Florida Department of Environmental Protection
Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

Rick Scott
Governor

Jennifer Carroll
Lt. Governor

Herschel T. Vinyard Jr.
Secretary

Electronically Sent- Received Receipt Requested

FINAL PERMIT

PERMITTEE
Health First
8745 N. Wickham Road
Melbourne, FL 32940

Authorized Representative:
Mr. Bob Boyd,
Project Manager of Construction Department

Air Permit No. 0090230-002-AO
Permit Expires: December 30, 2016
Site Name: Viera Hospital
Minor Source Air Operation Permit
Project Name: **Initial Air Operation Permit**

This is the final **initial** air operation permit, which authorizes Health First to operate two (2) 1500 kW Emergency Generators and two (2) 350 HP Steam Boilers. Viera Hospital (Standard Industrial Classification No. 80) is located in Brevard County at 8745 N. Wickham Road, Melbourne, Florida. The UTM coordinates are Zone 17, 524.24 km East, and 3123.42 km North.

This final permit is organized by the following sections:
Section 1. General Information.
Section 2. Administrative Requirements.
Section 3. Emissions Unit Specific Conditions.
Section 4. Appendices.

Because of the technical nature of the project, the permit contains numerous acronyms and abbreviations, which are defined in Appendix A of Section 4 of this permit.

This air pollution permit is issued under the provisions of Chapter 403 of the Florida Statutes (F.S.) and Chapters 62-4, 62-204, 63-210, 62-212, 62-296, and 62-297 of the Florida Administrative Code (F.A.C.). The permittee is authorized to conduct the proposed work in accordance with the conditions of this permit.

A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative proceeding (hearing) under sections 120.569 and 120.57 of the Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000. Petitions filed by the permit applicant or any of the parties listed below must be filed within fourteen days of receipt of this notice of final permit. Petitions filed by any persons other than those entitled to written notice under section 120.60(3) of the Florida Statutes must be filed within fourteen days of publication of the public notice or within fourteen days of receipt of this notice of final permit, whichever occurs first. Under section 120.60(3), however, any person who asked the Department for notice of agency action may file a petition within fourteen 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 will be only at the approval of the presiding officer upon the filing of a motion in compliance with rule 28-106.205 of the Florida Administrative Code.

All petitions filed under these rules shall contain:

(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 the petitioner received notice of the agency decision;
(d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
(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 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 Department'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 of the Florida Administrative Code.

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

Mediation is not available in this proceeding.

Any party to this order has the right to seek judicial review of it under section 120.68 of the Florida Statutes, by filing a notice of appeal under rule 9.110 of the Florida Rules of Appellate Procedure with the clerk of the Department of Environmental Protection in the Office of General Counsel, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000, and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice must be filed within thirty days after this order is filed with the clerk of the Department.

Executed in Orange County, Florida

December 7, 2011

Caroline D. Shine
District Air Program Administrator
Central District

Effective Date

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Final Air Permit package (including the Final Air Operation Permit and the Appendices) 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 12/08/11 to the persons listed below.

Mr. Bob Boyd, Project Manager of Construction Dept., Health First **(Bob.Boyd@health-first.org)**
Mr. James Show, P.E., V.P. Engineering, Grove Scientific **(j_sshow@bellsouth.net)**
Ms. Sara Greivell, Environmental Scientist, Grove Scientific **(sara@grovescientific.com)**

Clerk Stamp

FILED on this date, pursuant to Section 120.52, Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

12/08/11

Clerk

Date

FACILITY AND PROJECT DESCRIPTION

Viera Hospital

The facility will be a 100-bed, acute-care, not-for-profit medical facility that offers a comprehensive range of healthcare services.

The existing facility consists of the following emissions units.

Facility ID No. 0090230	
ID No.	Emissions Unit Description
001	(2) 1500kW Emergency Generators
002	(2) 350 HP Steam Boilers

Project Description and Emission Units

This project is the Initial Air Operation Permit for this facility and the purpose of this project is to operate two (2) 1500 kW Emergency Generators and two (2) Steam Boilers.

NOTE: *Please reference the Permit No., Facility ID, and Emission Unit ID in all correspondence, test report submittals, applications, etc.*

FACILITY REGULATORY CLASSIFICATION

- 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 (CAA).
- 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 (PSD), F.A.C.

SECTION 2. ADMINISTRATIVE REQUIREMENTS (FINAL)

1. Permitting Authority: The permitting authority for this project is the Florida Department of Environmental Protection, Central District Office. The Central District Office's mailing address and phone number is:

   Florida Department of Environmental Protection
   Central District Office
   Air Resource Management Section
   3319 Maguire Blvd., Suite 232
   Orlando, Florida 32803-3767
   Telephone: 407-897-4100

   All documents related to applications for permits to operate an emissions unit shall be submitted to the above address.

2. Compliance Authority: All documents related to compliance activities such as reports, tests, and notifications shall be submitted to the Central District Office's Air Resource Management Section (see above mailing address and phone number).

3. Appendices: The following Appendices are attached as part of this permit:

   a. Appendix A. Citation Formats and Glossary of Common Terms;
   b. Appendix B. General Conditions;
   c. Appendix C. Common Conditions;
   d. Appendix D. Common Testing Requirements;
   e. Appendix E. 40 CFR Part 60, Subpart A- General Provisions;
   f. Appendix F. 40 CFR Part 60, Subpart IIII– Standards of Performance for Stationary Compression Ignition Internal Combustion Engines; and
   g. Appendix G. 40 CFR Part 60, Subpart Dc- Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units

4. Applicable Regulations, Forms and Application Procedures: Unless otherwise specified in this permit, the construction and operation of the subject emissions units shall be in accordance with the capacities and specifications stated in the application. The facility is subject to all applicable provisions of: Chapter 403, F.S.; and Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-296 and 62-297, F.A.C. Issuance of this permit does not relieve the permittee from compliance with any applicable federal, state, or local permitting or regulations.

5. New or Additional Conditions: For good cause shown and after notice and an administrative hearing, if requested, the Department may require the permittee to conform to new or additional conditions. The Department shall allow the permittee a reasonable time to conform to the new or additional conditions, and on application of the permittee, the Department may grant additional time. [Rule 62-4.080, F.A.C.]

6. Modifications: The permittee shall notify the Compliance Authority upon commencement of construction. No new emissions unit shall be constructed and no existing emissions unit shall be modified without obtaining an air construction permit from the Department. Such permit shall be obtained prior to beginning construction or modification. [Rules 62-210.300(1) and 62-212.300(1)(a), F.A.C.]

7. Annual Operating Report: On or before **April 1** of each year, the permittee shall submit a completed DEP Form 62-210.900(5), "Annual Operating Report for Air Pollutant Emitting Facility" (AOR) for the preceding calendar year. The report may be submitted electronically in accordance with the instructions received with the AOR package sent by the Department, or a hardcopy may be sent to the Compliance Authority.
   [Rule 62-210.370(3), F.A.C.]

8. Operation Permit Renewal Application: A completed application for renewal of the operation permit shall be submitted to the Permitting Authority no later than 60 days prior to the expiration date of the operation permit. To properly apply for an operation permit, the applicant shall submit the following:

   a. the appropriate permit application form *(see current version of Rule 62-210.900, F.A.C. (Forms and Instructions), and/or FDEP Division of Air Resource Management website at: http://www.dep.state.fl.us/air/)*;

   b. the appropriate operation permit application fee from Rule 62-4.050(4)(a), F.A.C; and

   c. a copy of the most recent compliance test reports required by Specific Condition Nos. **A.7.** and **B.7.**, if not previously submitted.

   The application shall be submitted to the Permitting Authority.

   [Rules 62-4.030, 62-4.050, and 62-4.220, F.A.C.]

A. EU No. 001-(2) 1500kW Emergency Generators

This section of the permit addresses the following emissions unit.

ID No.	Emissions Unit Description				
001	**Generator #**	**Manufacturer**	**Model #**	**Serial #**	**Size**
	1	Caterpillar	3512C	CAT3512CHSBG00595	1500kW
	2	Caterpillar	3512C	CAT3512CLSBG00594	1500kW

EQUIPMENT

A.1. Emergency Generators: The permittee is authorized to operate two (2) emergency generators that are diesel fuel-fired. The engine manufacture date is 11/21/2008 for the generators. The engine is a 12 cylinder engine and has a displacement of 51.8 liters; therefore, the engine has a displacement of 4.32 liters per cylinder.
[Rule 62-4.070(3), F.A.C.]

PERFORMANCE RESTRICTIONS

A.2. Federal Regulatory Requirements: This emission unit is subject to 40 CFR Part 60, Subpart A-General Provisions (See Appendix E) and Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (See Appendix F), which is adopted by reference in Rule 62-204.800, F.A.C. The conditions are incorporated into this permit (attached and part of this permit). [Rule 62-204.800(8), F.A.C.]

{*Permitting Note: Non-Resettable hour meters have been installed. Maintenance check and readiness testing is limited to 100 hours per year. See maximum fuel sulfur content condition* ***A.4.*** }

A.3. Permitted Capacity: The total new no. 2 fuel oil (diesel fuel) usage for the emergency generators shall not exceed 105,000 gallons per any consecutive 12-months period.
[Rule 62-210.200(PTE), F.A.C.]

A.4. Authorized Fuel: The emergency generators shall be fired with new no. 2 oil (diesel fuel) only having a maximum sulfur content of 15 ppm.
[Rules 62-210.200(PTE) and 62-204.800(8), F.A.C.]

A.5. Restricted Operation: The hours of operation of for each emergency generator are limited to 500 hours per year. [Rule 62-4.070(3), F.A.C.]

EMISSIONS STANDARDS

A.6. Visible Emissions (VE) Limitation: No person shall cause, let, permit 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)1. (General Visible Emission Standard), F.A.C.]

TESTING REQUIREMENTS

A.7. Compliance Tests: The emissions unit shall be tested to demonstrate compliance with the emissions standards for visible emissions at least ninety (90) days prior to the expiration date of this operation permit. **The test period shall be 30 minutes for each emergency generator**. [Rules 62-4.070(3) and 62-297.310(7)(a)1, F.A.C.]

A.8. Test Requirements: Tests shall be conducted in accordance with the applicable requirements specified in Appendix D (Common Testing Requirements) of this permit.
[Rule 62-297.310(7)(a)9., F.A.C.]

A.9. Test Method(s): Required tests shall be performed in accordance with the following reference method(s).

EPA Method	Description of Method
EPA 9	Visual Determination of the Opacity of Emissions from Stationary Sources

The above method(s) are described in Appendix A of 40 CFR 60 and are adopted by reference in Rule 62-204.800, F.A.C. No other method(s) may be used unless prior written approval is received from the Department.
[Rules 62-204.800 and 62-297.100, F.A.C.; and Appendix A of 40 CFR 60]

NOTIFICATION REQUIREMENTS

A.10. Test Notification: The permittee shall notify the Compliance Authority, at least 15 days prior to the date on which each formal compliance test is to begin, of the date, time, and place of each such test, and the test contact person who will be responsible for coordinating and having such test conducted for the permittee.
[Rules 62-4.070(3) and 62-297.310(7)(a)9., F.A.C.]

RECORDS AND REPORTS

A.11. Test Reports: The permittee shall prepare and submit reports for all required tests in accordance with the requirements specified in Appendix D (Common Testing Requirements) of this permit. [Rule 62-297.310(8), F.A.C.]

A.12. Fuel Sulfur Content Records: In order to demonstrate ongoing compliance with Specific Condition **A.4.,** the permittee shall maintain fuel supplier documentation of fuel oil sulfur content, by weight, for each shipment of fuel oil. The fuel sulfur content for liquid fuels shall be evaluated using ASTM methods ASTM D4057-88 and one of the following ASTM D2622-94, ASTM D4294-90(95), ASTM 1552-95, ASTM D1266-91, ASTM D129-95 or latest editions. Alternately, after written notification to and approval from the Permitting Authority, the permittee may use other DEP Air Program-approved methods, i.e. alternate sampling procedures, for sulfur in petroleum products.
[Rules 62-210.300(3)(c)1.c. and 62-297.440, F.A.C.]

A.13. Monthly Recordkeeping Requirements: In order to demonstrate compliance with Specific Condition Nos. **A.2., A.3., A.4., and A.5.,** the permittee shall maintain a log at the facility for a period of at least 5 years from the date the data is recorded and made available to the Department upon request. The log shall contain the following:

a. Facility Name, Facility ID No. (i.e., 1270010);

b. Month and year of record;

c. Total amount of diesel fuel (gallons) fired by **all** emergency generators for each **consecutive 12-month period** and for **each month**.

d. Fuel records relating to General Condition 14.c. in Appendix B (General Conditions).

e. Maintenance check and readiness testing hours for **each** emergency generator for the most recent consecutive 12-month period (limited to 100 hours per year).

f. Total operational hours for **each** emergency generator for the most recent consecutive 12-month period.

The monthly logs shall be completed by the end of the following month.

Note: A consecutive 12 months total is equal to the total for the month in question plus the totals for the eleven months previous to the month in question. A consecutive 12-months total treats each month of the year as the end of a 12-months period. A 12-months total is not a year-to-date total. Facilities or emission units that have not been operating for 12 months should retain 12 months totals using whatever number of months of data are available until such a time as a consecutive 12 months total can be maintained each month.
[Rule 62-4.070(3), F.A.C.]

A.14. Record Retention: All records required in Specific Condition Nos. **A.12.** and **A.13**. shall be maintained by the permittee for a period of five (5) years following the date of such record.
[Rule 62-4.070(3), F.A.C.]

B. EU No. 002-(2) 350HP Steam Boilers

This section of the permit addresses the following emissions unit.

ID No.	Emissions Unit Description				
002	**Boiler #**	**Manufacturer**	**Model #**	**Serial #**	**Size**
	1	Cleaver Brooks	CB-200-350-150ST	T1159-1-1	350HP
	2	Cleaver Brooks	CB-200-350-150ST	T1159-1-2	350HP

EQUIPMENT

B.1. Steam Boilers: The permittee is authorized to operate two (2) steam boilers that have a maximum heat input rate of 13.5 MMBtu/hr. The boilers are fired on natural gas as a primary fuel and use new no. 2 oil (diesel fuel) as a back-up fuel.
[Rule 62-4.070(3), F.A.C.]

PERFORMANCE RESTRICTIONS

B.2. Federal Regulatory Requirements: This emission unit is subject to 40 CFR 60, Subpart A-General Provisions (See Appendix E) and Subpart Dc - Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units (See Appendix G), which is adopted by reference in Rule 62-204.800, F.A.C. The conditions are incorporated into this permit (attached and part of this permit).
[Rule 62-204.800(8), F.A.C.]

{Permitting Note: The boilers are subject to 40 CFR 60 Subpart Dc, record keeping requirements only.}

B.3. Permitted Capacity:

a. The boilers shall only be fired with natural gas at a maximum total usage rate of 237.6 MMCF per any consecutive 12-month period.

b. The facility may test the boilers on a regular basis on new No. 2 fuel oil (backup fuel), and in the event of natural gas curtailment by the natural gas supplier, the boilers are allowed to be fired with new No. 2 fuel oil. The maximum total new No. 2 fuel oil usage shall be limited to 4,704 gallons per any consecutive 12-month period. The fuel oil shall have a maximum sulfur content of 0.5 percent, by weight.

[Rule 62-210.200, (PTE), F.A.C.]

B.4. Restricted Operation: The hours of operation of are not limited (8760 hours per year).
[Rules 62-4.070(3) and 62-210.200(PTE), F.A.C.]

EMISSIONS STANDARDS

B.5. General Pollutant Emission Limiting Standards. Objectionable Odor Prohibited: No person shall cause, suffer, allow, or permit the discharge of air pollutants, which cause or contribute to an objectionable odor. An objectionable odor is any odor present in the outdoor atmosphere, which by itself or in combination with other odors, is or may be harmful or injurious to human health or welfare, which unreasonably interferes with the comfortable use and enjoyment of life or property, or which creates a nuisance.
[Rules 62-210.200 and 62-296.320(2), F.A.C.]

B.6. Visible Emissions (VE) Limitation: The visible emissions limitation for the boilers shall comply with Rule 62-296.406(1), F.A.C. (up to 20 percent opacity, except for one 2-minute period per hour during which opacity shall not exceed 40 percent).
[Rule 62-296.406(1), F.A.C.]

TESTING REQUIREMENTS

B.7. Compliance Tests: Each boiler shall be tested to demonstrate compliance with the emissions standards for visible emissions specified in Specific Condition **B.6.** prior to the expiration date of this permit if:

a. burning gaseous fuel(s) in combination with any amount of liquid fuel(s) for 400 hours or more per year; or

b. burning only liquid fuel(s) for 400 hours or more per year.

The test period shall be 60 minutes for each steam boiler that is required to be tested.
[Rules 62-297.310(4)(a)2., and 62-297.310(7)(a)4.a., F.A.C.]

B.8. Test Requirements: Tests shall be conducted in accordance with the applicable requirements specified in Appendix D (Common Testing Requirements) of this permit.
[Rule 62-297.310(7)(a)9., F.A.C.]

B.9. Test Method(s): Required tests shall be performed in accordance with the following reference method(s).

EPA Method	Description of Method
EPA 9	Visual Determination of the Opacity of Emissions from Stationary Sources

The above method(s) are described in Appendix A of 40 CFR 60 and are adopted by reference in Rule 62-204.800, F.A.C. No other method(s) may be used unless prior written approval is received from the Department.
[Rules 62-204.800 and 62-297.100, F.A.C.; and Appendix A of 40 CFR 60]

NOTIFICATION REQUIREMENTS

B.10. Test Notification: The permittee shall notify the Compliance Authority, at least 15 days prior to the date on which each formal compliance test is to begin, of the date, time, and place of each such test, and the test contact person who will be responsible for coordinating and having such test conducted for the permittee.
[Rules 62-4.070(3) and 62-297.310(7)(a)9., F.A.C.]

RECORDS AND REPORTS

B.11. Test Reports: The permittee shall prepare and submit reports for all required tests in accordance with the requirements specified in Appendix D (Common Testing Requirements) of this permit.
[Rule 62-297.310(8), F.A.C.]

B.12. Monthly Recordkeeping Requirements: In order to demonstrate compliance with Specific Condition Nos. **B.2., B.3.a.** and **b**., the permittee shall maintain a log at the facility for a period of at least 5 years from the date the data is recorded and made available to the Department upon request. The log shall contain the following:

a. Total amount of natural gas used (fired), in million cubic feet, for each **consecutive 12-month period** and for **each month**;

b. Total amount of new no. 2 fuel oil used (fired), in gallons, for each **consecutive 12-month period** and for **each month**;

c. Fuel oil analysis of the sulfur content, percent by weight, of the fuel oil used. (See specific Condition No. **B.14.**); and

d. Fuel records relating to General Condition No. 14.c. in Appendix B (General Conditions).

The monthly logs shall be completed by the end of the following month.

Note: A consecutive 12 months total is equal to the total for the month in question plus the totals for the eleven months previous to the month in question. A consecutive 12-months total treats each month of the year as the end of a 12-months period. A 12-months total is not a year-to-date total. Facilities or emission units that have not been operating for 12 months should retain 12 months totals using whatever number of months of data are available until such a time as a consecutive 12 months total can be maintained each month.
[Rule 62-4.070(3), F.A.C.]

B.13. Additional Recordkeeping Requirements: Records specified in Specific Condition No. **B.12.** above, must document the method, calculations, and formulas used in determining the usage rate and the emission rate. All calculations, including those used to derive emissions, must be

clearly documented, and may be presented in the form of a template of sample calculations and available for review on site by the Department. [Rule 62-4.070(3), F.A.C.]

B.14. Fuel Sulfur Content Records: In order to demonstrate ongoing compliance, the permittee shall maintain fuel supplier documentation of fuel oil sulfur content, by weight, for each shipment of fuel oil. The fuel sulfur content for liquid fuels shall be evaluated using ASTM methods ASTM D4057-88 and one of the following ASTM D2622-94, ASTM D4294-90(95), ASTM 1552-95, ASTM D1266-91, ASTM D129-95 or latest editions. Alternately, after written notification to and approval from the Permitting Authority, the permittee may use other DEP Air Program-approved methods, i.e. alternate sampling procedures, for sulfur in petroleum products. [Rules 62-210.300(3)(c)1.c. and 62-297.440, F.A.C.]

B.15. Record Retention: All records required in Specific Condition Nos. **B.12., B.13., and B.14.** shall be maintained by the permittee for a period of five (5) years following the date of such record. [Rule 62-4.070(3), F.A.C.]