INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
We make Indiana a cleaner, healthier place to live.

Mitchell E. Daniels, Jr.
Governor

Thomas W. Easterly
Commissioner

100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
(800) 451-6027
(317) 232-8603
www.IN.gov/idem

NOTICE OF 30-DAY PERIOD FOR PUBLIC COMMENT

Preliminary Findings Regarding a Minor Source Operating Permit

for Lafayette Home Hospital in Tippecanoe County

MSOP: M157-23786-00052

The Indiana Department of Environmental Management (IDEM), has received an application from Lafayette Home Hospital located at 2400 South Street, Lafayette, Indiana 47904, for the transition from a Part 70 Operating Permit, also called a Title V Permit to a Minor Source Operating Permit (MSOP). IDEM's Office of Air Quality (OAQ) issues this type of permit to regulate the operation and modifications at existing sources that release air pollutants.

IDEM has reviewed this application, and has developed preliminary findings, consisting of a draft permit and several associated documents, that would allow Lafayette Home Hospital to continue to operate a general medical hospital. If this would operate 365 days a year, 24 hours a day, 7 days a week, it could potentially release 4.48 tons per year of Particulate Matter (PM), 3.90 tons per year of PM_{10}, 28.57 tons per year of Sulfur Dioxide (SO_2), 2.427 tons of Volatile Organic Compounds (VOC), 27.61 tons per year of Carbon Monoxide (CO), 59.00 tons per year of Nitrogen Oxides (NOx) and 1.586 ton per year of Hazardous Air Pollutants (HAP).

A copy of the permit application and IDEM's preliminary findings are available at:

Tippecanoe Public Library
627 South Street
Lafayette, IN 47901-1470

A copy of the preliminary findings is available on the Internet at: www.IN.gov/idem/permits/air/pending.html.

How can you participate in this process?

The day after this announcement is published in a newspaper marks the beginning of a 30-day public comment period. During that 30-day period, you may comment on this draft permit. If the 30th day of the comment period falls on a day when IDEM offices are closed for business, all comments must be postmarked or delivered in person on the next business day that IDEM is open.

You may request that IDEM hold a public hearing about this draft permit. If adverse comments concerning the **air pollution impact** of this draft permit are received, with a request for a public hearing, IDEM may hold a public hearing. If a public hearing is held, IDEM will make a separate announcement of the date, time, and location of that hearing. At a hearing, you would have an opportunity to submit written comments, make verbal comments, ask questions, and discuss any air pollution concerns with IDEM staff.

Comments and supporting documentation, or a request for a public hearing, should be sent in writing to IDEM. If you do not want to comment at this time, but would like to be added to IDEM's mailing list to receive notice

of future action related to this permit application, please contact IDEM. Please refer to permit number M157-23786-00052 in all correspondence.

To Contact IDEM:

Marcia Earl
IDEM, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
(800) 451-6027, ask for extension (3-0863)
Or dial directly: (317) 233-0863
E-mail: mearl@idem.in.gov

All comments will be considered by IDEM when we make a decision to issue or deny the permit. Comments that are most likely to affect final permit decisions are those based on the rules and laws governing this permitting process (326 IAC 2), air quality issues, and technical issues. IDEM does not have legal authority to regulate zoning, odor or noise. For such issues, please contact your local officials.

What will happen after IDEM makes a decision?

Following the end of the public comment period, IDEM will issue a Notice of Decision stating whether the permit has been issued or denied. If the permit is issued, it may be different than the draft permit because of comments that were received during the public comment period. If comments are received during the public notice period, the final decision will include a document that summarizes the comments and IDEM's response to those comments. If you have submitted comments or have asked to be added to the mailing list, you will receive a Notice of the Decision. The notice will provide details on how you may appeal IDEM's decision, if you disagree with that decision. The final decision will also be available on the Internet at the address indicated above, at the local library indicated above, and the IDEM public file room on the 12th floor of the Indiana Government Center North, 100 N. Senate, Indianapolis.

If you have any questions please contact Marcia Earl of my staff at the above address.

Nisha Sizemore, Chief
Permits Branch
Office of Air Quality

For additional information about air permits, and how you can participate, please see IDEM **Citizens' Guide to Public Participation** and **Permit Guide** on the Internet at: www.in.gov/idem/permits/guide/.

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DRAFT

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Minor Source Operating Permit
OFFICE OF AIR QUALITY

Lafayette Home Hospital
2400 South Street
Lafayette, Indiana 47904

(herein known as the Permittee) is hereby authorized to operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this permit.

This permit is issued to the above mentioned company under the provisions of 326 IAC 2-1.1, 326 IAC 2-6.1 and 40 CFR 52.780, with conditions listed on the attached pages.

Indiana statutes from IC 13 and rules from 326 IAC, quoted in conditions in this permit, are those applicable at the time the permit was issued. The issuance or possession of this permit shall not alone constitute a defense against an alleged violation of any law, regulation or standard, except for the requirement to obtain a MSOP under 326 IAC 2-6.1.

Operation Permit No.: M157-23786-00052	
Issued by: Nisha Sizemore, Chief Permits Branch Office of Air Quality	Issuance Date: Expiration Date:

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SECTION A SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the source contained in conditions A.1 and A.2 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

A.1 General Information [326 IAC 2-5.1-3(c)][326 IAC 2-6.1-4(a)]

The Permittee owns and operates a stationary general medical hospital.

Source Address:	2400 South Street, Lafayette, Indiana 47904
Mailing Address:	2400 South Street, Lafayette, Indiana
General Source Phone Number:	(765) 449-3129
SIC Code:	8062
County Location:	Tippecanoe
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Minor Source Operating Permit Program Minor Source, under PSD and Emission Offset Rules Minor Source, Section 112 of the Clean Air Act Not 1 of 28 Source Categories

A.2 Emission Units and Pollution Control Equipment Summary

This stationary source consists of the following emission units and pollution control devices:

(a) Three (3) natural gas-fired boilers, firing No. 2 distillate oil as backup, identified as B-1, B-2 and B-3, all installed in 1971, all exhausting to Stack B-1, with a maximum heat input of 20.9 million British thermal units per hour, each. [326 IAC 6-3-2]

(b) Emergency genators as follows: diesel-fired not exceeding 1,600 horsepower: Three (3) diesel - fired emergency generators, identified as G-1, G-2, installed in 1975 and G-3, installed in 1976 all exhausting to Stack G-1, rated at 1,100 horsepower, each.

(c) Paved and unpaved roads and parking lots with public access. [326 IAC 6-4]

(d) A petroleum fuel, other than gasoline, dispensing facility, having a storage capacity of less than or equal to 10,500 gallons, and dispensing less than or equal to 230,000 gallons per month: Four (4) fuel storage tanks, identified as T-1, T-2, installed in 1971, T-3 and T-4, installed in 1981 all exhausting to a vent, capacity: 10,000 gallons of No.2 distillate fuel, each. Total VOC emissions from fuel tanks: 0.267 tons per year.

(e) Degreasing operations that do not exceed 145 gallons per 12 months, installed before January 1, 1980.

(f) A laboratory as defined in 326 IAC 2-7-1(21)(D).

(g) Activities or categories of activities with individual HAP emissions emitting greater than one (1) pound per day but less than 5 pounds per day or one (1) ton per year of a single HAP: One (1) ethylene oxide sterilizer, identified as E-1, ethylene oxide emissions 0.00147 pounds pe rhour or 0.0353 pounds per day.

SECTION B GENERAL CONDITIONS

B.1 Definitions [326 IAC 2-1.1-1]

Terms in this permit shall have the definition assigned to such terms in the referenced regulation. In the absence of definitions in the referenced regulation, the applicable definitions found in the statutes or regulations (IC 13-11, 326 IAC 1-2 and 326 IAC 2-1.1-1) shall prevail.

B.2 Permit Term [326 IAC 2-6.1-7(a)][326 IAC 2-1.1-9.5][IC 13-15-3-6(a)]

(a) This permit, M157-23786-00052, is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.

(b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, until the renewal permit has been issued or denied.

B.3 Term of Conditions [326 IAC 2-1.1-9.5]

Notwithstanding the permit term of a permit to construct, a permit to operate, or a permit modification, any condition established in a permit issued pursuant to a permitting program approved in the state implementation plan shall remain in effect until:

(a) the condition is modified in a subsequent permit action pursuant to Title I of the Clean Air Act; or

(b) the emission unit to which the condition pertains permanently ceases operation.

B.4 Enforceability

Unless otherwise stated, all terms and conditions in this permit, including any provisions designed to limit the source's potential to emit, are enforceable by IDEM, the United States Environmental Protection Agency (U.S. EPA) and by citizens in accordance with the Clean Air Act.

B.5 Severability

The provisions of this permit are severable; a determination that any portion of this permit is invalid shall not affect the validity of the remainder of the permit.

B.6 Property Rights or Exclusive Privilege

This permit does not convey any property rights of any sort or any exclusive privilege.

B.7 Duty to Provide Information

(a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The submittal by the Permittee does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1). Upon request, the Permittee shall also furnish to IDEM, OAQ copies of records required to be kept by this permit.

(b) For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1. When furnishing copies of requested records directly to U. S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.

B.8 Certification

(a) Where specifically designated by this permit or required by an applicable requirement, any application form, report, or compliance certification submitted shall contain certification by an "authorized individual" of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

(b) One (1) certification shall be included, using the attached Certification Form, with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.

(c) An "authorized individual" is defined at 326 IAC 2-1.1-1(1).

B.9 Annual Notification [326 IAC 2-6.1-5(a)(5)]

(a) An annual notification shall be submitted by an authorized individual to the Office of Air Quality stating whether or not the source is in operation and in compliance with the terms and conditions contained in this permit.

(b) The annual notice shall be submitted in the format attached no later than March 1 of each year to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, IN 46204-2251

(c) The notification shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

B.10 Preventive Maintenance Plan [326 IAC 1-6-3]

(a) If required by specific condition(s) in Section D of this permit, the Permittee shall maintain and implement Preventive Maintenance Plans (PMPs) including the following information on each facility:

(1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;

(2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and

(3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

(b) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of limitation on emissions or potential to emit. The PMPs do not require the certification by "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(c) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

B.11 Prior Permits Superseded [326 IAC 2-1.1-9.5]

(a) All terms and conditions of permits established prior to M157-23786-00052 and issued pursuant to permitting programs approved into the state implementation plan have been either:

(1) incorporated as originally stated,

(2) revised, or

(3) deleted.

(b) All previous registrations and permits are superseded by this permit.

B.12 Termination of Right to Operate [326 IAC 2-6.1-7(a)]

The Permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least ninety (90) days prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-6.1-7.

B.13 Permit Renewal [326 IAC 2-6.1-7]

(a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ and shall include the information specified in 326 IAC 2-6.1-7. Such information shall be included in the application for each emission unit at this source. The renewal application does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Request for renewal shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

(b) A timely renewal application is one that is:

(1) Submitted at least ninety (90) days prior to the date of the expiration of this permit; and

(2) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

(c) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-6.1 until IDEM, OAQ takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified in writing by IDEM, OAQ any additional information identified as being needed to process the application.

B.14 Permit Amendment or Revision [326 IAC 2-5.1-3(e)(3)][326 IAC 2-6.1-6]

(a) Permit amendments and revisions are governed by the requirements of 326 IAC 2-6.1-6 whenever the Permittee seeks to amend or modify this permit.

(b) Any application requesting an amendment or modification of this permit shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

Any such application shall be certified by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(c) The Permittee shall notify the OAQ within thirty (30) calendar days of implementing a notice-only change. [326 IAC 2-6.1-6(d)]

B.15 Source Modification Requirement

A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2.

B.16 Inspection and Entry
[326 IAC 2-5.1-3(e)(4)(B)][326 IAC 2-6.1-5(a)(4)][IC 13-14-2-2][IC 13-17-3-2][IC 13-30-3-1]

Upon presentation of proper identification cards, credentials, and other documents as may be required by law, and subject to the Permittee's right under all applicable laws and regulations to assert that the information collected by the agency is confidential and entitled to be treated as such, the Permittee shall allow IDEM, OAQ, U.S. EPA, or an authorized representative to perform the following:

(a) Enter upon the Permittee's premises where a permitted source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;

(b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;

(c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;

(d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and

(e) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

B.17 Transfer of Ownership or Operational Control [326 IAC 2-6.1-6]

(a) The Permittee must comply with the requirements of 326 IAC 2-6.1-6 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.

(b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit

responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

The application which shall be submitted by the Permittee does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(c) The Permittee may implement notice-only changes addressed in the request for a notice-only change immediately upon submittal of the request. [326 IAC 2-6.1-6(d)(3)]

B.18 Annual Fee Payment [326 IAC 2-1.1-7]

(a) The Permittee shall pay annual fees to IDEM, OAQ within thirty (30) calendar days of receipt of a billing.

(b) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4230 (ask for OAQ, Billing, Licensing, and Training Section), to determine the appropriate permit fee.

B.19 Credible Evidence [326 IAC 1-1-6]

For the purpose of submitting compliance certifications or establishing whether or not the Permittee has violated or is in violation of any condition of this permit, nothing in this permit shall preclude the use, including the exclusive use, of any credible evidence or information relevant to whether the Permittee would have been in compliance with the condition of this permit if the appropriate performance or compliance test or procedure had been performed.

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

Emission Limitations and Standards [326 IAC 2-6.1-5(a)(1)]

C.1 Particulate Emission Limitations For Processes with Process Weight Rates Less Than One Hundred (100) Pounds per Hour [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2(e)(2), particulate emissions from any process not exempt under 326 IAC 6-3-1(b) or (c) which has a maximum process weight rate less than 100 pounds per hour and the methods in 326 IAC 6-3-2(b) through (d) do not apply shall not exceed 0.551 pounds per hour.

C.2 Permit Revocation [326 IAC 2-1.1-9]

Pursuant to 326 IAC 2-1.1-9 (Revocation of Permits), this permit to operate may be revoked for any of the following causes:

(a) Violation of any conditions of this permit.

(b) Failure to disclose all the relevant facts, or misrepresentation in obtaining this permit.

(c) Changes in regulatory requirements that mandate either a temporary or permanent reduction of discharge of contaminants. However, the amendment of appropriate sections of this permit shall not require revocation of this permit.

(d) Noncompliance with orders issued pursuant to 326 IAC 1-5 (Episode Alert Levels) to reduce emissions during an air pollution episode.

(e) For any cause which establishes in the judgment of IDEM, the fact that continuance of this permit is not consistent with purposes of this article.

C.3 Opacity [326 IAC 5-1]

Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in this permit:

(a) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.

(b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

C.4 Open Burning [326 IAC 4-1] [IC 13-17-9]

The Permittee shall not open burn any material except as provided in 326 IAC 4-1-3, 326 IAC 4-1-4 or 326 IAC 4-1-6. The previous sentence notwithstanding, the Permittee may open burn in accordance with an open burning approval issued by the Commissioner under 326 IAC 4-1-4.1.

C.5 Incineration [326 IAC 4-2] [326 IAC 9-1-2]

The Permittee shall not operate an incinerator or incinerate any waste or refuse except as provided in 326 IAC 4-2 and 326 IAC 9-1-2.

C.6 Fugitive Dust Emissions [326 IAC 6-4]

The Permittee shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4 (Fugitive Dust Emissions).

C.7 Stack Height [326 IAC 1-7]

The Permittee shall comply with the applicable provisions of 326 IAC 1-7 (Stack Height Provisions), for all exhaust stacks through which a potential (before controls) of twenty-five (25) tons per year or more of particulate matter or sulfur dioxide is emitted.

C.8 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

(a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all facility components, then the notification requirements of 326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.

(b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:

(1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or

(2) If there is a change in the following:

(A) Asbestos removal or demolition start date;

(B) Removal or demolition contractor; or

(C) Waste disposal site.

(c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).

(d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).

All required notifications shall be submitted to:

Indiana Department of Environmental Management
Asbestos Section, Office of Air Quality
100 North Senate Avenue
MC 61-52 IGCN 1003
Indianapolis, Indiana 46204-2251

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project. The notifications do not require a certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(e) Procedures for Asbestos Emission Control
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-1, emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.

(f) Demolition and Renovation
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).

(g) Indiana Accredited Asbestos Inspector
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Accredited Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement to use an Indiana Accredited Asbestos inspector is not federally enforceable.

Testing Requirements [326 IAC 2-6.1-5(a)(2)]

C.9 Performance Testing [326 IAC 3-6]

(a) All testing shall be performed according to the provisions of 326 IAC 3-6 (Source Sampling Procedures), except as provided elsewhere in this permit, utilizing any applicable procedures and analysis methods specified in 40 CFR 51, 40 CFR 60, 40 CFR 61, 40 CFR 63, 40 CFR 75, or other procedures approved by IDEM, OAQ.

A test protocol, except as provided elsewhere in this permit, shall be submitted to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ if the Permittee submits to IDEM, OAQ, a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

Compliance Requirements [326 IAC 2-1.1-11]

C.10 Compliance Requirements [326 IAC 2-1.1-11]

The commissioner may require stack testing, monitoring, or reporting at any time to assure compliance with all applicable requirements by issuing an order under 326 IAC 2-1.1-11. Any monitoring or testing shall be performed in accordance with 326 IAC 3 or other methods approved by the commissioner or the U. S. EPA.

Compliance Monitoring Requirements [326 IAC 2-6.1-5(a)(2)]

C.11 Compliance Monitoring [326 IAC 2-1.1-11]

Compliance with applicable requirements shall be documented as required by this permit. The Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment. All monitoring and record keeping requirements not already legally required shall be implemented when operation begins.

C.12 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]

Any monitoring or testing required by Section D of this permit shall be performed according to the provisions of 326 IAC 3, 40 CFR 60, Appendix A, 40 CFR 60, Appendix B, 40 CFR 63, or other approved methods as specified in this permit.

C.13 Instrument Specifications [326 IAC 2-1.1-11]

(a) When required by any condition of this permit, an analog instrument used to measure a parameter related to the operation of an air pollution control device shall have a scale such that the expected maximum reading for the normal range shall be no less than twenty percent (20%) of full scale.

(b) The Permittee may request that the IDEM, OAQ approve the use of an instrument that does not meet the above specifications provided the Permittee can demonstrate that an alternative instrument specification will adequately ensure compliance with permit conditions requiring the measurement of the parameters.

Corrective Actions and Response Steps

C.14 Response to Excursions or Exceedances

(a) Upon detecting an excursion or exceedance, the Permittee shall restore operation of the emissions unit (including any control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.

(b) The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Corrective actions may include, but are not limited to, the following:

(1) initial inspection and evaluation;

(2) recording that operations returned to normal without operator action (such as through response by a computerized distribution control system); or

(3) any necessary follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.

(c) A determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include, but is not limited to, the following:

(1) monitoring results;

(2) review of operation and maintenance procedures and records; and/or

(3) inspection of the control device, associated capture system, and the process.

(d) Failure to take reasonable response steps shall be considered a deviation from the permit.

(e) The Permittee shall maintain the following records:

(1) monitoring data;

(2) monitor performance data, if applicable; and

(3) corrective actions taken.

C.15 Actions Related to Noncompliance Demonstrated by a Stack Test

(a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall take appropriate response actions. The Permittee shall submit a description of these response actions to IDEM, OAQ, within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize excess emissions from the affected facility while the response actions are being implemented.

(b) A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAQ that retesting in one hundred twenty (120) days is not practicable, IDEM, OAQ may extend the retesting deadline.

(c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.

The response action documents submitted pursuant to this condition do require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Record Keeping and Reporting Requirements [326 IAC 2-6.1-5(a)(2)]

C.16 Malfunctions Report [326 IAC 1-6-2]

Pursuant to 326 IAC 1-6-2 (Records; Notice of Malfunction):

(a) A record of all malfunctions, including startups or shutdowns of any facility or emission control equipment, which result in violations of applicable air pollution control regulations or applicable emission limitations shall be kept and retained for a period of three (3) years and shall be made available to the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) or appointed representative upon request.

(b) When a malfunction of any facility or emission control equipment occurs which lasts more than one (1) hour, said condition shall be reported to OAQ, using the Malfunction Report Forms (2 pages). Notification shall be made by telephone or facsimile, as soon as practicable, but in no event later than four (4) daytime business hours after the beginning of said occurrence.

(c) Failure to report a malfunction of any emission control equipment shall constitute a violation of 326 IAC 1-6, and any other applicable rules. Information of the scope and expected duration of the malfunction shall be provided, including the items specified in 326 IAC 1-6-2(a)(1) through (6).

(d) Malfunction is defined as any sudden, unavoidable failure of any air pollution control equipment, process, or combustion or process equipment to operate in a normal and usual manner. [326 IAC 1-2-39]

C.17 General Record Keeping Requirements [326 IAC 2-6.1-5]

(a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.

(b) Unless otherwise specified in this permit, all record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance.

C.18 General Reporting Requirements [326 IAC 2-1.1-11] [326 IAC 2-6.1-2] [IC 13-14-1-13]

(a) Reports required by conditions in Section D of this permit shall be submitted to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

(b) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

(c) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(d) The first report shall cover the period commencing on the date of issuance of this permit and ending on the last day of the reporting period. Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit “calendar year” means the twelve (12) month period from January 1 to December 31 inclusive.

(e) The Permittee shall make the information required to be documented and maintained in accordance with (c) in Section C- General Record Keeping Requirements available for review upon a request for inspection by IDEM, OAQ. The general public may request this information from the IDEM, OAQ under 326 IAC 17.1.

SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(a) Three (3) natural gas-fired boilers, firing No. 2 distillate oil as backup, identified at B-1, B-2 and B-3, all installed in 1971, all exhausting to Stack B-1, with a maximum heat input of 20.9 million British thermal units per hour, each. [326 IAC 6-2-3]

(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-6.1-5(a)(1)]

D.1.1 Particulate Matter (PM) [326 IAC 6-2-3]

Pursuant to 326 IAC 6-2-3(a), the PM emissions from the three (3) boilers, identified as B-1, B-2 and B-3, are limited by the following equation:

$$Pt = \frac{C \times a \times h}{76.5 \times Q^{0.75} \times N^{0.25}}$$

where:

C = Maximum ground level concentration with respect to distance from the point source at the "critical" wind speed for level terrain. This shall equal 50 micrograms per cubic meter for a period not to exceed a sixty (60) minute time period.

Pt = Pounds of particulate matter emitted per million British thermal units (lb/MMBtu) heat input.

Q = Total source maximum operating capacity rating in million British thermal units per hour (MMBtu/hr) heat input. The maximum operating capacity rating is defined as the maximum capacity at which the facility is operated or the nameplate capacity, whichever is specified in the facility's permit application, except when some lower capacity is contained in the facility's operation permit; in which case, the capacity specified in the operation permit shall be used.

N = Number of stacks in fuel burning operation.

a = Plume rise factor which is used to make allowance for less than theoretical plume rise. The value 0.67 shall be used for Q less than or equal to 1,000 MMBtu/hr heat input. The value 0.8 shall be used for Q greater than 1,000 MMBtu/hr heat input.

h = Stack height in feet.

Pursuant to 326 IAC 6-2-3(d), Pt for all facilities used for indirect heating purposes which were existing and in operation on or before June 8, 1972 shall not exceed 0.8 pounds per million British thermal units. Therefore, the three (3) boilers, identified as B-1, B-2 and B-3, are limited to emissions of 0.8 pounds per million British thermal units.

D.1.2 Sulfur Dioxide (SO_2) [326 IAC 7-1.1-2]

Pursuant to 326 IAC 7-1.1-2 (Sulfur Dioxide Emission Limitations), the SO_2 emissions from Boilers B-1, B-2, and B-3 shall be limited to 0.5 pound per million Btu heat input when using distillate oil. This equates to a sulfur content limit of less than or equal to 0.5%.

D.1.3 Preventive Maintenance Plan

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for the three (3) Boilers (B-1, B-2 and B-3)

Compliance Determination Requirements

D.1.4 Sulfur Dioxide Emissions and Sulfur Content [326 IAC 7-1.1-2][326 IAC 7-2]

(a) Pursuant to 326 IAC 7-2-1(c)(3), the Permittee shall demonstrate that the sulfur dioxide emissions do not exceed the equivalent of 0.5 pounds per MMBtu when firing distillate oil, using a calendar month average.

(b) Pursuant to 326 IAC 7-2-1(e) and 326 IAC 3-7-4, fuel sampling and analysis data shall be collected as follows:

(1) The Permittee may rely upon vendor analysis of fuel delivered, if accompanied by a vendor certification [326 IAC 3-7-4(b)]; or,

(2) The Permittee shall perform sampling and analysis of fuel oil samples in accordance with 326 IAC 3-7-4(a).

(A) Oil samples shall be collected from the tanker truck load prior to transferring fuel to the storage tank; or

(B) Oil samples shall be collected from the storage tank immediately after each addition of fuel to the tank.

Compliance Monitoring Requirements [326 IAC 2-5.1-3(e)(2)][326 IAC 2--6.1-5(1)(2)]

D.1.5 Visible Emissions Notations

(a) Visible emission notations of the boiler stack (B1) exhaust shall be performed once per day during normal daylight operations when any of the three (3) boilers are combusting No. 2 distillate oil. A trained employee shall record whether emissions are normal or abnormal.

(b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.

(c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.

(d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.

(e) If abnormal emissions are observed, the Permittee shall take reasonable response steps in accordance with Section C- Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.

Record Keeping and Reporting Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]

D.1.6 Record Keeping Requirements

(a) To document compliance with Conditions D.1.4, the Permittee shall maintain records of any sampling and analysis data used to show compliance with 326 IAC 7-1.1. Records

shall be complete and sufficient to establish compliance with the SO_2 limit of Condition D.1.2.

(b) To document compliance with Condition D.1.5, the Permittee shall maintain a daily record of visible emission notations of the boiler stack (B1) exhausts once per day when any of the three (3) boilers are combusting No. 2 distillate oil. The Permittee shall include in its daily record when a visible emission notations is not taken and the reason for the lack of visible notation, (e.g. the process did not operate that day).

(c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.1.7 Reporting Requirements

(a) A semi-annual natural gas fired boiler certification, shall be submitted to the address listed in Section C - General Reporting Requirements, using the reporting form located at the end of this permit, or their equivalent, within thirty (30) days after the end of the six (6) month period being reported. The report submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(b) To document compliance with Conditions D.1.2 and D.1.4, a report shall be submitted upon request to the address listed in Section C - General Reporting Requirements, and shall contain the information required in 326 IAC 7-2-1 for distillate oil-fired units. The report submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

SECTION D.2 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(b) Emergency generators as follows: diesel-fired not exceeding 1,600 horsepower: Three (3) diesel - fired emergency generators, identified as G-1, G-2, installed in 1975 and G-3, installed in 1976 all exhausting to Stack G-1, rated at 1,100 horsepower, each.

(d) A petroleum fuel, other than gasoline, dispensing facility, having a storage capacity of less than or equal to 10,500 gallons, and dispensing less than or equal to 230,000 gallons per month: Four (4) fuel storage tanks, identified as T-1, T-2, installed in 1971, T-3 and T-4, installed in 1981 all exhausting to a vent, capacity: 10,000 gallons of No. 2 distillate fuel, each. Total VOC emissions from fuel tanks: 0.267 tons per year.

(e) Degreasing operations that do not exceed 145 gallons per 12 months, installed before January 1, 1980.

(f) A laboratory as defined in 326 IAC 2-7-1(21)(D).

(g) Activities or categories of activities with individual HAP emissions emitting greater than one (1) pound per day but less than 5 pounds per day or one (1) ton per year of a single HAP: One (1) ethylene oxide sterilizer, identified as E-1, ethylene oxide emissions 0.00147 pounds per hour or 0.0353 pounds per day.

(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE BRANCH

MINOR SOURCE OPERATING PERMIT
ANNUAL NOTIFICATION

This form should be used to comply with the notification requirements under 326 IAC 2-6.1-5(a)(5).

Company Name:	Lafayette Home Hospital
Address:	2400 South Street
City:	Lafayette, Indiana 47904
Phone #:	(765) 449-3129
MSOP #:	M157-23786-00052

I hereby certify that Lafayette Home Hospital is :

- ☐ still in operation.
- ☐ no longer in operation.

I hereby certify that Lafayette Home Hospital is :

- ☐ in compliance with the requirements of MSOP M157-23786-00052.
- ☐ not in compliance with the requirements of MSOP M157-23786-00052.

Authorized Individual (typed):
Title:
Signature:
Date:

If there are any conditions or requirements for which the source is not in compliance, provide a narrative description of how the source did or will achieve compliance and the date compliance was, or will be achieved.

Noncompliance:

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION

SEMI-ANNUAL NATURAL GAS FIRED BOILER CERTIFICATION

Source Name: Lafayette Home Hospital
Source Address: 2400 South Street, Lafayette, Indiana 47904
Mailing Address: 2400 South Street, Lafayette, Indiana 47904
MSOP Permit No.: M157-23786-00052

□ Natural Gas Only □ Alternate Fuel burned From:_____ To:_____

I certify that, based on information and belief formed after reasonable inquiry, the statements information in the document are true, accurate, and complete. Signature:
Printed Name:
Title/Position:
Phone:
Date:

A certification by an authorized individual as defined by 326 IAC 2-1.1-1(1) is required for this report.

Indiana Department of Environmental Management
Office of Air Quality
Compliance Data Section

Source Name: Lafayette Home Hospital
Source Address: 2400 South Street, Lafayette, Indiana 47904
Mailing Address: 2400 South Street, Lafayette, Indiana 47904
MSOP Permit No.: M157-23786-00052
Source/Facility: Boilers (B-1, B-2 and B-3)
Pollutant: Sulfur Dioxide (SO_2)
Limit: Limited to 0.5 pound per MMBtu heat input. Sulfur content shall be less than or equal to 0.5% by weight.

Month: _____ **Year:** _____

Month	Sulfur Content	Heat Content	Fuel Usage (gal/month)	SO_2 Emissions (lb/MMBtu)

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____

MALFUNCTION REPORT
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
FAX NUMBER - 317 233-6865

This form should only be used to report malfunctions applicable to Rule 326 IAC 1-6 and to qualify for the exemption under 326 IAC 1-6-4.

THIS FACILITY MEETS THE APPLICABILITY REQUIREMENTS BECAUSE IT HAS POTENTIAL TO EMIT 25 TONS/YEAR PARTICULATE MATTER ?_____, 25 TONS/YEAR SULFUR DIOXIDE ?_____, 25 TONS/YEAR NITROGEN OXIDES?_____, 25 TONS/YEAR VOC ?_____, 25 TONS/YEAR HYDROGEN SULFIDE ?_____, 25 TONS/YEAR TOTAL REDUCED SULFUR ?_____, 25 TONS/YEAR REDUCED SULFUR COMPOUNDS ?_____, 25 TONS/YEAR FLUORIDES ?_____, 100TONS/YEAR CARBON MONOXIDE ?_____, 10 TONS/YEAR ANY SINGLE HAZARDOUS AIR POLLUTANT ?_____, 25 TONS/YEAR ANY COMBINATION HAZARDOUS AIR POLLUTANT ?_____, 1 TON/YEAR LEAD OR LEAD COMPOUNDS MEASURED AS ELEMENTAL LEAD ?_____, OR IS A SOURCE LISTED UNDER 326 IAC 2-5.1-3(2) ?_____. EMISSIONS FROM MALFUNCTIONING CONTROL EQUIPMENT OR PROCESS EQUIPMENT CAUSED EMISSIONS IN EXCESS OF APPLICABLE LIMITATION _____.

THIS MALFUNCTION RESULTED IN A VIOLATION OF: 326 IAC _____ OR, PERMIT CONDITION # _____ AND/OR PERMI LIMIT OF _____

THIS INCIDENT MEETS THE DEFINITION OF MALFUNCTION AS LISTED ON REVERSE SIDE ? Y N

THIS MALFUNCTION IS OR WILL BE LONGER THAN THE ONE (1) HOUR REPORTING REQUIREMENT ? Y N

COMPANY:_____PHONE NO. ( )_____
LOCATION: (CITY AND COUNTY)_____
PERMIT NO. _____ AFS PLANT ID: _____ AFS POINT ID: _____ INSP:_____
CONTROL/PROCESS DEVICE WHICH MALFUNCTIONED AND REASON:_____
_____

DATE/TIME MALFUNCTION STARTED: _____/_____/ 20____ _____ AM / PM

ESTIMATED HOURS OF OPERATION WITH MALFUNCTION CONDITION: _____

DATE/TIME CONTROL EQUIPMENT BACK-IN SERVICE_____/_____/ 20____ _____ AM/PM

TYPE OF POLLUTANTS EMITTED: TSP, PM-10, SO2, VOC, OTHER:_____

ESTIMATED AMOUNT OF POLLUTANT EMITTED DURING MALFUNCTION: _____

_____

MEASURES TAKEN TO MINIMIZE EMISSIONS:_____

_____

REASONS WHY FACILITY CANNOT BE SHUTDOWN DURING REPAIRS:

CONTINUED OPERATION REQUIRED TO PROVIDE ESSENTIAL* SERVICES:_____
CONTINUED OPERATION NECESSARY TO PREVENT INJURY TO PERSONS:_____
CONTINUED OPERATION NECESSARY TO PREVENT SEVERE DAMAGE TO EQUIPMENT:_____
INTERIM CONTROL MEASURES: (IF APPLICABLE)_____
_____
_____

MALFUNCTION REPORTED BY:_____TITLE:_____
(SIGNATURE IF FAXED)

MALFUNCTION RECORDED BY:_____DATE:_____TIME:_____
*SEE PAGE 2

Please note - This form should only be used to report malfunctions applicable to Rule 326 IAC 1-6 and to qualify for the exemption under 326 IAC 1-6-4.

326 IAC 1-6-1 Applicability of rule

Sec. 1. This rule applies to the owner or operator of any facility required to obtain a permit under 326 IAC 2-5.1 or 326 IAC 2-6.1.

326 IAC 1-2-39 "Malfunction" definition

Sec. 39. Any sudden, unavoidable failure of any air pollution control equipment, process, or combustion or process equipment to operate in a normal and usual manner.

***Essential services** are interpreted to mean those operations, such as, the providing of electricity by power plants. Continued operation solely for the economic benefit of the owner or operator shall not be sufficient reason why a facility cannot be shutdown during a control equipment shutdown.

If this item is checked on the front, please explain rationale:

_____
_____

Indiana Department of Environmental Management
Office of Air Quality

Technical Support Document (TSD) for a Minor Source Operating Permit

Source Background and Description

Source Name:	Lafayette Home Hospital
Source Location:	2400 South Street, Lafayette, Indiana 47904-3027
County:	Tippecanoe
SIC Code:	8062
Operation Permit No.:	T157-11992-00052
Operation Permit Issuance Date:	October 15, 2001
Permit Renewal No.:	M157-23786-00052
Permit Reviewer:	Marcia Earl

The Office of Air Quality (OAQ) has reviewed the operating permit renewal application from Lafayette Home Hospital relating to the operation of a stationary general medical hospital.

History

On October 18, 2006 Lafayette Home Hospital submitted applications to the OAQ requesting to renew its operating permit. This permit is a transition from a Part 70 permit T157-11992-00052, issued on October 15, 2001, to a Minor Source Operating Permit (MSOP) due to the removal of a waste incinerator that reduced potential emissions of all criteria pollutants below Title V levels.

Permitted Emission Units and Pollution Control Equipment

(a) Three (3) natural gas-fired boilers, firing No. 2 distillate oil as backup, identified as B-1, B-2 and B-3, all installed in 1971, all exhausting to Stack B-1, with a maximum heat input of 20.9 million British thermal units per hour, each. [326 IAC 6-2-3]

(b) Emergency generators as follows: diesel-fired not exceeding 1,600 horsepower: Three (3) diesel - fired emergency generators, identified as G-1, G-2, installed in 1975 and G-3, installed in 1976 all exhausting to Stack G-1, rated at 1,100 horsepower, each.

(c) Paved and unpaved roads and parking lots with public access. [326 IAC 6-4]

(d) A petroleum fuel, other than gasoline, dispensing facility, having a storage capacity of less than or equal to 10,500 gallons, and dispensing less than or equal to 230,000 gallons per month: Four (4) fuel storage tanks, identified as T-1, T-2, installed in 1971, T-3 and T-4, installed in 1981 all exhausting to a vent, capacity: 10,000 gallons of No. 2 distillate fuel, each.

(e) Degreasing operations that do not exceed 145 gallons per 12 months, installed before January 1, 1980.

(f) A laboratory as defined in 326 IAC 2-7-1(21)(D).

(g) Activities or categories of activities with individual HAP emissions emitting greater than one (1) pound per day but less than 5 pounds per day or one (1) ton per year of a single HAP: One (1) ethylene oxide sterilizer, identified as E-1, ethylene oxide emissions 0.00147 pounds per hour or 0.0353 pounds per day.

Emission Units and Pollution Control Equipment Removed from the Source

On March 21, 2005, the source requested an amendment to the original Part 70 permit. Administrative Amendment No. 157-20974-00052 was issued on May 27, 2005 to have the following emission unit permanently removed from service:

One (1) Hospital Medical Infectious Waste Incinerator, identified as I-1, installed in 1990, firing natural gas as supplementary fuel, exhausting to Stack I-1, with a maximum charge rate less than 200 pounds of medical waste per hour, rated at 2.57 million British thermal units per hour.

This proposed permit is a transition from a Part 70 permit, to a Minor Source Operating Permit (MSOP), due to the permanent removal of the Hospital Medical Infectious Waste Incinerator (I-1). As a result Lafayette Home Hospital's potential to emit would be below Title V thresholds.

Existing Approvals

The source has been operating under the previous Part 70 157-11992-00052 issued on October 15, 2001 and the following amendments and revisions:

(a) Administrative Amendment No. 157-21845-00052, issued on October 11, 2005; and

(b) Administrative Amendment No. 157-20974-00052, issued on May 27, 2005;

All terms and conditions of previous permits issued pursuant to permitting programs approved into the state implementation plan have been either incorporated as originally stated, revised, or deleted by this permit. All previous registrations and permits are superseded by this permit.

The conditions removed from the original Title V permit 157-11992-00052 in the Administrative Amendment 157-20974-00052, due to the removal of the one (1) Hospital Medical Infectious Waste Incinerator, identified as I-1 are as follows:

D.1.1 Special Condition

The one (1) Hospital Medical Infectious Waste Incinerator, identified as I-1, shall have a maximum charge rate less than 200 pounds of medical waste per hour.

D.1.2 Burning Regulations for Incinerators (PM) [326 IAC 4-2]

Pursuant to 326 IAC 4-2-2, the one (1) Hospital Medical Infectious Waste Incinerator, identified as I-1, with a capacity of less than 200 pounds of medical waste per hour shall:

(a) Consist of primary and secondary chambers or the equivalent;

(b) be equipped with a primary burner unless burning wood products;

(c) comply with 326 IAC 5-1 and 326 IAC 2;

(d) be maintained properly as specified by the manufacturer and approved by the commissioner;

(e) be operated according to the manufacturer's recommendations and only burn waste approved by the commissioner;

(f) comply with other state and/or local rules or ordinances regarding installation and operation of incinerators;

(g) be operated so that emissions of hazardous material including, but not limited to, viable pathogenic bacteria, dangerous chemicals or gases, or noxious odors are prevented;

(h) not emit particulate matter in excess of five tenths (0.5) pounds of particulate matter per one thousand (1,000) pounds of dry exhaust gas at standard conditions corrected to fifty percent (50%) excess air; and

(i) not create a nuisance or a fire hazard.

The operation of the incinerator shall be terminated immediately upon noncompliance with any of the above mentioned requirements.

D.1.3 General Provisions Relating to NSPS [326 IAC 12-1] [40 CFR 60, Subpart A]

The provisions of 40 CFR 60 Subpart A - General Provisions, which are incorporated as 326 IAC 12-1, apply to the facility described in this section except when otherwise specified in 40 CFR 60 Subpart Ce.

D.1.4 Hospital/Medical/Infectious Waste Incinerators [326 IAC 11-6] [40 CFR 60, Subpart Ce]

(a) The one (1) Hospital Medical infectious Waste Incinerator, identified as I-1, is subject to 326 IAC 11-6 and 40 CFR 60, Subpart Ce with a compliance date of March 31, 2002.

(b) Pursuant to 326 IAC 11-6-4 and 40 CFR 60, Subpart Ce, the one (1) Hospital Medical Infectious Waste Incinerator, identified as I-1, shall comply with the following emissions limitations:

(1) Particulate Matter emissions shall not exceed 0.05 grains per dry standard cubic foot for small Hospital/Medical/Infectious Waste Incinerators;

(2) Carbon Monoxide emissions shall not exceed 40 parts per million by volume;

(3) Dioxins/furans shall not exceed 55 grains per billion dry standard cubic feet total dioxins/furans or 1.0 grains per billion dry standard cubic feet toxic equivalent quantity (TEQ);

(4) Hydrogen chloride emissions shall not exceed 100 parts per million by volume or a 93% reduction;

(5) Sulfur dioxide emissions shall not exceed 55 parts per million by volume;

(6) Nitrogen oxide emissions shall not exceed 250 parts per million by volume;

(7) Lead emissions shall not exceed 0.52 grains per thousand dry standard cubic feet or a 70% reduction;

(8) Cadmium emissions shall not exceed 0.07 grains per thousand dry standard cubic feet or a 65% reduction;

(9) Mercury emissions shall not exceed 0.24 grains per thousand dry standard cubic feet or a 85% reduction; and

(10) Discharge into the atmosphere of any gases shall not exceed ten percent (10%) opacity (6 minute block average).

D.1.5 Operator Training and Qualification Requirements [40 CFR 60.34e] [40 CFR 60.53c(h)] [326 IAC 11-6-5]

Pursuant to 326 IAC 11-6-5, the one (1) Hospital Medical Infectious Waste Incinerator, identified as I-1, shall not operate at any time unless a fully trained and qualified Hospital/Medical/Infectious Waste Incinerator operator is accessible, either at the facility or available within one (1) hour. The following documentation shall be maintained at the facility and an initial review of the information with each Hospital/Medical/Infectious Waste Incinerator operator shall be conducted within six (6) months after the effective date 40 CFR Part 60, Subpart Ec (March 16, 1998), or prior to assumption of responsibilities affecting Hospital/Medical/Infectious Waste Incinerator operation, whichever date is later, and annually, thereafter:

(a) Summary of the applicable standards;

(b) Description of basic combustion theory applicable to a Hospital/Medical/Infectious Waste Incinerator;

(c) Procedures for receiving, handling, and charging waste;

(d) Hospital/Medical/Infectious Waste Incinerator startup, shutdown and malfunction procedures;

(e) Procedures for maintaining proper combustion air supply levels;

(f) Procedures for operating the Hospital/Medical/Infectious Waste Incinerator and associated air pollution control systems;

(g) Procedures for responding to periodic malfunction or conditions that may lead to malfunction;

(h) Procedures for monitoring Hospital/Medical/Infectious Waste Incinerator emissions;

(i) Reporting and record keeping; and

(j) Procedures for handling ash.

D.1.6 Waste Management Plan [326 IAC 11-6-6] [40 CFR 60.35e]

Pursuant to 326 IAC 11-6-6, the Permittee shall prepare and submit a waste management plan as specified in 40 CFR 60.55c no later than sixty (60) days following the initial performance test.

(a) The Waste Management Plan must identify both the feasibility and the approach to separate certain components of solid waste from the health care waste stream in order to reduce the amount of toxic emissions from incinerated waste.

(b) The Waste Management Plan may include, but is not limited to:

(1) materials such as paper, cardboard, plastics, glass, batteries, or metal recycling; or

(2) purchasing recycled or recycled products.

(c) The Waste Management Plan may include different goals or approaches for different areas or departments of the facility and need not include new waste management goals for every waste stream.

(d) The Waste Management Plan should identify, where possible;

(1) reasonably available additional waste management measures;

(2) taking into account the effectiveness of waste management measures already in place;

(3) the cost of additional measures;

(4) the emission reductions expected to be achieved; and

(5) any other environmental or energy impacts they might have.

(e) The American Hospital Association publication entitled "An Ounce of Prevention: Waste Reduction Strategies: shall be considered in the development of the Waste Management Plan.

(f) Additional requirements:

(1) The Waste Management Plan shall address proper waste segregation.

(2) The Waste Management Plan shall address the management of such waste stream to assure that the Permittee is in compliance with local, state, and federal waste management rules.

(3) The Waste Management Plan shall address proper management of all mercury containing items.

(4) The Waste Management Plan shall identify all items that could become mercury containing wastes.

(5) The Permittee shall monitor its waste stream for mercury containing waste, and shall maintain a list of common mercury containing items. Common mercury containing items include, but are not limited to:

(A) Thermometers (silver colored liquid inside)

(B) Thermostats (non-electronic)

(C) Fluorescent and other mercury vapor lighting (High intensity discharge HID, metal halide, high pressure sodium and neon bulbs)

(D) Gauges (barometers, manometers, blood pressure and vacuum gauges with silver colored liquid)

(E) Batteries (mercuric oxide and some alkaline batteries)

(F) Paint (latex manufactures before 1990, and some oil based paints; check the label)

(G) Thimerosal or merbromine (in some antibacterial products)

(H) Elemental mercury (from labs)

(I) Esophageal dialators

(J) Laboratory fixatives

(6) The Permittee shall include plans to eliminate all mercury containing items from the waste stream of the incinerator.

(7) The Waste Management Plan shall address the training of all affected staff on proper waste management practices of mercury containing items and other solid, hazardous and medical waste items.

(8) The Permittee shall have Waste Management Plans for all facilities owned by the Permittee that send waste to this incinerator. Each Waste Management Plan shall comply with the requirements of this condition.

D.1.7 Carbon Monoxide [326 IAC 9-1-2]

Pursuant to 326 IAC 9-1-2, the Permittee shall not cause or allow the discharge of carbon monoxide from the one (1) Hospital Medical Infectious Waste Incinerator, identified as I-1, unless the waste gas stream is burned in a direct flame afterburner or is controlled by other means approved by IDEM, OAQ.

D.1.8 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for this facility and any control devices.

Compliance Determination Requirements

D.1.9 Testing Requirements [326 IAC 2-7-6(1), (6)] [326 IAC 2-1.1-11] [326 IAC 11-6-7] [40 CFR 60, Subpart Ce]

(a) Pursuant to 326 IAC 11-6-7 and 40 CFR 60, Subpart Ce, an initial performance test to demonstrate compliance with Condition D.1.4 must be conducted no later than March 31, 2002. Compliance shall be determined according to 326 IAC 3-6 concerning source sampling procedures and 40 CFR 60, Subpart Ec, Section 60.56c, excluding the fugitive emissions testing requirements under Section 60.56c(b)(12) and 60 56(c)(3).

(b) Pursuant to 40 CFR 60.56(c)(2), annual performance testing to demonstrate compliance with the PM, CO, and HCI emission limits established in D.1.4 shall be performed each year following the initial performance test. If all three (3) performance test over a three (3) consecutive year period indicate compliance with the emission limit for a pollutant (PM, CO, or HCI), the owner or operator may forego a performance test for that pollutant for the subsequent two (2) years. At a minimum, a performance test for PM, CO, and HCI shall be conducted every third year (no more than thirty-six (36) months following the previous performance test). If a performance test conducted every third year indicates compliance with the emission limit for a pollutant (PM, CO, or HCI), the owner or operator may forego a performance test for that pollutant for an additional two (2) years. If any performance test indicates noncompliance with the respective emission limit, a performance test for that pollutant shall be conducted annually until all annual performance tests over a three (3) consecutive year period indicate compliance with the emission limit. The use of the bypass stack during a performance test shall invalidate the performance test.

(c) Pursuant to 40 CFR 60.56c(c)(1), the Permittee shall determine compliance with the opacity limit established in Condition D.1.4 by conducting an annual performance test (no more than twelve (12) months following the previous performance test).

(d) IDEM may require compliance testing at any specific time when necessary to determine if the facility is in compliance. If testing is required by IDEM, compliance shall be determined by a performance test conducted in accordance with Section C - Performance Testing.

D.1.10 Compliance Date [326 IAC11-6-9] [40 CFR 60.39e]

Pursuant to 326 IAC 11-6-9, the source shall install any necessary air pollution control equipment and be in compliance with all provisions of this rule no later than March 31, 2002, provided the following measurable and enforceable incremental steps of progress are taken:

(a) Submit a final control plan no later than June 30, 1999;

(b) Award contracts for emissions control systems or for process modifications, or issuance of orders for the purchase of component parts to accomplish emission control or process modifications no later than March 31, 2000;

(c) Initiate on site construction or installation of emission control equipment or process change no later than March 31, 2001;

(d) Complete on-site construction or installation of emission control equipment or process change no later than September 30, 2001;

(e) Be in final compliance no later than March 31, 2002;

(f) The source shall be in compliance with the operator training and qualification requirements by March 11, 2000.

D.1.11 Hospital/Medical/Infectious Waste Incinerators [326 IAC 11-6] [40 CFR 60, Subpart Ce]

In order to comply with 326 IAC 11-6 and 40 CFR 60, Subpart Ce, the wet scrubber shall be in operation at all times when the medical waste incinerator is in operation on and after March 31, 2002.

Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

D.1.12 Monitoring [326 IAC 11-6-7] [40 CFR 60.57c]

(a) Pursuant to 326 IAC 11-6-7 and 40 CFR 60.57c, the Permittee shall install, calibrate (to manufacturers specifications), maintain, and operate devices (or establish methods) for monitoring the applicable operating parameters at all times except during periods of startup or shutdown. The following operational parameters for the one (1) Hospital Medical Infectious Waste Incinerator, equipped with a wet scrubber, shall be measured continuously, and recorded at the specified time intervals:

(1) Maximum charge rate, recorded once per hour;

(2) Maximum flue gas temperature, recorded once per minute;

(3) Minimum secondary chamber temperature, recorded once per minute;

(4) Minimum pressure drop across the wet scrubber or minimum horsepower or amperage to the wet scrubber, recorded once per minute;

(5) Minimum scrubber liquor flow rate, recorded once per minute; and

(6) Minimum scrubber liquor pH, recorded once per minute.

(b) The Permittee shall install, calibrate (to manufacturers specifications), maintain, and operate devices (or establish methods) for measuring the use of the bypass stack including date, time, and duration.

(c) The Permittee shall obtain monitoring data at all times during Hospital/Medical/Infectious Waste Incinerator operation except during periods of monitoring equipment malfunction, calibration, or repair. At a minimum, valid monitoring data shall be obtained for 75 percent of the operating hours per day and for 90 percent of the operating days per calendar quarter that the affected facility is combusting hospital waste and/or medical/infectious waste.

(d) The Permittee shall monitor mercury containing items in the waste stream as required by Condition D.1.6(f)(5).

D.1.13 Visible Emissions Notations

(a) Visible emission notations of the incinerator/scrubber stack(s) exhaust shall be performed once per shift during normal daylight operations until the final compliance date of March 31, 2002, or upon complying with the monitoring requirements of 326 IAC 11-6 and 40 CFR 60 Subpart Ce specified in Condition D.1.12, whichever is earlier, when exhausting to the atmosphere. After March 31, 2002, the monitoring requirements of 326 IAC 11-6 and 40 CFR 60 Subpart Ce will make these visible emissions notations unnecessary. A trained employee shall record whether emissions are normal or abnormal.

(b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.

(c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.

(d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.

(e) The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed. Failure to take response steps in accordance with Section C - Compliance Monitoring Plan - Failure to Take Response Steps, shall be considered a violation of this permit.

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.1.14 Record Keeping Requirements

(a) To document compliance with Conditions D.1.4 and D.1.12, the Permittee shall maintain information on site for a period of at least 5 years sufficient to establish compliance with 40 CFR 60.58c(b), based on the control equipment installed.

(b) To document compliance with Condition D.1.13, the Permittee shall maintain records of visible emission notations of the incinerator stack exhaust once per shift until the final compliance date of March 31, 2002.

D.1.15 Reporting Requirements

(a) Pursuant to 326 IAC 11-6-8, 40 CFR 60.38e and 40 CFR 58.58c(c), the Permittee shall submit the following information no later than 60 days following the initial performance test:

(1) The initial performance test data;

(2) The values for the site specific operating parameters, as applicable [40 CFR 60.56c(d) or (i)]; and

(3) The waste management plan.

(b) Pursuant to 326 IAC 11-6-8, 40 CFR 60.38e and 40 CFR 58.58c(d), upon March 31, 2002, the Permittee must submit an annual report, including the following information:

(1) The values for the site specific operating parameters, as applicable;

(2) The highest maximum operating parameter and the lowest operating parameter, as applicable, for the year being reported;

(3) The highest maximum operating parameter and the lowest operating parameter as applicable, for the year preceding the year being reported;

(4) Identification of calendar days, times, description and durations of malfunctions; calendar days of emission rates or operating parameters not measured and the reason; and calendar days of emissions rates or operating parameters exceeding the applicable limits; for the year being reported;

(5) Identification of calendar days, times, description and durations of malfunctions; calendar days of emission rates or operating parameters not measured and the reason; and calendar days of emissions rates or operating parameters exceeding the applicable limits; for the preceding year being reported;

(6) If a performance test was conducted during the reporting period, the results of that test;

(7) If no exceedances or malfunctions were reported for the calendar year being reported, a statement that no exceedances occurred during the reporting period; and

(8) Any use of the bypass stack, the duration, reason for malfunction and corrective action taken.

(c) The reports required in (a) and (b) of this condition shall be submitted to the address listed in Section C - General Reporting Requirements.

Enforcement Issue

There are no enforcement actions pending.

Emission Calculations

See Appendix A, pages 1 through 7 of this document for detailed emission calculations.

County Attainment Status

The source is located in Tippecanoe County.

Pollutant	Status
$PM_{2.5}$	Attainment
PM_{10}	Attainment
SO_2	Attainment
NO_x	Attainment
8-hr Ozone	Attainment
CO	Attainment
Lead	Attainment

(a) Tippecanoe County has been classified as attainment for $PM_{2.5}$. U.S. EPA has not yet established the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2 for $PM_{2.5}$ emissions. Therefore, until the U. S. EPA adopts specific provisions for PSD review for $PM_{2.5}$ emissions, it has directed states to regulate PM_{10} emissions as a surrogate for $PM_{2.5}$ emissions.

(b) Volatile organic compounds (VOC) and nitrogen oxides (NO_x) are regulated under the Clean Air Act (CAA) for purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NO_x emissions are considered when evaluating the rule applicability relating to the ozone standards. Tippecanoe County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NO_x emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2. See the State Rule Applicability - Entire Source section.

(c) Tippecanoe County has been classified as attainment or unclassifiable for PM_{10}, SO_2, CO and Lead. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

(d) On October 25, 2006, the Indiana Air Pollution Control Board finalized a rule revision to 326 IAC 1-4-1 revoking the one-hour ozone standard in Indiana

(e) Fugitive Emissions
Since this type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2 or 326 IAC 2-3 and since there are no applicable New Source Performance Standards that were in effect on August 7, 1980, the fugitive emissions are not counted toward determination of PSD or Emission Offset applicability.

Unrestricted Potential Emissions

This table reflects the unrestricted potential emissions of the source.

Pollutant	**Potential To Emit** (tons/year)
PM	4.48
PM_{10}	3.90
SO_2	28.57
VOC	2.427
CO	27.61
NOx	59.00

HAPs	**Potential To Emit** (tons/year)
Benzene	Negligible
Dichlorobenzene	Negligible
Formaldehyde	0.02
Hexane	0.4943
Toluene	Negligible
Lead	Negligible
Cadmium	Negligible
Chromium	Negligible
Manganese	Negligible
Nickel	Negligible
Arsenic	0.001
Beryllium	Negligible
Mercury	Negligible
Selenium	Negligible
Categories of Activities and an Ethylene Oxide Sterilizer	1.006
Total	1.586

(a) The potential to emit (as defined in 326 IAC 2-7-1(29)) of PM_{10}, sulfur dioxide (SO_2), volatile organic compounds (VOC), carbon monoxide (CO), and nitrogen oxides (NOx) are each less than 100 tons per year. Therefore, the source is not subject to 326 IAC 2-7.

(b) The potential to emit (as defined in 326 IAC 2-7-1(29)) of any single HAP is less than ten (10) tons per year and the potential to emit (as defined in 326 IAC 2-7-1(29)) of a combination of HAPs is less than twenty-five (25) tons per year. Therefore, the source is not subject to 326 IAC 2-7.

(c) The potential to emit (as defined in 326 IAC 2-7-1(29)) of SO_2 and NOx are equal to or greater then 25 tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-6.1. An MSOP will be issued.

Actual Emissions

The following table shows actual emissions from the source. This information reflects the 2003 OAQ emission data.

Pollutant	Actual Emissions (tons/year)
PM	0
PM10	0
SO2	0
VOC	0
CO	4
NOx	5
HAP	Not reported

Potential to Emit After Issuance

The table below summarizes the potential to emit, reflecting all limits of the emission units. Any control equipment is considered enforceable only after issuance of this MSOP and only to the extent that the effect of the control equipment is made practically enforceable in the permit.

Process/emission unit	Potential to Emit (tons/year)						
	PM	PM_{10}	SO_2	VOC	CO	NO_X	HAPs
Three (3) boilers*	3.90	3.90	27.90	1.51	23.07	39.20	0.51
Degreasing Operation	0.00	0.00	0.00	0.07	0.00	0.00	0.00
Three (3) emergency generators	0.58	0.00	0.67	0.58	4.54	19.80	0.00
Four (4) Fuel Storage Tanks	0.00	0.00	0.00	0.267	0.00	0.00	0.00
Categories of Activities and an Ethylene Oxide Sterilizer	0.00	0.00	0.00	0.00	0.00	0.00	1.006
Total	4.48	3.90	28.57	2.427	27.61	59.00	1.586

* Emission rates were taken from the highest PTE from the natural gas and the No. 2 Distillate fuel calculations.

(a) This existing stationary source is not major for PSD because the emissions of each criteria pollutant are less than one hundred (<100) tons per year, and it is not one of the twenty-eight (28) listed source categories.

(b) Fugitive Emissions
Since this type of operations is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2 or 326 IAC 2-3, fugitive emissions are not counted toward the determination of PSD applicability.

Federal Rule Applicability

(a) There are no New Source Performance Standards (NSPS) (326 IAC 12 and 40 CFR Part 60) included in this permit for this source.

(b) 40 CFR 60, Subpart Db (Standard of Performance for Industrial-Commercial-Institutional Steam Generating Units), which is incorporated by reference 326 IAC 12 is not included in this permit. The three (3) boilers, identified as B-1, B-2 and B-3, are not subject to 40 CFR Part 60.40b, because each boiler has a heat input capacity less than one hundred (100) million British thermal units per hour and was constructed before June 19, 1984.

(c) 40 CFR 60, Subpart Dc (Standard of Performance for Industrial Commercial-Institutional Steam Generating Units), which is incorporated by reference 326 IAC 12 is not included in this permit. The three (3) boilers, identified as B-1, B-2 and B-3, are not subject to 40 CFR Part 60.40c, because each boiler has a heat input capacity of 20.9 MMBtu per hour and were constructed before June 9, 1989.

(d) 40 CFR 60, Subpart K (Standard of Performance for Storage Vessels for Petroleum Liquids For Which Construction, Reconstruction, or Modification commenced after June 11, 1973 and Prior to May 19, 1978), which is incorporated by reference 326 IAC 12 is not included in this permit. The two (2) fuel storage tanks, identified as T-1 and T-2 are not subject to 40 CFR 60.110, because each tank has a capacity less than forty (40) cubic meters and was constructed before June 11, 1973.

(e) 40 CFR 60, Subpart Ka (Standard of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification commenced after May 18, 1978 and Prior to July 23, 1984), which is incorporated by reference 326 IAC 12 is not included in this permit. The two (2) fuel storage tanks, identified as T-3 and T-4 are not subject to 40 CFR 60.110a, because each tank has a capacity less than forty (40) cubic meters.

(f) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs) (326 IAC 14, 40 CFR Part 61 and 326 IAC 20, 40 CFR Part 63) included in this permit for this source.

(g) 40 CFR 63, Subpart O (Ethylene Oxide Emission Standards for Sterilization Facilities), which is incorporated by reference 326 IAC 20 is not included in this permit. Pursuant to 40 CFR 63.360(e), this subpart does not apply to ethylene oxide sterilization operations at stationary sources such as hospitals, doctors offices, clinics, or other facilities whose primary purpose is to provide medical services to humans or animals.

(h) 40 CFR 63, Subpart T (National Emission Standard for Halogenated Solvent Cleaning), which is incorporated by reference 326 IAC 20 is not included in this permit. There are no halogenated solvents used in the degreasing operation in total concentration of greater then five percent (5%) by weight.

(i) 40 CFR 63, Subpart ZZZZ (National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines). The 3 diesel-fired emergency generators, G-1, G-2 and G-3 were constructed prior to December 19, 2002. Therefore, each is an existing reciprocating internal combustion engine (RICE). Pursuant to 40 CFR 63.6590(b)(3), an existing emergency stationary RICE does not have to meet the requirements of Subpart ZZZZ or Subpart A of Part 63. Therefore, the requirements of 40 CFR 63, Subpart ZZZZ are not included in this permit.

(j) 40 CFR 63, Subpart DDDDD (National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters), which is incorporated by reference 326 IAC 20 is not included in this permit. This source does not have the potential to emit equal to or greater than 10 tons per year of any single HAP or equal to or greater than 25 tons per year of a combination of HAPs.

(k) 40 CFR 64 (Compliance Assurance Monitoring) is not included in this permit. This source is not a major Part 70 source and does not involve a pollutant-specific emissions unit with the potential to emit after control in an amount equal to or greater than one hundred (100) tons per year. Therefore, the requirements of 40 CFR Part 64, Compliance Assurance Monitoring, are not applicable.

State Rule Applicability – Entire Source

326 IAC 2-2 (Prevention of Significant Deterioration)
This source is not a major source for PSD purposes because no attainment regulated pollutant is emitted at a rate of 250 tons per year or greater and is not one of the 28 listed source categories.

326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP))
The operation of the three (3) boilers, identified as B-1, B-2 and B-3, will emit less than ten (10) tons per year for a single HAP and less than twenty-five (25) tons per year of a combination of HAPs. Therefore, 326 IAC 2-4.1 is not included in this permit for this source.

326 IAC 2-6 (Emission Reporting)
This source is located in Tippecanoe County, is not required to operate under 326 IAC 2-7 (Part 70), and it does not emit lead at levels equal to or greater than 5 tons per year. Therefore, 326 IAC 2-6 is not applicable to this source.

326 IAC 5-1 (Opacity Limitations)
Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Exemptions), opacity shall meet the following, unless otherwise stated in the permit:

(a) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.

(b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

326 IAC 6-4 (Fugitive Dust Emissions)
The Permittee shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4 (Fugitive Dust Emissions).

State Rule Applicability – Individual Facilities

326 IAC 6-2-3 (Particulate Emissions Limitations for Facilities Constructed prior to September 21, 1983)
The three (3) boilers, identified as B-1, B-2 and B-3, each constructed in 1971, with a total heat input capacity of 62.7 million British thermal units per hour, must comply with the PM emission limitation of 326 IAC 6-2-3(a). This limitation is based on the following equation given in 326 IAC 6-2-3(a):

$$Pt = \frac{C \times a \times h}{76.5 \times Q^{0.75} \times N^{0.25}}$$

where:

Pt = Pounds of particulate matter emitted per million British thermal units (lb/MMBtu) heat input.

Q = Total source maximum operating capacity rating in million British thermal units per hour (MMBtu/hr) heat input. The maximum operating capacity rating is defined as the maximum capacity at which the facility is operated or the nameplate capacity, whichever is specified in the facility's permit application, except when some lower capacity is contained in the facility's operation permit; in which case, the capacity specified in the operation permit shall be used.

C = Maximum ground level concentration with respect to distance from the point source at the "critical" wind speed for level terrain. This shall equal 50 micrograms per cubic meter for a period not to exceed a sixty (60) minute time period.

N = Number of stacks in fuel burning operation.

a = Plume rise factor which is used to make allowance for less than theoretical plume rise. The value 0.67 shall be used for Q less than or equal to 1,000 MMBtu/hr heat input. The value 0.8 shall be used for Q greater than 1,000 MMBtu/hr heat input.

h = Stack height in feet.

For the three (3) boilers:

$Pt = (50 \times 0.67 \times 50.0) / (76.5 \times (62.7)^{0.75} \times (1)^{0.25}) = 1.01$ lb/MMBtu

Pursuant to 326 IAC 6-2-3(d), Pt for all facilities used for indirect heating purposes which were existing and in operation on or before June 8, 1972 shall not exceed 0.8 pounds per million British thermal units. Therefore, the three (3) boilers, identified as B-1, B-2 and B-3, are limited to emissions of 0.8 pounds per million British thermal units.

Based on the PM emission factor taken from AP 42, Chapter 1.3 (Fuel Oil Combustion) the following is the PM emissions per million British thermal unit.

2.0 lbs/kgal × 1 kgal/1000 gal × 1 gal/0.140 MMBtu = 0.014 lbs PM per MMBtu

Therefore, the three (3) boilers, identified as B-1, B-2 and B-3, are capable of complying with this rule.

326 IAC 7-1.1 (Sulfur Dioxide Emission Limitations)

(a) The requirements of 326 IAC 7-1.1 are applicable to the three (3) boilers, identified as B-1, B-2 and B-3, because the potential to emit SO_2 from each boiler is greater than ten (10) pounds per hour and twenty-five (25) tons per year. Pursuant to 326 IAC 7-1.1-2 (Sulfur Dioxide Emission Limitations), the SO_2 emissions from Boilers B-1, B-2 and B-3 shall not exceed five tenths (0.5) pound per million Btu (lb/MMBtu) when distillate oil is being fired.

(b) The three (3) emergency generators, identified as G-1, G-2 and G-3, firing No. 2 distillate oil, are not subject to the emission limitations prescribed by 326 IAC 7-1.1-1 (Sulfur Dioxide Emissions Limitations), because each generator has a potential to emit of SO_2 less than twenty (25) tons per year or ten (10) tons per hour.

326 IAC 8-3 (Degreasing Operations)

The degreasing operation was installed before January 1, 1980 and this source is located in Tippecanoe County and not in Clark, Elkhart, Floyd, Lake, Marion, Porter or St. Joseph Counties. This source does not have the potential to emit VOC emissions of 100 tons per year or greater. Therefore, the requirements of 326 IAC 8-3 (Degreasing Operation) are not applicable to this source.

326 IAC 8-4-3 (Petroleum liquid storage facilities)

The four (4) fuel storage tanks T-1 through T-4, each have a capacity of less than thirty-nine thousand (39,000) gallons. Therefore, the requirements of 326 IAC 8-4-3 are not applicable.

Testing Requirements

No testing is required for the three (3) boilers, identified as B-1, B-2 and B-3.

Compliance Requirements

Permits issued under 326 IAC 2-6.1 are required to ensure that sources can demonstrate compliance with applicable state and federal rules on a more or less continuous basis. All state and federal rules contain compliance provisions, however, these provisions do not always fulfill the requirement for a more or less continuous demonstration. When this occurs IDEM, OAQ in conjunction with the source, must develop specific conditions to satisfy 326 IAC 2-6.1. As a result, compliance requirements are divided into two sections: Compliance Determination Requirements and Compliance Monitoring Requirements.

Compliance Determination Requirements in Section D of the permit are those conditions that are found more or less directly within state and federal rules and the violation of which serves as grounds for enforcement action. If these conditions are not sufficient to demonstrate continuous compliance, they will be supplemented with Compliance Monitoring Requirements, also in Section D of the permit. Unlike Compliance Determination Requirements, failure to meet Compliance Monitoring conditions would serve as a trigger for corrective actions and not grounds for enforcement action. However, a violation in relation to a compliance monitoring condition will arise through a source's failure to take the approporiate corrective actions within a specific time period.

The compliance monitoring and/or compliance determination requirements applicable to this source are as follows:

The three (3) boilers, identified as B-1, B-2 and B-3, have applicable compliance monitoring conditions as specified below:

(a) Visible emission notations of the three (3) boilers stack (B-1) exhausts shall be performed once per day during normal daylight operations when any of the three (3) boilers are combusting No. 2 distillate oil. A trained employee shall record whether emissions are normal or abnormal. For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time. In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions. A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process. If abnormal emissions are observed, reasonable response steps shall be taken in accordance with Section C- Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.

(b) Pursuant to 326 IAC 7-2-1(c)(3), the Permittee shall demonstrate that the sulfur dioxide emissions do not exceed the equivalent of 0.5 pounds per MMBtu when firing distillate oil, using a calendar month average.

These monitoring conditions are necessary because the three (3) boilers must operate properly to ensure compliance with 326 IAC 6-2-3 and 326 IAC 2-7.

Recommendation

The staff recommends to the Commissioner that the MSOP be approved. This recommendation is based on the following facts and conditions:

Unless otherwise stated, information used in this review was derived from the application submitted by the applicant.

An application for the purposes of this review was received on October 18, 2006.

Conclusion

The operation of this general medical hospital shall be subject to the conditions of this MSOP No. 157-23786-00052.

Appendix A: Emission Summary

Company Name: Lafayette Home Hospital
Address City IN Zip: 2400 South Street, Lafayette, IN 47904-3027
Permit No: M157-23786-00052
Reviewer: Marcia Earl
Date: April 2007

Uncontrolled Emissions

Emission Units	PM	PM_{10}	SO_2	VOC	CO	NOx	HAPs
(3) Natural Gas fired Boilers*	3.90	3.90	27.90	1.51	23.07	39.20	0.51
Degreasing operation	0.00	0.00	0.00	0.07	0.00	0.00	0.07
(3) Emergency Generators	0.58	0.00	0.67	0.58	4.54	19.80	0.00
(4) Fuel Storage Tanks	0.00	0.00	0.00	0.267	0.00	0.00	0.00
Categories of Activities and an Ethylene Oxide Sterilizer	0.00	0.00	0.00	0.00	0.00	0.00	1.006
Total	4.48	3.90	28.57	2.427	27.61	59.00	1.586

Controlled Emissions

Emission Units	PM	PM_{10}	SO_2	VOC	CO	NOx	HAPs
(3) Natural Gas fired Boilers*	3.90	3.90	27.90	1.51	23.07	39.20	0.51
Degreasing operation	0.00	0.00	0.00	0.07	0.00	0.00	0.07
(3) Emergency Generators	0.58	0.00	0.67	0.58	4.54	19.80	0.00
(4) Fuel Storage Tanks	0.00	0.00	0.00	0.267	0.00	0.00	0.00
Categories of Activities and an Ethylene Oxide Sterilizer	0.00	0.00	0.00	0.00	0.00	0.00	1.006
Total	4.48	3.90	28.57	2.427	27.61	59.00	1.586

* Emission rates were taken from a combination of Natural gas and the No. 2 Distillate Fuel.

Appendix A: Emission Calculations
Company Name: Lafayette Home Hospital
Address City IN Zip: 2400 South Street, Lafayette, Indiana 47904-3027
Permit No: M157-23786-00052
Reviewer: Marcia Earl
Date: April 2007

Uncontrolled

Material	Usage (gal) (per year)	VOC (lbs/gal)	VOC (lbs/year)	VOC (tons/year)	HAPs (tons/year)
Degreasing	20.00	6.70	134	0.07	0.00

Methodology

Usage * Weight = lbs/year * ton/2000lbs = 0.23 tons per year of VOC's

Appendix A: Emissions Calculations
Commercial/Institutional/Residential Combustors (< 100 mmBtu/hr)
#1 and #2 Fuel Oil
Three (3) Boilers on No. 2 Distillate Fuel

Company Name: Lafayette Home Hospital
Address, City IN Zip: 2400 South Street, Lafayette, Indiana 47904-3027
Permit Number: M157-23786-00052
Reviewer: Marcia Earl
Date: April 2007

Unit ID	Capacity
B-1	20.9
B-2	20.9
B-3	20.9
Total	**62.7**

Heat Input Capacity MMBtu/hr	Potential Throughput kgals/year	S = Weight % Sulfur
62.7	3923.228571	0.1

	Pollutant				
	PM*	SO2	NOx	VOC	CO
Emission Factor in lb/kgal	2.0	14.2 *(142.0S)*	20.0	0.34	5.0
Potential Emission in tons/yr	3.9	27.9	39.2	0.7	9.8

* PM emission factor is filterable PM only.

** Emission Factors for Nox: Uncontrolled = 100, Low Nox Burner = 50,, Low Nox Burners/Flue gas recirculation = 32

Methodology

1 gallon of No. 2 Fuel Oil has a heating value of 140,000 Btu

Potential Throughput (kgals/year) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1kgal per 1000 gallon x 1 gal per 0.140 MM Btu

Emission Factors are from AP 42, Tables 1.3-1, 1.3-2, and 1.3-3 (SCC 1-03-005-01/02/03) Supplement E 9/98 (see erata file)

*PM emission factor is filterable PM only. Condensable PM emission factor is 1.3 lb/kgal.

Emission (tons/yr) = Throughput (kgals/ yr) x Emission Factor (lb/kgal)/2,000 lb/ton

Appendix A: Emissions Calculations
Commercial/Institutional/Residential Combustors (< 100 mmBtu/hr)
#1 and #2 Fuel Oil
Three (3) Boilers on No. 2 Distillate Fuel
HAPs Emissions

Company Name: Lafayette Home Hospital
Address, City IN Zip: 2400 South Street, Lafayette, Indiana 47904-3027
Permit Number: T157-23786-00052
Reviewer: Marcia Earl
Date: April 2007

	HAPs - Metals				
	Arsenic	Beryllium	Cadmium	Chromium	Lead
Emission Factor in lb/mmBtu	4.0E-06	3.0E-06	3.0E-06	3.0E-06	9.0E-06
Potential Emission in tons/yr	1.10E-03	8.24E-04	8.24E-04	8.24E-04	2.47E-03

	HAPs - Metals (continued)			
	Mercury	Manganese	Nickel	Selenium
Emission Factor in lb/mmBtu	3.0E-06	6.0E-06	3.0E-06	1.5E-05
Potential Emission in tons/yr	8.24E-04	1.65E-03	8.24E-04	4.12E-03

Methodology

No data was available in AP-42 for organic HAPs.
Potential Emissions (tons/year) = Throughput (mmBtu/hr)*Emission Factor (lb/mmBtu)*8,760 hrs/yr / 2,000 lb/ton

Appendix A: Emission Calculations
Internal Combustion Engines - Diesel Fuel
Turbine (>600 HP)

Company Name: Lafayette Home Hospital
Address City IN Zip: 2400 South Street, Lafayette, Indiana 47904-3207
Permit Number: M157-23786-00052
Reviewer: Marcia Earl
Date: April 2007

Emissions calculated based on output rating (hp)

Heat Input Capacity Horsepower (hp)	Potential Throughput hp-hr/yr	S=	= WEIGHT % SULFUR
3300.0	1650000.0	0.1	

	Pollutant					
	PM*	PM10*	SO2	NOx	VOC	CO
Emission Factor in lb/hp-hr	0.0007	not provided	0.0008 *(.00809S)*	0.024 **see below	0.00071	0.00550
Potential Emission in tons/yr	0.578	0.000	0.667	19.800	0.582	4.538

**NOx emission factor: uncontrolled = 0.024 lb/hp-hr, controlled by ignition timing retard = 0.013 lb/hp-hr
Note that the PM10 emission factor in lb/hp-hr is not provided in the Supplement B update of AP-42.
An average conversion factor of 1hp-hr = 7,000Btu is provided below.

Methodology

Potential Througput (hp-hr/yr) = hp * 500 hr/yr

Emission Factors are from AP 42 (Supplement B 10/96)Table 3.4-1 and Table 3.4-2
1 hp-hr = 7000 Btu, AP42 (Supplement B 10/96), Table 3.3-1, Footnote a.
Emission (tons/yr) = [Heat input rate (MMBtu/hr) x Emission Factor (lb/MMBtu)] * 500 hr/yr / (2,000 lb/ton)
Emission (tons/yr) = [Potential Throughput (hp-hr/yr) x Emission Factor (lb/hp-hr)] / (2,000 lb/ton)

*No information was given regarding which method was used to determine the PM emission factor or whether condensable PM is included. The PM10 emission factor is filterable and condensable PM10 combined.