shall be conducted while firing fuel oil if the EU has operated 400 or more hours within the last 12 months while firing fuel oil, otherwise the annual testing may be conducted while firing natural gas.
   [Rule 62-297.310(7)(a), FAC, and Rule 2.1201, JEPB]

8. Fuel oil sulfur content shall be determined through certification by the fuel oil supplier (annually). Alternate testing may be through the use of ASTM Method D 2622-82 Sulfur in Petroleum Products (X-Ray Spectrographic Method). Records shall be maintained for a minimum period of five (5) years and shall be provided to the Permitting Authority upon request.
   [Rules 62-296.406(2) and (3), FAC, and Rule 2.1101, JEPB]

Emissions Unit No. 004 - Boiler No. 3 (East)

Emissions Unit Description: This emission unit is a 25 x 10^6 Btu/hr Babcock & Wilcox Boiler. The primary fuel is natural gas with No. 2 Diesel Fuel Oil as an emergency back-up fuel.

Essential Potential to Emit (PTE) Parameters

1. This emissions unit is allowed to operate continuously, i.e., 8,760 hrs/yr.

[Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

2. The maximum heat input shall not exceed 25 x 10^6 Btu/hr of natural gas or No. 2 Diesel Fuel Oil.
[Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

3. Sulfur dioxide (SO_2) and PM emissions shall be controlled in accordance with the BACT Determination.
[Rules 62-296.406(2) and (3), FAC, and Rule 2.1101, JEPB]

4. The maximum sulfur content of No. 2 Fuel Oil fired shall not exceed 0.05 percent, by weight.
[Rules 62-296.406(2) and (3), FAC, and Rule 2.1101, JEPB]

5. VE shall not exceed 20 percent opacity except that VE not exceeding 27 percent opacity are allowed for up to 6 minutes in any one hour period.
[Rule 62-296.406(1), FAC, and 2.1101, JEPB]

Test Methods and Procedures

6. Testing for demonstration of compliance shall be performed in accordance with EPA RM 9 (as described in 40 CFR 60, appendix A) for the visual determination of opacity. Testing shall be conducted for a minimum period of 60 minutes.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1201, JEPB]

7. VE compliance testing shall be conducted every 12 months from the date of September 1, 2013. The test shall be a minimum of one (1) hour in length while firing fuel oil. Note: The test shall be conducted while firing fuel oil if the EU has operated 400 or more hours within the last 12 months while firing fuel oil, otherwise the annual testing may be conducted while firing natural gas.
[Rule 62-297.310(7)(a), FAC, and Rule 2.1201, JEPB]

8. Fuel oil sulfur content shall be determined through certification by the fuel oil supplier (annually). Alternate testing may be through the use of ASTM Method D 2622-82 Sulfur in Petroleum Products (X-Ray Spectrographic Method). Records shall be maintained for a minimum period of five (5) years and shall be provided to the Permitting Authority upon request.
[Rules 62-296.406(2) and (3), FAC, and Rule 2.1101, JEPB]

Emissions Unit No. 006 – Power Generator No. 3

Emissions Unit Description: This emission unit is a Catepillar 2000 kW compression ignition engine with a Brake Horsepower of 2922. This engine has 16 cylinders with a total displacement of 3673 cu inches or 3.76 liters per cylinder. The primary fuel is diesel with a duel fuel of 25% diesel and 75% natural gas as a back-up. This unit is a nonemergency engine.

Description of Engine	Year Built	Displacement/ Horsepower	Rule Applicability
2000 kW Cummins Power Generator	2010	3.76 Liters/Cylinder & 2922 Brake Horse Power	40 CFR Part 60, Subpart IIII 40 CFR Part 63, Subpart ZZZZ

{**Permitting Note:** The engines listed above are currently demonstrating compliance with the emissions limitations of the applicable federal rule through the retention of a **manufacturer's certification statement. As long as the certification is able to be retained, no additional compliance demonstration is required.**}

Emission Limitations and Standards

1. This project is subject to 40 CFR 63, Subpart ZZZZ, National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines. A new Reciprocating Internal Combustion Engines (Power Generator No. 1) at an area source must meet the requirements of this subpart by meeting the requirements of 40 CFR 60, Subpart IIII, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines and 40 CFR 60, Subpart A, General Provisions.
   [40 CFR 63.6590(c), Rule 62-204.800(8), FAC and Rule 2.201, JEPB]

2. The hours of operation for this emissions unit shall not exceed 1,000 hours per year (hrs/yr).
   [Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

3 The maximum heat input shall not exceed 19 x 10^6 Btu/hr of No. 2 Fuel Oil or the duel fuel comprised of 25% diesel fuel and 75% natural gas.
   [Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

4. The engine in this emission unit shall not exceed the following standards of non-methane hydrocarbon + NO_X, carbon monoxide, and particulate matter:

Engine	Non-Methane Hydrocarbon + NO_x	CO	PM
2000 kW Cummins Power Generator	4.77 grams/kW-hr	2.61 grams/kW-hr	0.15 grams/kW-hr

[40 CFR 89.112, Table 1, Rule 62-204.800(8), FAC and Rule 2.201, JEPB]

5. Beginning October 1, 2010, owners and operators of stationary combustion ignition internal combustion engines subject to 40 CFR 60, Subpart IIII, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines with a displacement of less than 30 liters per cylinder that use diesel fuel must purchase diesel fuel that meets the requirements of 40 CFR 80.510(b) for nonroad diesel fuel. The sulfur content for nonroad diesel fuel shall not exceed 15 ppm. The nonroad diesel cetane index shall not be less than 40 or the aromatic content shall not exceed 35 volume percent.
   [40 CFR 60.4207(b), Rule 62-204.800(8), FAC and Rule 2.201, JEPB]

6. The owner or operator must operate and maintain the stationary combustion ignition internal combustion engine that achieves the emission standards as required in 40 CFR 60.4204, FAC over the entire life of the engine.
   [40 CFR 60.4206, Rule 62-204.800(8), FAC and Rule 2.201, JEPB]

Monitoring Requirements

7. The owner or operator stationary combustion ignition internal combustion engine equipped with a diesel particulate filter must comply with the emission standards in 40 CFR 60.4204, FAC. The diesel particulate filter must be installed with a backpressure monitor that notifies the owner or operator when the high backpressure limit of the engine is approached.
   [40 CFR 60.4209(b), Rule 62-204.800, FAC and Rule 2.201, JEPB]

8. The owner or operator must operate the stationary combustion ignition internal combustion engines and control devices according to the manufacturer's emission-related written instructions.
   [40CFR 60.4211(a)(1), Rule 62-204.800(8), FAC and Rule 2.201, JEPB]

9. The owner or operator shall only change those emission-related settings that are permitted by the manufacturer.

[40CFR 60.4211(a)(2), Rule 62-204.800(8), FAC and Rule 2.201, JEPB]

Compliance Requirements

10. If the owner or operator of a stationary combustion ignition internal combustion engine greater than 500 HP does not install, configure, operate and maintain the stationary combustion ignition internal combustion engine and control device according to the manufacturer's emission-related written instructions, or changes emission-related settings in a way that is not permitted by the manufacturer, the owner or operator must demonstrate compliance performing the following:

    a. Keep a maintenance plan and records of conducted maintenance
    b. Maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions.
    c. Conduct an initial performance test to demonstrate compliance with the applicable emission standards:

        (i) Within 1 year of startup or
        (ii) Within 1 year after an engine and control device is no longer installed, configured, operated and maintained in accordance with the manufacturer's emission-related written instructions or
        (iii) Within 1 year after the owner or operator changes emission-related settings in a way that is not permitted by the manufacturer.

    d. Conduct subsequent performance testing every 8,760 hours of engine operation or 3 years, whichever comes first, thereafter to demonstrate compliance with the applicable emission standards.
    [40 CFR 60.4211(g), Rule 62-204.800, FAC and Rule 2.201, JEPB]

Recordkeeping and Reporting Requirements

11. If the stationary combustion ignition internal combustion engine is equipped with a diesel particulate filter, the owner or operator must keep records of any corrective action taken after the backpressure monitor has notified the owner or operator that the high back pressure limit of the engine is approached.
[40 CFR 60.4214(c), Rule 62-204.800(8), FAC and Rule 2.201, JEPB]

12. The owner/operator shall maintain records of the monthly operating hours of Power Generator No. 1. These records shall be kept and maintained for a minimum period of five (5) years. Records shall be made available to the Permitting Authority upon request.
[Rule 62-4.070(3), FAC, and Rule 2.1401, JEPB]

Emissions Unit No. 7 – Emergency Diesel Engine Generators (Power Generator Nos. 1 & 2)

Emissions Unit Description: Two (2) Emergency Diesel Engines fired with No. 2 fuel oil. These engines are used to provide back-up power to special rooms and spaces within the hospital in emergency situations.

Description of Engine	Year Built	Displacement/ Horsepower	Rule Applicability
Catepillar Model No. 3516	9/9/1997	< 10 liters/cylinder/2,448 HP	40 CFR Part 63, Subpart ZZZZ
Catepillar Model No. 3516B	9/9/1997	< 10 liters/cylinder/2,448 HP	40 CFR Part 63, Subpart ZZZZ

1. This engine is subject to 40 CFR 63, Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines and 40 CFR 60, Subpart A, General Provisions shall apply to the engines of this emissions unit.
[40 CFR 63.6585(c), Rule 62-204.800(11), FAC and Rule 2.201, JEPB]

2. The permittee shall comply with the following operating limitations no later than May 3, 2013.
[40 CFR 63.6595(a)(1), Rule 62-204.800(11), FAC and Rule 2.201, JEPB]

Essential Potential to Emit (PTE) Parameters

3. The owner or operator shall operate and maintain the emergency stationary RICE according to the following:

   a. There is no time limit on the use of emergency stationary RICE in emergency situations.
   b. The emergency stationary RICE 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 such units is limited to 100 hours per year.
   c. The emergency stationary RICE may be operated 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 checks and readiness testing.
   d. The 50 hours per year for non-emergency situations may not be used for peak shaving or to generate income for a facility to supply power to an electric grid or otherwise supply non-emergency power as part of a financial arrangement with another entity.

   [40 CFR 63.6640(f), Rule 62-204.800(11), FAC and Rule 2.201, JEPB]

4. The owner or operator 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.
[40 CFR 63.6625(h), Rule 62-204.800(11), FAC and Rule 2.201, JEPB]

Emission Limitations and Operating Requirements

5. The owner or operator shall comply with the following requirements as outlined in 40 CFR 63, Subpart ZZZZ, Table 2d.

   a. Change oil and filter every 500 hours of operation or annually, whichever comes first, or use an oil analysis program to extend this interval, as provided in Specific Condition No. 6 below.
   b. Inspect spark plugs every 1,000 hours of operation or annually, whichever comes first.
   c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

   [40 CFR 63.6603(a), Rule 62-204.800(11), FAC and Rule 2.201, JEPB]

6. The owner or operator has the option of using an oil analysis program to extend the oil change requirement. The oil analysis shall be performed at the same frequency specified for changing the oil in Specific Condition No. 5 for this emissions unit. The analysis program shall at a minimum analyze the following three 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. If all of these condemning limits are not exceeded, the engine owner

   or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator shall change the oil within 2 days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator shall change the oil within 2 days or before commencing operation, whichever is later. The owner or operator shall keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program shall be part of the maintenance plan for the engine.
   [40 CFR 63.6625(i), Rule 62-204.800(11), FAC and Rule 2.201, JEPB]

7. The owner or operator 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 your own maintenance plan which shall provide, to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions
[40 CFR 63.6625(e)(3), Rule 62-204.800(11), FAC and Rule 2.201, JEPB]

Monitoring Requirements

8. The owner or operator shall install a non-resettable hour meter if one is not already installed.
[40 CFR 63.6625(f), Rule 62-204.800(11), FAC and Rule 2.201, JEPB]

Compliance Requirements

9. Each unit shall be in compliance with the operating standards in this section at all times.
[40 CFR 63.6605(a), Rule 62-204.800(11), FAC and Rule 2.201, JEPB]

10. Operation and Maintenance of Equipment. At all times the owner or operator shall operate and maintain the stationary RICE, 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 Compliance Authority which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.
[40 CFR 63.6605(b), Rule 62-204.800(11), FAC and Rule 2.201, JEPB]

Recordkeeping and Reporting Requirements

11. The owner or operator shall keep records of the maintenance conducted on the stationary reciprocating internal combustion engine constructed in order to demonstrate that the stationary reciprocating internal combustion engine constructed and after-treatment control device (if any) was operated and maintained according to their own maintenance plan.
[40 CFR 63.6655(e), Rule 62-204.800(11), FAC and Rule 2.201, JEPB]

12. The owner or operator shall keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The owner or operator 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 engines are used for demand response operation, the owner or operator shall keep records of the notification of the emergency situation, and the time the engine was operated as part of demand response.
[40 CFR 63.6655(f), Rule 62-204.800(11), FAC and Rule 2.201, JEPB]

13. The records in Specific Condition Nos. 11 and 12 for this emissions unit shall be kept and maintained for a minimum period of five (5) years. Records shall be provided to the Permitting Authority upon request.
[40 CFR 63.6660, Rule 62-204.800(11), FAC and Rule 2.201, JEPB]