



Florida Department of Environmental Protection

Southeast District Office
400 N. Congress Avenue, Suite 200
West Palm Beach, FL 33401

Rick Scott
Governor

Jennifer Carroll
Lt. Governor

Herschel T. Vinyard Jr.
Secretary

Applicant:

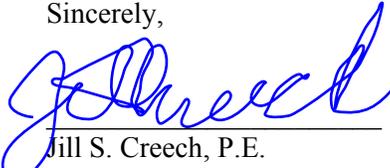
Jackson Memorial Hospital
1611 NW 12th Avenue
Miami, FL 33136-1094

Re: Project No. 0250232-012-AC
Jackson Memorial Hospital
Air Construction Permit
Permit Construction Project

Dear Mr. Jordan:

On April 19, 2011, you submitted an application requesting a construction permit for the Jackson Memorial Hospital, an existing facility. This facility is located in Miami-Dade County at 1611 NW 12th Avenue in Miami, Florida. Enclosed are the following documents: the Technical Evaluation and Preliminary Determination; the Draft Permit and Appendices; the Written Notice of Intent to Issue Air Permit; and the Public Notice of Intent to Issue Air Permit. The Public Notice of Intent to Issue Air Permit is the actual notice that you must have published in the legal advertisement section of a newspaper of general circulation in the area affected by this project. If you have any questions, please contact the project engineer, Manuel P. Delosantos, at 561/681-6600.

Sincerely,


Bill S. Creech, P.E.
Southeast District Director

6/2/11
Date

Enclosures


JC/LA/md

WRITTEN NOTICE OF INTENT TO ISSUE AIR PERMIT

*In the Matter of an
Application for Air Permit by:*

Jackson Memorial Hospital,
1611 NW 12th Avenue
Miami, Florida 33136-1094

Project No.: 0250232-012-AC
Air Construction Permit
Miami-Dade County, Florida
Project: New AC Permit

Authorized Representative:

Mr. Regginald Jordan, Corporate Director of Support Services

Facility Location: Jackson Memorial Hospital operates the existing facility, which is located in Miami-Dade County at 1611 NW 12th Avenue in Miami, Florida

Project: On April 19, 2011, Jackson Memorial Hospital submitted an application proposing to maintain in operation two existing 25.11 MMBtu per hour Kewanee Scotch Marine Boilers (Model H35-600-G02) at the facility, and to keep in operation the seventeen emergency generator units (EU-12), that serve different buildings around the hospital campus.

The draft construction permit will allow the facility to replace two of the emergency generator units that comprise Emissions Unit 012. The replacement will consist of two Kato 750 kW generators (Nos. 8 and 9) serving utility centers # 1 and # 2 with two new 2,000 kW Florida Detroit Diesel-Allison generator units.

In addition, the draft construction permit approves the conversion of the gas fueled Caterpillar Engine Model G3516, that provides power to the York International Chiller, Model YGTSDBJ4 (Emission Unit 011). The engine was converted from gas fuel to power by an electric motor. Given that there are no specific emissions standards for electric motors, this emissions unit will not be included in the permit.

Details of the project are provided in the application and the enclosed Technical Evaluation and Preliminary Determination.

Permitting Authority: Applications for air construction permits are subject to review in accordance with the provisions of Chapter 403, Florida Statutes (F.S.) and Chapters 62-4, 62-210, and 62-212 of the Florida Administrative Code (F.A.C.). The proposed project is not exempt from air permitting requirements and an air permit is required to perform the proposed work. The Permitting Authority responsible for making a permit determination for this project is the Department of Environmental Protection's Air Resource Program in the Southeast District Office. The Permitting Authority's physical and mailing address is: 400 North Congress Avenue, Suite 200, West Palm Beach, Florida 33401. The Permitting Authority's telephone number is 561/681-6600.

Project File: A complete project file is available for public inspection during the normal business hours of 8:00 a.m. to 5:00 p.m., Monday through Friday (except legal holidays), at address indicated above for the Permitting Authority. The complete project file includes the Draft Permit, the Technical Evaluation and Preliminary Determination, the application, and the information submitted by the applicant, exclusive of confidential records under Section 403.111, F.S. Interested persons may contact the Permitting Authority's project review engineer for additional information at the address or phone number listed above.

Notice of Intent to Issue Permit: The Permitting Authority gives notice of its intent to issue an air permit to the applicant for the project described above. The applicant has provided reasonable assurance that operation of the proposed equipment will not adversely impact air quality and that the project will comply with all appropriate provisions of Chapters 62-4, 62-204, 62-210, 62-212, 62-296, and 62-297, F.A.C. The Permitting Authority will issue a Final Permit in accordance with the conditions of the proposed Draft Permit unless a timely petition for an administrative hearing is filed under Sections 120.569 and 120.57, F.S. or unless public comment received in

WRITTEN NOTICE OF INTENT TO ISSUE AIR PERMIT

accordance with this notice results in a different decision or a significant change of terms or conditions.

Public Notice: Pursuant to Section 403.815, F.S. and Rules 62-110.106 and 62-210.350, F.A.C., you (the applicant) are required to publish at your own expense the enclosed Public Notice of Intent to Issue Air Permit (Public Notice). The Public Notice shall be published one time only as soon as possible in the legal advertisement section of a newspaper of general circulation in the area affected by this project. The newspaper used must meet the requirements of Sections 50.011 and 50.031, F.S. in the county where the activity is to take place. If you are uncertain that a newspaper meets these requirements, please contact the Permitting Authority at above address or phone number. Pursuant to Rule 62-110.106(5) and (9), F.A.C., the applicant shall provide proof of publication to the Permitting Authority at the above address within 7 days of publication. Failure to publish the notice and provide proof of publication may result in the denial of the permit pursuant to Rule 62-110.106(11), F.A.C.

Comments: The Permitting Authority will accept written comments concerning the proposed Draft Permit for a period of 14 days from the date of publication of the Public Notice. Written comments must be received by the Permitting Authority by close of business (5:00 p.m.) on or before the end of the 14-day period. If written comments received result in a significant change to the Draft Permit, the Permitting Authority shall revise the Draft Permit and require, if applicable, another Public Notice. All comments filed will be made available for public inspection.

Petitions: A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative hearing in accordance with Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed with (received by) the Department's Agency Clerk in the Office of General Counsel of the Department of Environmental Protection at 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000 (Telephone: 850/245-2241). Petitions filed by the applicant or any of the parties listed below must be filed within 14 days of receipt of this Written Notice of Intent to Issue Air Permit. Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), F.S., must be filed within 14 days of publication of the attached Public Notice or within 14 days of receipt of this Written Notice of Intent to Issue Air Permit, whichever occurs first. Under Section 120.60(3), F.S., however, any person who asked the Permitting Authority for notice of agency action may file a petition within 14 days of receipt of that notice, regardless of the date of publication. A petitioner shall mail a copy of the petition to the applicant at the address indicated above, at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention (in a proceeding initiated by another party) will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C.

A petition that disputes the material facts on which the Permitting Authority's action is based must contain the following information: (a) The name and address of each agency affected and each agency's file or identification number, if known; (b) The name, address, and telephone number of the petitioner; the name, address and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination; (c) A statement of when and how each petitioner received notice of the agency action or proposed decision; (d) A statement of all disputed issues of material fact. If there are none, the petition must so state; (e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the agency's proposed action; (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action including an explanation of how the alleged facts relate to the specific rules or statutes; and, (g) A statement of the relief sought by the petitioner, stating precisely the action the petitioner wishes the agency to take with respect to the agency's proposed action. A petition that does not dispute the material facts upon which the Permitting Authority's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by Rule 28-106.301, F.A.C.

WRITTEN NOTICE OF INTENT TO ISSUE AIR PERMIT

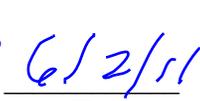
Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Permitting Authority's final action may be different from the position taken by it in this Written Notice of Intent to Issue Air Permit. Persons whose substantial interests will be affected by any such final decision of the Permitting Authority on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Mediation: Mediation is not available in this proceeding.

Sincerely,



Jill S. Creech, P.E.
Southeast District Director



Date


JC/LA/md

Enclosures

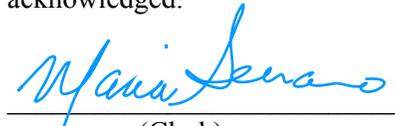
CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Written Notice of Intent to Issue Air Permit package (including the Written Notice of Intent to Issue Air Permit, the Public Notice of Intent to Issue Air Permit, the Technical Evaluation and Preliminary Determination and the Draft Permit) was sent by electronic mail (or a link to these documents made available electronically on a publicly accessible server) with received receipt requested before the close of business on June 2, 2011 to the persons listed below.

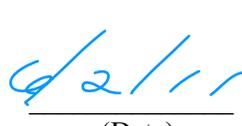
- Mr. Regginald Jordan, Jackson Memorial Hospital: regginald.jordan@jhsmiami.org
- Mr. Douglas Rodriguez, Jackson Memorial: droduguez@jhsmiami.org
- Mr. Aldo Marletti, P.E. of Record, Cashin Associates: amarletti@ca-pc.com
- Mr. H. Patrick Wong, Miami-Dade DERM: wongp@miamidade.gov
- Mr. Michael Drenta, Jackson Memorial Hospital: michael.drenta@jhsmiami.org

Clerk Stamp

FILED AND ACKNOWLEDGMENT FILED, on this date, pursuant to Section 120.52(7), Florida Statutes, with the designated agency clerk, receipt of which is hereby acknowledged.



(Clerk)



(Date)

PUBLIC NOTICE OF INTENT TO ISSUE AIR PERMIT

Florida Department of Environmental Protection
Air Resource Section, Southeast District Office
Air Construction Permit
Project No. 0250232-012-AC
Jackson Memorial Hospital
Miami-Dade County, Florida

Applicant: The applicant for this project is Jackson Memorial Hospital. The applicant's authorized representative and address is: Regginald Jordan, Corporate Director of Support Services, Jackson Memorial Hospital, 1611 NW 12 Avenue, Miami, Florida 33136-1094.

Facility Location: Jackson Memorial operates the existing Hospital, which is located in Miami-Dade County at 1611 NW 12 Avenue, Miami, Florida.

Project: On April 19, 2011, Jackson Memorial Hospital submitted an application proposing to maintain in operation two existing 25.11 MMBtu per hour Kewanee Scotch Marine Boilers (Model H35-600-G02) at the facility, and to keep in operation seventeen emergency generator units (EU-12) that serve different buildings around the hospital campus.

The draft construction permit will allow the facility to replace two of the emergency generator units that comprise Emissions Unit 012. The replacement will consist of two Kato 750 kW generators (Nos. 8 and 9) serving utility centers # 1 and # 2 with two new 2,000 kW Florida Detroit Diesel-Allison generator units.

In addition, the draft construction permit approves the conversion of the gas fueled Caterpillar Engine, Model G3516, that provides power to the York International Chiller, Model YGTSDBJ4 (Emission Unit 011). The engine was converted from gas fuel to power by an electric motor. Given that there are no specific emissions standards for electric motors, this emissions unit will not be included in the permit.

Permitting Authority: Applications for air construction permits are subject to review in accordance with the provisions of Chapter 403, Florida Statutes (F.S.) and Chapters 62-4, 62-210 and 62-212 of the Florida Administrative Code (F.A.C.). The proposed project is not exempt from air permitting requirements and an air permit is required to perform the proposed work. The Permitting Authority responsible for making a permit determination for this project is the Department of Environmental Protection's Air Resource Section in the Southeast District Office. The Permitting Authority's physical and mailing address is: 400 North Congress Avenue, Suite 200, West Palm Beach, Florida 33401. The Permitting Authority's telephone number is 561/681-6600.

Project File: A complete project file is available for public inspection during the normal business hours of 8:00 a.m. to 5:00 p.m., Monday through Friday (except legal holidays), at the physical address indicated above for the Permitting Authority. The complete project file includes the Draft Permit, the Technical Evaluation and Preliminary Determination, the application and information submitted by the applicant (exclusive of confidential records under Section 403.111, F.S.). Interested persons may contact the Permitting Authority's project engineer for additional information at the address and phone number listed above. In addition, electronic copies of these documents are available on the following web site: <http://www.dep.state.fl.us/air/emission/apds/default.asp>.

Notice of Intent to Issue Air Permit: The Permitting Authority gives notice of its intent to issue an air construction permit to the applicant for the project described above. The applicant has provided reasonable assurance that operation of proposed equipment will not adversely impact air quality and that the project will comply with all appropriate provisions of Chapters 62-4, 62-204, 62-210, 62-212, 62-296 and 62-297, F.A.C. The Permitting Authority will issue a Final Permit in accordance with the conditions of the proposed Draft Permit unless a timely petition for an administrative hearing is filed under Sections 120.569 and 120.57, F.S. or unless public comment received in accordance with this notice results in a different decision or a significant change of terms or conditions.

(Public Notice to be Published in the Newspaper)

Comments: The Permitting Authority will accept written comments concerning the proposed Draft Permit for a period of 14 days from the date of publication of this Public Notice. Written comments must be received by the Permitting Authority by close of business (5:00 p.m.) on or before the end of the 14-day period. If written comments received result in a significant change to the Draft Permit, the Permitting Authority shall revise the Draft Permit and require, if applicable, another Public Notice. All comments filed will be made available for public inspection.

Petitions: A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative hearing in accordance with Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed with (received by) the Department's Agency Clerk in the Office of General Counsel of the Department of Environmental Protection at 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000 (Telephone: 850/245-2241). Petitions filed by any persons other than those entitled to written notice under Section 120.60(3); F.S. must be filed within 14 days of publication of this Public Notice or receipt of a written notice, whichever occurs first. Under Section 120.60(3), F.S., however, any person who asked the Permitting Authority for notice of agency action may file a petition within 14 days of receipt of that notice, regardless of the date of publication. A petitioner shall mail a copy of the petition to the applicant at the address indicated above, at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention (in a proceeding initiated by another party) will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C.

A petition that disputes the material facts on which the Permitting Authority's action is based must contain the following information: (a) The name and address of each agency affected and each agency's file or identification number, if known; (b) The name, address and telephone number of the petitioner; the name address and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial rights will be affected by the agency determination; (c) A statement of when and how the petitioner received notice of the agency action or proposed decision; (d) A statement of all disputed issues of material fact. If there are none, the petition must so state; (e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the agency's proposed action; (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action including an explanation of how the alleged facts relate to the specific rules or statutes; and, (g) A statement of the relief sought by the petitioner, stating precisely the action the petitioner wishes the agency to take with respect to the agency's proposed action. A petition that does not dispute the material facts upon which the Permitting Authority's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by Rule 28-106.301, F.A.C.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Permitting Authority's final action may be different from the position taken by it in this Public Notice of Intent to Issue Air Permit. Persons whose substantial interests will be affected by any such final decision of the Permitting Authority on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Mediation: Mediation is not available for this proceeding.



**TECHNICAL EVALUATION
&
PRELIMINARY DETERMINATION**

APPLICANT

Jackson Memorial Hospital
1611 NW 12th Avenue
Miami, Florida 33136-1094

PROJECT

Project No. 0250232-012-AC
Air Construction Permit

COUNTY

Miami-Dade, Florida

PERMITTING /COMPLIANCE AUTHORITY

Florida Department of Environmental Protection
Air Resource Section
Southeast District Office
400 North Congress Avenue, Suite 200
West Palm Beach, Florida 33401

1. GENERAL PROJECT INFORMATION

Air Pollution Regulations

Projects at stationary sources with the potential to emit air pollution are subject to the applicable environmental laws specified in Section 403 of the Florida Statutes (F.S.). The statutes authorize the Department of Environmental Protection (Department) to establish regulations regarding air quality as part of the Florida Administrative Code (F.A.C.), which includes the following applicable chapters: 62-4 (Permits); 62-204 (Air Pollution Control – General Provisions); 62-210 (Stationary Sources – General Requirements); 62-212 (Stationary Sources – Preconstruction Review); 62-213 (Operation Permits for Major Sources of Air Pollution); 62-296 (Stationary Sources - Emission Standards); and 62-297 (Stationary Sources – Emissions Monitoring). Specifically, air construction permits are required pursuant to Rules 62-4, 62-210 and 62-212, F.A.C.

In addition, the U. S. Environmental Protection Agency (EPA) establishes air quality regulations in Title 40 of the Code of Federal Regulations (CFR). Part 60 specifies New Source Performance Standards (NSPS) for numerous industrial categories. Part 61 specifies National Emission Standards for Hazardous Air Pollutants (NESHAP) based on specific pollutants. Part 63 specifies NESHAP based on the Maximum Achievable Control Technology (MACT) for numerous industrial categories. The Department adopts these federal regulations on a quarterly basis in Rule 62-204.800, F.A.C.

Glossary of Common Terms

Because of the technical nature of the project, the permit contains numerous acronyms and abbreviations, which are defined in Appendix B of this permit.

Facility Description and Location

Jackson Memorial Hospital is an existing Source, which is categorized under Standard Industrial Classification Code No. 8062. The facility is located in Miami-Dade County at 1611 NW 12th Avenue in Miami, Florida. The UTM coordinates of the existing facility are Zone 17, 578.03 km East, and 2852.74 km North. This site is in an area that is in attainment (or designated as maintenance) for all air pollutants subject to state and federal Ambient Air Quality Standards (AAQS).

Facility Regulatory Categories

- The facility is not a major source of hazardous air pollutants (HAP).
- The facility has no units subject to the acid rain provisions of the Clean Air Act.
- The facility is not a Title V major source of air pollution in accordance with Chapter 213, F.A.C.
- The facility is not a major stationary source in accordance with Rule 62-212.400, F.A.C. for the Prevention of Significant Deterioration (PSD) of Air Quality.

Project Description

On April 19, 2011, Jackson Memorial Hospital submitted an application proposing to maintain in operation two existing 25.11 MMBtu per hour Kewanee Scotch Marine Boilers (Model H35-600-G02) at the facility, and to keep in operation seventeen emergency generator units (EU-12) that serve different buildings around the hospital campus.

The draft construction permit will allow the facility to replace two of the emergency generator units that comprise Emissions Unit 012. The replacement will consist of two Kato 750 kW generators (Nos. 8 and 9) serving utility centers # 1 and # 2 with two new 2,000 kW Florida Detroit Diesel-Allison generator units.

TECHNICAL EVALUATION AND PRELIMINARY DETERMINATION

In addition, the draft construction permit approves the conversion of the gas fueled Caterpillar Engine, Model G3516, that provides power to the York International Chiller, Model YGTSDBJ4 (Emission Unit 011). The engine was converted from gas fuel to power by an electric motor. Given that there are no specific emissions standards for electric motors, this emissions unit will not be included in the permit.

Processing Schedule

April 19, 2011: Received the application for construction.

3. APPLICATION REVIEW

Discussion of Emissions

Emissions associated with this project (two boilers and 17 emergency generators) are NO_x, CO, PM-10, SO₂, and TOC.

Total potential emissions for the boilers and the 17 emergency generators are as follows:

Pollutant	Boilers Tons/yr/unit	Boilers Total Tons/Yr.	17 generators units Total Emissions Tons/Yr.	Facility-Wide Total Tons/Yr.
CO	3.93	7.86	6.65	14.51
NO _x	15.71	31.42	30.87	62.29
PM-10	1.57	3.14	2.17	5.31
SO ₂	5.58	11.16	2.03	13.19
TOC	0.44	0.87	2.45	3.32

State Requirements

The emission units affected by this permit shall comply with all applicable provisions of the Florida Administrative Code, and specifically the following Chapters and Rules.

Chapter 62-4	Permits
Rule 62-204.220	Ambient Air Quality Protection
Rule 62-204.240	Ambient Air Quality Standards
Rule 62-204.800	Federal Regulations Adopted by Reference
Rule 62-210.200	Definitions
Rule 62-210.300	Permits Required
Rule 62-210.350	Public Notice and Comments
Rule 62-210.370	Reports
Rule 62-210.550	Stack Height Policy
Rule 62-210.650	Circumvention
Rule 62-210.700	Excess Emissions
Rule 62-210.900	Forms and Instructions
Rule 62-297.340	Compliance Test Requirements
Rule 62-212.300	General Preconstruction Review Requirements
Rule 62-296.320	General Pollutant Emission Limiting Standards
Rule 62-297.310	General Test Requirements

Federal NSPS Provisions

The boilers are subject to portion of 40 CFR part 60 subpart Dc (60.40c-48e) Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units.

TECHNICAL EVALUATION AND PRELIMINARY DETERMINATION

In accordance with Rule 62-204.800, F.A.C., federal regulation in Title 40 of the Code of Federal Regulations was adopted by reference.

4. PRELIMINARY DETERMINATION

The Department makes a preliminary determination that the proposed project will comply with all applicable state and federal air pollution regulations as conditioned by the draft permit. This determination is based on a technical review of the complete application, reasonable assurances provided by the applicant, and the conditions specified in the draft permit. Manuel P. Delosantos is the project engineer responsible for reviewing the application and drafting the permit. Additional details of this analysis may be obtained by contacting the project engineer at the Department of Environmental Protection Southeast District Office, 400 North Congress Avenue, Suite 200, West Palm Beach, Florida 33401.



Florida Department of Environmental Protection

Southeast District Office
400 N. Congress Avenue, Suite 200
West Palm Beach, FL 33401
561-681-6600

Rick Scott
Governor

Jennifer Carroll
Lt. Governor

Herschel T. Vinyard Jr.
Secretary

June 2, 2011

Sent by Electronic Mail – Received Receipt Requested
regginald.jordan@jhs-miami.org

PERMITTEE:

Jackson Memorial Hospital
1611 NW 12th Avenue
Miami, FL 33136-1094

ARMS No.	0250232
Air Permit No.	0250232-012-AC
Issued:	
Expires:	

Authorized Representative:
Mr. Regginald Jordan

Project: On April 19, 2011, Jackson Memorial Hospital submitted an application proposing to maintain in operation two existing 25.11 MMBtu per hour Kewanee Scotch Marine Boilers (Model H35-600-G02) at the facility, and to keep in operation seventeen emergency generator units (EU-12) that serve different buildings around the hospital campus.

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LOCATED AT:

Project Location: 1611 NW 12th Avenue, Miami, Miami-Dade County

UTM Coordinates: Zone 17; 578.03 Km. E; 2852.74 Km. N

Latitude: 25°47'32" North / Longitude: 80° 12'50" West

SIC: 8062 [General Medical and Surgical Hospitals]

STATEMENT OF BASIS:

This permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Rules 62-4, and 62-204 through 62-297, and in conformance with all existing regulations of the Florida Department of Environmental Protection. The above named owner or operator is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the Department, in accordance with the terms and conditions of this permit.

SECTION I. FACILITY HISTORY

April 19, 2011: Department received application for a construction permit.

June 2, 2011: Intent to Issue and Draft permit issued

Pending: Public Notice of Intent Published

PROJECT DESCRIPTION

Jackson Memorial Hospital operates the existing facility which includes wholly separate buildings on the same campus. The facility obtained a Title V operation permit on September 30, 2005, Permit No. 0250232-009-AV. In this permit, Emissions Unit 006, a Joy Ecolaire 500 TE Incinerator, was included.

On September 29, 2000, the facility dismantled and removed the incinerator from the site. The facility was reclassified from a Title V facility to a synthetic minor facility. As result, a federally enforceable state operation permit (FESOP) was issued on September 9, 2005, Permit No. 0250232-010-AF.

On April 19, 2011, Jackson Memorial Hospital submitted an application proposing to maintain in operation two existing 25.11 MMBtu per hour Kewanee Scotch Marine Boilers (Model H35-600-G02) at the facility, and to keep in operation seventeen emergency generator units (EU-12) that serve different buildings around the hospital campus.

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In addition, the draft construction permit approves the conversion of the gas fueled Caterpillar Engine Model G3516, that provides power to the York International Chiller, Model YGTSDBJ4 (Emission Unit 011). The engine was converted from gas fuel to power by an electric motor. Given that there are no specific emissions standards for electric motors, this emissions unit will not be included in the permit.

REGULATORY CLASSIFICATION

Title III: The facility is not a major source of hazardous air pollutants (HAP)

Title IV: The facility will not operate units subject to the acid rain provisions of the Clean Air Act.

Title V: The facility is not a Title V major source of air pollution in accordance with Chapter 62-213, F.A.C.

PSD: The facility is not a PSD facility in accordance with Rule 62-212.400. F.A.C.

RACT: The facility is not subject to the RACT Rules.

BACT: The facility did a BACT determination on May 19, 1995

NSPS: The facility is subject to requirements of the NSPS 40 CFR 60

NESHAP: The facility is not subject to any requirements of 40 CFR 61.

PERMIT CONTENT:

Section I: Summary Information

Section II: Facility-Wide Specific Conditions

Section III: Emission Unit Specific Conditions

Section IV: Appendices

Appendix A: General Conditions

Appendix B: Abbreviations, Acronyms, Citations, and Identification Numbers

(Version dated 02/05/97)

ADMINISTRATIVE REQUIREMENTS

- 1.1 Regulating Agencies: All applications, tests, reports, notifications, or other submittals required by this permit shall be submitted to the Florida Department of Environmental Protection, Southeast District Office, Air Program at 400 North Congress Ave, Suite 200, West Palm Beach, Florida, 33401, (phone 561-681-6600, Fax 561/681-6790). In addition, copies shall be submitted to Dade County Department of Environmental Resources Management, Air Quality Management Division, 33 SW Second Avenue, Suite 900, Miami, Florida, 33130 (phone 305-372-6925).
- 1.2 General Conditions: The permittee shall be aware of, and operate under the attached General Conditions listed in Appendix A of this permit. General Conditions are binding and enforceable pursuant to Chapter 403 of the Florida Statutes. **[Rule 62-4.160, F.A.C.]**
- 1.3 Citation Format: Appendix B of this permit provides the format for citing applicable regulations.
- 1.4 Applicable Regulations: This facility is subject to regulation of Florida Administrative Code (F.A.C.) Rules 62-4, and 62-204 through 62-297. Issuance of this permit does not relieve the facility owner or operator from compliance with any other applicable federal, state or local permitting requirements or other regulations.
- 1.5 Other Permits: This air pollution permit does not preclude the owner or operator from obtaining any other types of required permits, licenses or certifications from this Department or other departments or agencies.
- 1.6 Operation Permit Required: This permit authorizes construction and/or installation of the permitted emissions units and initial operation to determine compliance with Department rules. **An operation permit is required for regular operation of the permitted emissions units.** The owner or operator shall **apply for and receive** an operation permit prior to expiration of this permit. An application for an operation permit shall be submitted to the Department of Environmental Protection, Southeast District Office Air Program. To apply for an operation permit, the applicant shall submit the appropriate application fee and, in quadruplicate, the appropriate application form, a certification that construction was completed with a notation of any deviations from the conditions in the construction permit, compliance test results, and such additional information as the Department may by law require. **[Rules 62-4.030, 62-4.050, 62-4.220, and 62-210.300, F.A.C.]**
- 1.7 Extension of This Permit: The expiration date of this construction permit may be extended upon request of the owner or operator and submission of the appropriate fee to the Department of ecological Protection, Southeast District Office Air Program **at least 60 days prior** to the expiration date of this permit. **[Rules 62-4.050, 62-4.080, and 62-4.220, F.A.C.]**
- 1.8 The permit also constitutes: **[Rule 62-4.160, F.A.C.]**
 - a. Determination of Best Available Control Technology (The facility did a determination on 5/11/1995)
 - b. Determination of Prevention of Significant Deterioration (PSD does NOT apply); and
 - c. Compliance with New Source Performance Standards (part of Subpart Dc does apply).

EMISSION LIMITING STANDARDS

- 2.1 Objectionable Odor Prohibited: No person shall cause, suffer, allow or permit the discharge of air pollutants which cause or contribute to an objectionable odor. [Rule 62-296.320(2), F.A.C.]
- 2.2 General Visible Emissions Standard: Unless otherwise specified by permit or rule, 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 20 percent opacity. [Rule 62-296.320(4)(b), F.A.C.]
- 2.3 Volatile Organic Compounds/Organic Solvents Emissions: No person shall store, pump, handle, process, load, unload or use in any process or installation, volatile organic compounds or organic solvents without applying known and existing vapor emission control devices or systems deemed necessary and ordered by the Department. [Rule 62-296.320(1), F.A.C.]

Such controls include the following:

- a. Tightly cover or close all VOC containers when they are not in use.
 - b. Tightly cover all open tanks that contain VOCs when they are not in use.
 - c. Maintain all pipes, valves, fittings, etc., which handle VOCs in good operating condition.
 - d. Confine rags used with VOCs to tightly closed, fireproof containers when not in use.
 - e. Immediately confine and clean up VOC spills and make sure wastes are placed in closed containers for reuse, recycling or proper disposal.
- 2.4 Unconfined Emissions of Particulate Matter: No person shall cause, let, permit, suffer or allow the emissions of unconfined particulate matter from any activity, including vehicular movement; transportation of materials; construction, alteration, demolition or wrecking; or industrially related activities such as loading, unloading, storing or handling; without taking reasonable precautions to prevent such emissions. [Rule 62-296.320(4)(c), F.A.C.]

Reasonable precautions include the following:

- a. Paving and maintenance of roads, parking areas and yards.
- b. Application of water or chemicals to control emissions from such activities as demolition of buildings, grading roads, construction, and land clearing.
- c. Application of asphalt, water, chemicals or other dust suppressants to unpaved roads, yards, open stock piles and similar activities.
- d. Removal of particulate matter from roads and other paved areas under the control of the owner or operator of the facility to prevent reentrainment, and from buildings or work areas to prevent particulate from becoming airborne.
- e. Landscaping or planting of vegetation.
- f. Use of hoods, fans, filters, and similar equipment to contain, capture and/or vent particulate matter.
- g. Confining abrasive blasting where possible.
- h. Enclosure or covering of conveyor systems.
- i. Substitution of powdery materials with granular or pelletized materials, where possible.

PERFORMANCE STANDARDS

- 3.1 Circumvention: No person shall circumvent any air pollution control device, or allow the emission of air pollutants without the applicable air pollution control device operating properly. [Rule 62-210.650, F.A.C.]

3.2 Excess Emissions Requirements

(a) Excess emissions resulting from startup, shutdown or malfunction of any emissions 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. [Rule 62-210.700(1), F.A.C.]

(b) 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. [Rule 62-210.700(4), F.A.C.]

(c) In case of excess emissions resulting from malfunctions, the permittee shall notify the Air Pollution Control Section of the Department of Environmental Protection within one working day of: the nature, extent, and duration of the excess emissions; the cause of the problem; and the corrective actions being taken to prevent recurrence. [Rule 62-210.700(6), F.A.C.]

(d) Considering operational variations in types of industrial equipment operations affected by this rule, the Department may adjust the maximum and minimum factors to provide reasonable and practical regulatory controls consistent with the public interest. [Rule 62-210.700(5), F.A.C.]

COMPLIANCE MONITORING REQUIREMENTS

4.1 Duration: Unless otherwise specified in this permit, all records and reports required by this permit shall be kept for at least 3 years from the date the information was recorded. [Rule 63-4.160(14)(b), F.A.C.]

4.2 Test Procedures: All test methods and procedures shall be performed in accordance with the applicable requirements of Chapter 62-297, F.A.C.

4.3 Testing at Capacity: Unless otherwise stated in the applicable emission limiting standard for a rule, testing of emissions shall be conducted with the emissions unit operating at permitting capacity. Permitting Capacity is defined as 90 to 100 percent of the maximum operation rate allowed by the permit. If it is impracticable to test at permitting capacity, an emission unit may be tested at less than the permitting capacity, in this case, subsequent emissions unit operation is limited to 110 percent of the test load until a new test is conducted. Once the unit is so limited, operation at higher capacities is allowed for no more than 15 consecutive days for the purpose of additional compliance testing to regain the authority to operate at the permitted capacity. [Rule 62-297.310(2), F.A.C.]

4.4 Test Notification: At least (15) days prior to the date on which each formal compliance test is to begin, the permittee shall notify the Department in writing of: the test date; the expected test time; the location of the test; the facility contact person responsible for coordinating the test; and the person or company conducting the test. The 15 day notification requirement may be waived at the discretion of the Department. Likewise, if circumstances prevent testing during the 60-day test window specified for the emissions unit, the owner or operator may request an alternate test date before the expiration of the window. [Rule 62-297.310(7)(b), F.A.C.]

4.5 Special Compliance Tests: When the Department, after investigation, has good reason (such as complaints, increased visible emissions or questionable maintenance of control equipment) to believe that any applicable emission standard in Rules 62-204 through 62-297 or in a permit issued pursuant to those rules is being violated, it shall require the owner or operator of the emissions unit to conduct compliance tests which identify the nature and quantity of pollutant emissions from the emissions unit and to provide a report on the results of said tests to the Department. [Rule 62-297.310(7)(b), F.A.C.]

REPORT REQUIRED

- 5.1 Excess Emissions Report: If excess emissions occur, the Department may request a written summary report of the incident. **[Rule 62-210.370(3), F.A.C.]**
- 5.2 Compliance Test Reports: Compliance test reports shall be submitted to the Department of Environmental Protection, Southeast District Office, Air Compliance Section, as soon as practical, but no later than 45 days after the last sampling run of each test is completed. **[Rule 62-297.310(8), F.A.C.]**
- 5.5 Annual Operations Report: On or before April 1st of each calendar year, a completed DEP Form 62-210.900(5), Annual Operating Report (AOR) Form for Air Pollutant Emitting Facility shall be submitted to the Department of Environmental Protection Southeast District Office, if the report is submitted using the Department's electronic annual operating report software, there is no requirement to submit a hard copy to the district office. **[Rule 62-210.370(3)(c), F.A.C.]**

PART III A -- EMISSION UNIT SPECIFIC CONDITIONS

This part of this permit addresses the following emission unit(s):

Emissions Unit Number	Emissions Unit Description
-008	A 600 HP Fire Tube Kewanee Scotch Marine Boiler with 25.11 MMBtu per hour Model H35-600-G02
-009	A 600 HP Fire Tube Kewanee Scotch Marine Boiler with 25.11 MMBtu per hour Model H35-600-G02

{These emissions units are authorized to burn natural gas or distillate fuel oil with no added air pollution control devices. Commercial operations of the units began in 1998. These emissions units are subject to 40 CFR Part 60, subpart Dc “Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units”}

EMISSIONS STANDARDS

- A.1 Visible Emission: Visible emission shall not exceed 20 percent opacity except for one 6-minute period per hour during which opacity shall not exceed 27 percent. **[Rules 62-296.406, 62-204.800, F.A.C. and 40CFR 60.40c-48c]**
- A.2 Hours of Operation: The referenced emission units are allowed to operate continuously; i.e., 8760 hours a year. **[Rule 62-4.070(3), F.A.C.]**
- A.3 Allowable Fuels: Fuel used shall be limited to natural gas except when natural gas is unavailable, during which times No. 2 distillate fuel oil with a maximum sulfur content of no greater than 0.35 percent may be burned. These emission units shall not burn oil that contains greater than 0.05 percent by weight sulfur, and shall not burn oil other than No. 2 distillate fuel oil. **[Rule 62-204.800, F.A.C., Application 02500232-012-AC]**

TESTING REQUIREMENTS

- A.4 Visible Emission Test Required: The owner or operator shall test the referenced emission units for visible emission by EPA Method 9. Visible emission tests shall be thirty minutes in duration. **[Rule 62-297.401(9)(c), F.A.C.]**
- A.5 Test Frequency: The owner or operator shall conduct such compliance tests during each federal fiscal year (October 1-September 30). **[Rule 62-297.310, F.A.C.]**

[Permit note: the test requirement may be waived by the Department, upon request by the permittee, if neither boiler burned fuel oil during the previous federal fiscal year.

- A.6 Fuel Certification: The permittee shall demonstrate compliance with the fuel oil sulfur limits based on a certification from the fuel supplier, as described under 40 CFR 60.48c(f)(1). **[Rule 62-4.070(3), F.A.C.]**

RECORDS AND REPORTS

- A.7 AOR Supplemental Information: Annual operation reports required in Part II of this permit shall include following supplemental information that was recorded in the previous calendar year: **[Rule 62-4.070(3), F.A.C.]**
- The highest percent sulfur content (by weight) of diesel fuel received.
- A.8 Fuels Records: The owner or operator shall record and maintain records of the types of fuel burned. The owner or operator shall maintain records to demonstrate that each shipment of diesel fuel has 0.35 percent or less (by weight) of sulfur and that the sulfur content was determined by ASTM methods ASTM D4057-88 and ASTM D129-91, ASTM D2622-94 or ASTM D4294-90, adopted and incorporated by reference in Rule 62-297.440(1). Certifications from the fuel supplier in accordance with the above requirement shall be satisfactory records. **[Rule 62-4.070(3), F.A.C.]**
- A.9 Fuel Consumption Limits: The owner or operator shall record and maintain records of the fuel consumption on monthly basis. **[Rule 62-4.070(3), F.A.C.]**

PART III B-- EMISSION UNIT SPECIFIC CONDITIONS

This part of this permit addresses the following emission units:

E.U. No.	Brief Description
-012	Kato Generator (Emergency Center # 1)
	Kato Generator (Emergency Center # 2)
	Kato Generator (Emergency Center # 3)
	Kato Generator (Emergency Center # 4)
	Cat Generator (Utility Center # 1)
	Cat Generator (Utility Center # 2)
	Cat Generator (Utility Center # 3)
	Detroit Diesel-Allison Generators (Utility Center # 1) (New)
	Detroit Diesel-Allison Generators (Utility Center # 2) (New)
	ONAN Generator Highlands
	PERKING Generator Children center
	EM Generator J Medical center
	Detroit Allison Generator
	ONAN/WAKISHA Generator UCC
	CUMMINS Generator North Wing
	CUMMINS Generator P Plaza West
CUMMINS Generator P Plaza East	

PERFORMANCE RESTRICTIONS

- B.1 Methods of Operation: Fuel burned shall be limited to number 2 distillate fuel oil with a maximum sulfur content of 0.05 percent by weight. [Rule 62-4.070(3), F.A.C. and Application 0250232-012-AC]
- B.2 Fuel Consumption Limit: Fuel Consumption shall not exceed more than 1,000,000 gallons of fuel oil in any calendar year. [Rule 62-4.070(3), F.A.C.]
- B.3 Fuel Sulfur Content. The fuel sulfur content, percent by weight, for fuel oil shall be evaluated using either ASTM D2622-92, ASTM D4294-90, both ASTM D4057-88 and ASTM D129-91, or the latest edition. [Rule 62-4.070(3), F.A.C.]

RECORDS AND REPORTS

- B.4 Hours of Operation: The owner or operator shall record and maintain records of the hours of operation of each generator unit on a monthly basis. [Rule 62-4.070(3), F.A.C.]
- B.5 Fuel Consumption: The owner or operator shall record and maintain records of the fuel consumption on a monthly basis. Monthly records for the preceding month shall be completed by the 10th of the following month. [Rule 62-4.070(3), F.A.C.]

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- B.6 Fuel Certification: The owner or operator shall maintain records to demonstrate that each shipment of diesel fuel has 0.05 percent or less by weight of sulfur. Certifications from the supplier shall be satisfactory records. [Rule 62-4.070(3), F.A.C.]
- B.7 AOR Supplemental Information: The Annual Operating Report required in Part II of this permit shall include the following information that was recorded in the previous calendar year. [Rule 62-4.070(3), F.A.C.]
- The highest percent sulfur content by weight of diesel fuel received.

Executed in West Palm Beach, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION

DRAFT

Jill S. Creech, P.E.
Southeast District Director

Date

JC/LA/md

cc:

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FILING AND ACKNOWLEDGMENT: FILED, on this date, pursuant to § 120.52(7), F.S., with the designated Department Clerk, receipt of which is hereby acknowledged.

Clerk

Date