



Mitchell E. Daniels, Jr.
Governor

Thomas W. Easterly
Commissioner

100 North Senate Avenue
Indianapolis, Indiana 46204
MC 61-53
(317) 232-8603
(800) 451-6027
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TO: Interested Parties / Applicant
DATE: February 28, 2008
RE: Parkview Memorial Hospital / 003-23731-00272
FROM: Matthew Stuckey, Deputy Branch Chief
Permits Branch
Office of Air Quality

Notice of Decision: Approval – Effective Immediately

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to IC 13-15-5-3, this permit is effective immediately, unless a petition for stay of effectiveness is filed and granted, and may be revoked or modified in accordance with the provisions of IC 13-15-7-1.

If you wish to challenge this decision, IC 4-21.5-3-7 and IC 13-15-6-1(b) or IC 13-15-6-1(a) require that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office of Environmental Adjudication, 100 North Senate Avenue, Government Center North, Suite N 501E, Indianapolis, IN 46204.

For an **initial Title V Operating Permit**, a petition for administrative review must be submitted to the Office of Environmental Adjudication within **thirty (30)** days from the receipt of this notice provided under IC 13-15-5-3, pursuant to IC 13-15-6-1(b).

For a **Title V Operating Permit renewal**, a petition for administrative review must be submitted to the Office of Environmental Adjudication within **fifteen (15)** days from the receipt of this notice provided under IC 13-15-5-3, pursuant to IC 13-15-6-1(a).

The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

- (1) the date the document is delivered to the Office of Environmental Adjudication (OEA);
- (2) the date of the postmark on the envelope containing the document, if the document is mailed to OEA by U.S. mail; or
- (3) The date on which the document is deposited with a private carrier, as shown by receipt issued by the carrier, if the document is sent to the OEA by private carrier.

The petition must include facts demonstrating that you are either the applicant, a person aggrieved or adversely affected by the decision or otherwise entitled to review by law. Please identify the permit, decision, or other order for which you seek review by permit number, name of the applicant, location, date of this notice and all of the following:

- (1) the name and address of the person making the request;
- (2) the interest of the person making the request;
- (3) identification of any persons represented by the person making the request;
- (4) the reasons, with particularity, for the request;
- (5) the issues, with particularity, proposed for considerations at any hearing; and
- (6) identification of the terms and conditions which, in the judgment of the person making the request, would be appropriate in the case in question to satisfy the requirements of the law governing documents of the type issued by the Commissioner.

Pursuant to 326 IAC 2-7-18(d), any person may petition the U.S. EPA to object to the issuance of an initial Title V operating permit, permit renewal, or modification within sixty (60) days of the end of the forty-five (45) day EPA review period. Such an objection must be based only on issues that were raised with reasonable specificity during the public comment period, unless the petitioner demonstrates that it was impracticable to raise such issues, or if the grounds for such objection arose after the comment period.

To petition the U.S. EPA to object to the issuance of a Title V operating permit, contact:

U.S. Environmental Protection Agency
401 M Street
Washington, D.C. 20406

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178. Callers from within Indiana may call toll-free at 1-800-451-6027, ext. 3-0178.



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MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
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www.IN.gov/idem

Part 70 Operating Permit Renewal OFFICE OF AIR QUALITY

**Parkview Memorial Hospital
2200 Randallia Drive
Fort Wayne, Indiana 46805**

(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.

The Permittee must comply with all conditions of this permit. Noncompliance with any provisions of this permit is grounds for enforcement action; permit termination, revocation and reissuance, or modification; or denial of a permit renewal application. Noncompliance with any provision of this permit, except any provision specifically designated as not federally enforceable, constitutes a violation of the Clean Air Act. It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. An emergency does constitute an affirmative defense in an enforcement action provided the Permittee complies with the applicable requirements set forth in Section B, Emergency Provisions.

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-7 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

Operation Permit No.: T003-23731-00272	
Issued by: Original signed by	Issuance Date: February 28, 2008
Matthew Stuckey, Deputy Branch Chief Permits Branch Office of Air Quality	Expiration Date: February 28, 2013

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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 through A.3 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 2-7-4(c)][326 IAC 2-7-5(15)][326 IAC 2-7-1(22)]

The Permittee owns and operates a stationary hospital source consisting of a medical waste incinerator and two (2) natural gas fired boilers.

Source Address:	2200 Randallia Drive Fort Wayne, Indiana 46805
Mailing Address:	2200 Randallia Drive Fort Wayne, Indiana 46805
General Source Phone Number:	260-373-3113
SIC Code:	8062
County Location:	Allen
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Part 70 Operating Permit Program Minor Source, under PSD and Emission Offset Rules Major Source, Section 112 of the Clean Air Act Not 1 of 28 Source Categories

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)] [326 IAC 2-7-5(15)]

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

- (a) One (1) medical waste incinerator, identified as INC, installed in 1984, firing natural gas as supplementary fuel, with a maximum charge rate of 1200 pounds of medical waste per hour, rated at 4.0 million British thermal units (MMBtu) per hour, with a wet scrubber as control, and exhausting to Stack 1.
- (b) Two (2) natural gas fired boilers, firing No. 2 distillate fuel oil as backup, identified as Boiler #1 and Boiler #2, installed in 1971, each rated at 39 MMBtu per hour, and each exhausting to Stack 2.
- (c) Two (2) natural gas-fired reciprocating engines, installed in 1994, each with a maximum rating of 450 horsepower (HP), used to provide power to two (2) chillers which are part of the air conditioning system.

A.3 Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-7-4(c)] [326 IAC 2-7-5(15)]

This stationary source also includes the following insignificant activities which are specifically regulated, as defined in 326 IAC 2-7-1(21):

- (a) Emergency generators as follows:
 - (1) Emergency diesel generators not exceeding 1600 horsepower.
 - A) Three (3) emergency generators, each rated at 835 HP;
 - B) One (1) emergency generator rated at 1310 HP;
 - C) One (1) emergency generator rated at 1325 HP;

- (b) Grinding and machining operations controlled with fabric filters, scrubbers, mist collectors, wet collectors and electrostatic precipitators with a design grain loading of less than or equal to 0.03 grains per actual cubic foot and a gas flow rate less than or equal to 4000 actual cubic feet per minute, including the following: deburring; buffing; polishing; abrasive blasting; pneumatic conveying; and woodworking operations. [326 IAC 6-3-2]

A.4 Part 70 Permit Applicability [326 IAC 2-7-2]

This stationary source is required to have a Part 70 permit by 326 IAC 2-7-2 (Applicability) because:

- (a) It is a major source, as defined in 326 IAC 2-7-1(22);
- (b) It is a source in a source category designated by the United States Environmental Protection Agency (U.S. EPA) under 40 CFR 70.3 (Part 70 - Applicability).

SECTION B GENERAL CONDITIONS

B.1 Definitions [326 IAC 2-7-1]

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 2-7) shall prevail.

B.2 Permit Term [326 IAC 2-7-5(2)][326 IAC 2-1.1-9.5][326 IAC 2-7-4(a)(1)(D)][IC 13-15-3-6(a)]

- (a) This permit, T003-23731-00272, 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, including any permit shield provided in 326 IAC 2-7-15, 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 [326 IAC 2-7-7]

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 [326 IAC 2-7-5(5)]

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 [326 IAC 2-7-5(6)(D)]

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

B.7 Duty to Provide Information [326 IAC 2-7-5(6)(E)]

- (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 the "responsible official" as defined by 326 IAC 2-7-1(34). 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 [326 IAC 2-7-4(f)][326 IAC 2-7-6(1)][326 IAC 2-7-5(3)(C)]

- (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 the "responsible official" 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) A "responsible official" is defined at 326 IAC 2-7-1(34).

B.9 Annual Compliance Certification [326 IAC 2-7-6(5)]

- (a) The Permittee shall annually submit a compliance certification report which addresses the status of the source's compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. All certifications shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted no later than July 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, Indiana 46204-2251

and

United States Environmental Protection Agency, Region V
Air and Radiation Division, Air Enforcement Branch - Indiana (AE-17J)
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

- (b) The annual compliance certification report 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) The annual compliance certification report shall include the following:
 - (1) The appropriate identification of each term or condition of this permit that is the basis of the certification;
 - (2) The compliance status;
 - (3) Whether compliance was continuous or intermittent;
 - (4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-7-5(3); and
 - (5) Such other facts, as specified in Sections D of this permit, as IDEM, OAQ may require to determine the compliance status of the source.

The submittal by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

B.10 Preventive Maintenance Plan [326 IAC 2-7-5(1),(3) and (13)][326 IAC 2-7-6(1) and (6)][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 proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions or potential to emit. The PMPs do not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (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 Emergency Provisions [326 IAC 2-7-16]

- (a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation.
- (b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:
- (1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;
 - (2) The permitted facility was at the time being properly operated;
 - (3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;
 - (4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ, within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone Number: 1-800-451-6027 (ask for Office of Air Quality,
Compliance Section), or
Telephone Number: 317-233-0178 (ask for Compliance Section)

Facsimile Number: 317-233-6865

- (5) For each emergency lasting one (1) hour or more, the Permittee submitted the attached Emergency Occurrence Report Form or its equivalent, either by mail or facsimile to:

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

within two (2) working days of the time when emission limitations were exceeded due to the emergency.

The notice fulfills the requirement of 326 IAC 2-7-5(3)(C)(ii) and must contain the following:

- (A) A description of the emergency;
- (B) Any steps taken to mitigate the emissions; and
- (C) Corrective actions taken.

The notification which shall be submitted by the Permittee does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (6) The Permittee immediately took all reasonable steps to correct the emergency.
- (c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.
 - (d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.
 - (e) The Permittee seeking to establish the occurrence of an emergency shall make records available upon request to ensure that failure to implement a PMP did not cause or contribute to an exceedance of any limitations on emissions. However, IDEM, OAQ may require that the Preventive Maintenance Plans required under 326 IAC 2-7-4(c)(9) be revised in response to an emergency.
 - (f) Failure to notify IDEM, OAQ by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-7 and any other applicable rules.
 - (g) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.
 - (h) The Permittee shall include all emergencies in the Quarterly Deviation and Compliance Monitoring Report.

B.12 Permit Shield [326 IAC 2-7-15][326 IAC 2-7-20][326 IAC 2-7-12]

- (a) Pursuant to 326 IAC 2-7-15, the Permittee has been granted a permit shield. The permit shield provides that compliance with the conditions of this permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that either the applicable requirements are included and specifically identified in this permit or the permit contains an explicit determination or concise summary of a determination that other specifically identified requirements are not applicable. The Indiana statutes from IC 13 and rules from 326 IAC, referenced 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 Part 70 permit under 326 IAC 2-7 or for applicable requirements for which a permit shield has been granted.

This permit shield does not extend to applicable requirements which are promulgated after the date of issuance of this permit unless this permit has been modified to reflect such new requirements.

- (b) If, after issuance of this permit, it is determined that the permit is in nonconformance with an applicable requirement that applied to the source on the date of permit issuance, IDEM, OAQ, shall immediately take steps to reopen and revise this permit and issue a compliance order to the Permittee to ensure expeditious compliance with the applicable requirement until the permit is reissued. The permit shield shall continue in effect so long as the Permittee is in compliance with the compliance order.
- (c) No permit shield shall apply to any permit term or condition that is determined after issuance of this permit to have been based on erroneous information supplied in the permit application. Erroneous information means information that the Permittee knew to be false, or in the exercise of reasonable care should have been known to be false, at the time the information was submitted.
- (d) Nothing in 326 IAC 2-7-15 or in this permit shall alter or affect the following:
- (1) The provisions of Section 303 of the Clean Air Act (emergency orders), including the authority of the U.S. EPA under Section 303 of the Clean Air Act;
 - (2) The liability of the Permittee for any violation of applicable requirements prior to or at the time of this permit's issuance;
 - (3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act; and
 - (4) The ability of U.S. EPA to obtain information from the Permittee under Section 114 of the Clean Air Act.
- (e) This permit shield is not applicable to any change made under 326 IAC 2-7-20(b)(2) (Sections 502(b)(10) of the Clean Air Act changes) and 326 IAC 2-7-20(c)(2) (trading based on State Implementation Plan (SIP) provisions).
- (f) This permit shield is not applicable to modifications eligible for group processing until after IDEM, OAQ, has issued the modifications. [326 IAC 2-7-12(c)(7)]
- (g) This permit shield is not applicable to minor Part 70 permit modifications until after IDEM, OAQ, has issued the modification. [326 IAC 2-7-12(b)(8)]

B.13 Prior Permits Superseded [326 IAC 2-1.1-9.5][326 IAC 2-7-10.5]

- (a) All terms and conditions of permits established prior to T003-23731-00272 and issued pursuant to permitting programs approved into the state implementation plan have been either:
- (1) incorporated as originally stated,
 - (2) revised under 326 IAC 2-7-10.5, or
 - (3) deleted under 326 IAC 2-7-10.5.
- (b) Provided that all terms and conditions are accurately reflected in this permit, all previous registrations and permits are superseded by this Part 70 operating permit.

B.14 Termination of Right to Operate [326 IAC 2-7-10][326 IAC 2-7-4(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 nine (9) months prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-7-3 and 326 IAC 2-7-4(a).

B.15 Deviations from Permit Requirements and Conditions [326 IAC 2-7-5(3)(C)(ii)]

- (a) Deviations from any permit requirements (for emergencies see Section B - Emergency Provisions), the probable cause of such deviations, and any response steps or preventive measures taken shall be reported 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

using the attached Quarterly Deviation and Compliance Monitoring Report, or its equivalent. A deviation required to be reported pursuant to an applicable requirement that exists independent of this permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report.

The Quarterly Deviation and Compliance Monitoring Report does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (b) A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.

B.16 Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-7-5(6)(C)][326 IAC 2-7-8(a)][326 IAC 2-7-9]

- (a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Part 70 Operating Permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-7-5(6)(C)] The notification by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ determines any of the following:
- (1) That this permit contains a material mistake.

- (2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.
- (3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-7-9(a)(3)]
- (c) Proceedings by IDEM, OAQ to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-7-9(b)]
- (d) The reopening and revision of this permit, under 326 IAC 2-7-9(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ may provide a shorter time period in the case of an emergency. [326 IAC 2-7-9(c)]

B.17 Permit Renewal [326 IAC 2-7-3][326 IAC 2-7-4][326 IAC 2-7-8(e)]

- (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 2-7-4. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(40). The renewal application does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

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 nine (9) months 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 2-7 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.18 Permit Amendment or Modification [326 IAC 2-7-11][326 IAC 2-7-12]

- (a) Permit amendments and modifications are governed by the requirements of 326 IAC 2-7-11 or 326 IAC 2-7-12 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 the "responsible official" as defined by 326 IAC 2-7-1(34).

- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11(c)(3)]

B.19 Permit Revision Under Economic Incentives and Other Programs
[326 IAC 2-7-5(8)][326 IAC 2-7-12(b)(2)]

- (a) No Part 70 permit revision shall be required under any approved economic incentives, marketable Part 70 permits, emissions trading, and other similar programs or processes for changes that are provided for in a Part 70 permit.
- (b) Notwithstanding 326 IAC 2-7-12(b)(1) and 326 IAC 2-7-12(c)(1), minor Part 70 permit modification procedures may be used for Part 70 modifications involving the use of economic incentives, marketable Part 70 permits, emissions trading, and other similar approaches to the extent that such minor Part 70 permit modification procedures are explicitly provided for in the applicable State Implementation Plan (SIP) or in applicable requirements promulgated or approved by the U.S. EPA.

B.20 Operational Flexibility [326 IAC 2-7-20][326 IAC 2-7-10.5]

- (a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-7-20(b),(c), or (e) without a prior permit revision, if each of the following conditions is met:
- (1) The changes are not modifications under any provision of Title I of the Clean Air Act;
 - (2) Any preconstruction approval required by 326 IAC 2-7-10.5 has been obtained;
 - (3) The changes do not result in emissions which exceed the limitations provided in this permit (whether expressed herein as a rate of emissions or in terms of total emissions);
 - (4) The Permittee notifies the:

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

and

United States Environmental Protection Agency, Region V
Air and Radiation Division, Regulation Development Branch - Indiana (AR-18J)

77 West Jackson Boulevard
Chicago, Illinois 60604-3590

in advance of the change by written notification at least ten (10) days in advance of the proposed change. The Permittee shall attach every such notice to the Permittee's copy of this permit; and

- (5) The Permittee maintains records on-site, on a rolling five (5) year basis, which document all such changes and emission trades that are subject to 326 IAC 2-7-20(b),(c), or (e). The Permittee shall make such records available, upon reasonable request, for public review.

Such records shall consist of all information required to be submitted to IDEM, OAQ in the notices specified in 326 IAC 2-7-20(b)(1), (c)(1), and (e)(2).

- (b) The Permittee may make Section 502(b)(10) of the Clean Air Act changes (this term is defined at 326 IAC 2-7-1(36)) without a permit revision, subject to the constraint of 326 IAC 2-7-20(a). For each such Section 502(b)(10) of the Clean Air Act change, the required written notification shall include the following:

- (1) A brief description of the change within the source;
- (2) The date on which the change will occur;
- (3) Any change in emissions; and
- (4) Any permit term or condition that is no longer applicable as a result of the change.

The notification which shall be submitted is not considered an application form, report or compliance certification. Therefore, the notification by the Permittee does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (c) Emission Trades [326 IAC 2-7-20(c)]
The Permittee may trade emissions increases and decreases at the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-7-20(c).
- (d) Alternative Operating Scenarios [326 IAC 2-7-20(d)]
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-7-5(9). No prior notification of IDEM, OAQ, or U.S. EPA is required.
- (e) Backup fuel switches specifically addressed in, and limited under, Section D of this permit shall not be considered alternative operating scenarios. Therefore, the notification requirements of part (a) of this condition do not apply.

B.21 Source Modification Requirement [326 IAC 2-7-10.5]

A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2 and 326 IAC 2-7-10.5.

B.22 Inspection and Entry [326 IAC 2-7-6][IC 13-14-2-2][IC 13-30-3-1][IC 13-17-3-2]

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 Part 70 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 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 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 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.23 Transfer of Ownership or Operational Control [326 IAC 2-7-11]

- (a) The Permittee must comply with the requirements of 326 IAC 2-7-11 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 the "responsible official" as defined by 326 IAC 2-7-1(34).
- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11(c)(3)]

B.24 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-7-5(7)][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. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ the applicable fee is due April 1 of each year.
- (b) Except as provided in 326 IAC 2-7-19(e), failure to pay may result in administrative enforcement action or revocation of this permit.

- (c) 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.25 Advanced Source Modification Approval [326 IAC 2-7-5(16)] [326 IAC 2-7-10.5]

- (a) The requirements to obtain a source modification approval under 326 IAC 2-7-10.5 or a permit modification under 326 IAC 2-7-12 are satisfied by this permit for the proposed emission units, control equipment or insignificant activities in Sections A.2 and A.3.
- (b) Pursuant to 326 IAC 2-1.1-9 any permit authorizing construction may be revoked if construction of the emission unit has not commenced within eighteen (18) months from the date of issuance of the permit, or if during the construction, work is suspended for a continuous period of one (1) year or more.

B.26 Credible Evidence [326 IAC 2-7-5(3)][326 IAC 2-7-6][62 FR 8314] [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 2-7-5(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 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.3 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.4 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.5 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.6 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 by using ambient air quality modeling pursuant to 326 IAC 1-7-4.

C.7 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 the "responsible official" as defined by 326 IAC 2-7-1(34).

- (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 2-7-6(1)]

C.8 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 the "responsible official" as defined by 326 IAC 2-7-1(34).

- (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 the "responsible official" as defined by 326 IAC 2-7-1(34).
- (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.

C.9 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 2-7-5(1)][326 IAC 2-7-6(1)]

C.10 Compliance Monitoring [326 IAC 2-7-5(3)][326 IAC 2-7-6(1)]

Unless otherwise specified in this permit, all monitoring and record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance. If required by Section D, the Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment. If due to circumstances beyond its control, that equipment cannot be installed and operated within ninety (90) days, the Permittee may extend the compliance schedule related to the equipment for an additional ninety (90) days provided the Permittee notifies:

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

in writing, prior to the end of the initial ninety (90) day compliance schedule, with full justification of the reasons for the inability to meet this date.

The notification which shall be submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

Unless otherwise specified in the approval for the new emission unit(s), compliance monitoring for new emission units or emission units added through a source modification shall be implemented when operation begins.

C.11 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.12 Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]

- (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 [326 IAC 2-7-5][326 IAC 2-7-6]

C.13 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]

Pursuant to 326 IAC 1-5-2 (Emergency Reduction Plans; Submission):

- (a) The Permittee prepared and submitted written emergency reduction plans (ERPs) consistent with safe operating procedures on July 2002.
- (b) Upon direct notification by IDEM, OAQ that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate episode level. [326 IAC 1-5-3]

C.14 Risk Management Plan [326 IAC 2-7-5(12)] [40 CFR 68]

If a regulated substance, as defined in 40 CFR 68, is present at a source in more than a threshold quantity, the Permittee must comply with the applicable requirements of 40 CFR 68.

C.15 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5][326 IAC 2-7-6]

- (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 the "responsible official" as defined by 326 IAC 2-7-1(34).

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

C.16 Emission Statement [326 IAC 2-7-5(3)(C)(iii)][326 IAC 2-7-5(7)][326 IAC 2-7-19(c)][326 IAC 2-6]

- (a) In accordance with the compliance schedule specified in 326 IAC 2-6-3(b)(1), starting in 2004 and every three (3) years thereafter, the Permittee shall submit by July 1 an emission statement covering the previous calendar year. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4(c) and shall meet the following requirements:

- (1) Indicate estimated actual emissions of all pollutants listed in 326 IAC 2-6-4(a);
- (2) Indicate estimated actual emissions of regulated pollutants as defined by 326 IAC 2-7-1(32) ("Regulated pollutant, which is used only for purposes of Section 19 of this rule") from the source, for purpose of fee assessment.

The statement must be submitted to:

Indiana Department of Environmental Management
Technical Support and Modeling Section, Office of Air Quality
100 North Senate Avenue
MC 61-50 IGCN 1003
Indianapolis, Indiana 46204-2251

The emission statement does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (b) The emission statement 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.17 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6]

- (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 2-7-5(3)(C)] [326 IAC 2-1.1-11]

- (a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Any deviation from permit requirements, the date(s) of each

deviation, the cause of the deviation, and the response steps taken must be reported. This report shall be submitted within thirty (30) days of the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (b) The report required in (a) of this condition and 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
- (c) 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.
- (d) 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 the "responsible official" as defined by 326 IAC 2-7-1(34).
- (e) 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.
- (f) 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.

Stratospheric Ozone Protection

C.19 Compliance with 40 CFR 82 and 326 IAC 22-1

Pursuant to 40 CFR 82 (Protection of Stratospheric Ozone), Subpart F, except as provided for motor vehicle air conditioners in Subpart B, the Permittee shall comply with the standards for recycling and emissions reduction:

- (a) Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156.
- (b) Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158.
- (c) Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

- (a) One (1) medical waste incinerator, identified as INC, installed in 1984, firing natural gas as supplementary fuel, with a maximum charge rate of 1200 pounds of medical waste per hour, rated at 4.0 million British thermal units (MMBtu) per hour, and exhausting to Stack 1.
- (b) Two (2) natural gas fired boilers, firing No. 2 distillate fuel oil as backup, identified as Boiler #1 and Boiler #2, installed in 1971, each rated at 39 MMBtu per hour, and each exhausting to Stack 2.
- (c) Two (2) natural gas-fired reciprocating engines, each with a maximum rating of 450 horsepower (HP), used to provide power to two (2) chillers which are part of the air conditioning system.

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

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.1.1 Special Condition

The medical waste incinerator, identified as INC, shall have a charge rate of less than 500 pounds per hour of medical waste.

D.1.2 General Provisions Relating to NSPS [326 IAC 11-6][40 CFR Part 60, Subpart A] [40 CFR Part 60, Subpart B]

The provisions of 40 CFR 60, Subpart A - General Provisions and 40 CFR 60, Subpart B – Adoption and Submittal of State Plans for Designated Facilities, which are incorporated by reference in 326 IAC 11-6, apply to the facility described in this section except when otherwise specified in 40 CFR 60, Subpart Ce

D.1.3 Hospital/Medical/Infectious Waste Incinerators [326 IAC 11-6] [40 CFR 60.33e]

Pursuant to 326 IAC 11-6-4 and 40 CFR 60, Subpart Ce, Section 60.33e, the medical waste incinerator shall comply with the following emission limits:

- (a) Particulate Matter emissions shall not exceed 0.03 grains per dry standard cubic foot for medium Hospital/Medical/Infectious Waste Incinerators;
- (b) Carbon Monoxide emissions shall not exceed 40 parts per million by volume;
- (c) 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);
- (d) Hydrogen chloride emissions shall not exceed 100 parts per million by volume or a 93% reduction;
- (e) Sulfur dioxide emissions shall not exceed 55 parts per million by volume;
- (f) Nitrogen oxide emissions shall not exceed 250 parts per million by volume;
- (g) Lead emissions shall not exceed 0.52 grains per thousand dry standard cubic feet or a

- 70% reduction;
- (h) Cadmium emissions shall not exceed 0.07 grains per thousand dry standard cubic feet or a 65% reduction;
 - (i) Mercury emissions shall not exceed 0.24 grains per thousand dry standard cubic feet or an 85% reduction;
 - (j) Discharge into the atmosphere of any gases shall not exceed ten percent (10%) opacity.

D.1.4 Operator Training and Qualification Requirements [40 CFR 60.34e] [326 IAC 11-6-5]

Pursuant to 326 IAC 11-6-5, 40 CFR 60, Subpart Ce, Section 34e:

- (a) The medical waste incinerator shall not operate at any time unless a fully trained and qualified Hospital/Medical/Infectious Waste Incinerator (HMIWI) operator is accessible either at the facility or available within one (1) hour. The trained and qualified HMIWI operator may operate the HMIWI directly or be the direct supervisor of one or more HMIWI operators.
- (b) The Permittee shall maintain documentation at the facility that addresses the following:
 - (1) Summary of the applicable standards;
 - (2) Description of basic combustion theory applicable to an HMIWI;
 - (3) Procedures for receiving, handling, and charging waste;
 - (4) HMIWI startup, shutdown and malfunction procedures;
 - (5) Procedures for maintaining proper combustion air supply levels;
 - (6) Procedures for operating the HMIWI and associated air pollution control systems within the standards established in paragraph (a) above;
 - (7) Procedures for responding to periodic malfunction or conditions that may lead to malfunction;
 - (8) Procedures for monitoring HMIWI emissions;
 - (9) Reporting and recordkeeping procedures;
 - (10) Procedures for handling ash.
- (c) The information listed in paragraph (b) above shall be kept in a readily accessible location for all HMIWI operators. This information, along with records of training shall be available for inspection by the EPA or its delegated enforcement agent upon request.

D.1.5 Waste Management Plan [326 IAC 11-6-6] [40 CFR 60.35e]

Pursuant to 326 IAC 11-6-6, the Permittee has prepared and submitted a waste management plan as specified in 40 CFR 60.55c that meets the following requirements 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 dilators; and
 - (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.1.6 Incinerators [326 IAC 4-2-2]

Pursuant to 326 IAC 4-2-2, the medical waste incinerator, rated at 1200 pounds 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 (Opacity limitations).
- (d) Be maintained properly as specified by the manufacturer and approved by IDEM.
- (e) Be operated according to the manufacturer's recommendation and only burn waste approved by IDEM.
- (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 materials including, but not limited to, viable pathogenic bacteria, dangerous chemical or gases, or noxious odors are prevented.
- (h) Not create a nuisance or a fire hazard.
- (i) Not emit particulate matter (PM) in excess of 0.3 pounds per 1000 pounds of dry exhaust gas corrected to fifty percent (50%) excess air.

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

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

Pursuant to 326 IAC 9-1-2, the waste gas stream from the medical waste incinerator shall be burned in a direct-flame afterburner.

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.

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

D.1.9 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 11-6-7] [40 CFR 60.37e] [40 CFR 60, Subpart Ce]

- (a) Pursuant to 40 CFR 60.56c(c)(2) and (3), annual performance testing to demonstrate compliance with PM, CO, and HCl emission limits established in Condition D.1.3 shall be performed each year following the initial performance test conducted on March 27, 2002. If all three (3) performance tests over a three (3) consecutive year period indicate compliance with the emission limit for a pollutant (PM, CO, or HCL), the Permittee may forego a performance test for that pollutant for the subsequent two (2) years. At a minimum, a performance test for PM, CO, and HCl 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 HCl), the Permittee 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.
- (b) Pursuant to 40 CFR 60.56c(c)(1), the Permittee shall determine compliance with the opacity limit established in Condition D.1.3 by conducting an annual performance test (no more than twelve (12) months following the previous performance test).
- (c) 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 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.

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

D.1.11 Monitoring [326 IAC 11-6-7] [40 CFR 60.37e] [40 CFR 60.57c]

Pursuant to 326 IAC 11-6-7(c), and 40 CFR 60, Subpart Ce, Section 60.37e, the Permittee shall:

- (a) 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) Install, calibrate to manufacturers' specifications, maintain, and operate a device or method for measuring the use of the bypass stack including date, time and duration.
- (c) 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.1.5(f)(5).

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

D.1.12 Record Keeping Requirements

- (a) To document compliance with Conditions D.1.3 and D.11, the Permittee shall maintain information on site for a period of at least five (5) years sufficient to establish compliance with 40 CFR 60.58c(b), based on the control equipment installed.
- (b) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.1.13 Reporting Requirements

- (a) Pursuant to 326 IAC 11-6-8(a) and (b), 40 CFR 60.38e, and 40 CFR 60.58c(c) the Permittee has submitted 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 60.58c(d), as of 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 next 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 duration 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;
 - (8) Any use of the bypass stack, the duration, reason for malfunction and corrective action taken;

The annual report shall be submitted to the addresses listed in Section C - General Reporting Requirements, of this permit within sixty (60) days after the end of the twelve (12) month period being reported. Reporting periods shall be based on the calendar annual period ending March 31. The report submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

SECTION D.2 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]:

- (a) Two (2) natural gas fired boilers, firing No. 2 distillate fuel oil as backup, identified as Boiler #1 and Boiler #2, installed in 1971, each rated at 39 MMBtu per hour, and each exhausting to Stack 2.
- (b) Two (2) gas-fired reciprocating engines, installed in 1994, each with a maximum rating of 450 horsepower (HP), used to provide power to two (2) chillers which are part of the air conditioning system.

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

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.2.1 Particulate [326 IAC 6-2-3]

Pursuant to 326 IAC 6-2-3 (d) (Particulate Emission Limitations for Sources of Indirect Heating: emission limitations for facilities specified in 326 IAC 6-2-1 (b)), particulate emissions from the two (2) 39 MMBtu/hr boilers (Boiler #1 and Boiler #2) used for indirect heating purposes which were existing and in operation on or before June 8, 1972, shall in no case exceed 0.8 pounds of particulate matter per million British thermal units heat input.

D.2.2 Sulfur Dioxide (SO₂) [326 IAC 7-1.1-1]

Pursuant to 326 IAC 7-1.1 (SO₂ Emissions Limitations), the SO₂ emissions from each of the two (2) 39 MMBtu/hr boilers using No. 2 fuel oil shall not exceed five tenths (0.5) pounds per million Btu heat input when using No. 2 fuel oil. This equates to a sulfur content limit of less than or equal to 0.5%.

D.2.3 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 these facilities.

Compliance Determination Requirements

D.2.4 Sulfur Dioxide Emissions and Sulfur Content [326 IAC 3-7-4]

Compliance shall be determined utilizing one of the following options.

- (a) Pursuant to 326 IAC 3-7-4, the Permittee shall demonstrate that the sulfur dioxide emissions do not exceed five-tenths (0.5) pounds per million Btu heat input by:
 - (1) Providing vendor analysis of fuel delivered, if accompanied by a vendor certification, or;
 - (2) Analyzing the oil sample to determine the sulfur content of the oil via the procedures in 40 CFR 60, Appendix A, Method 19.
 - (A) Oil samples may be collected from the fuel tank immediately after the fuel tank is filled and before any oil is combusted; and
 - (B) If a partially empty fuel tank is refilled, a new sample and analysis would be required upon filling.
- (b) Compliance may also be determined by conducting a stack test for sulfur dioxide emissions from the two (2) 39 MMBtu/hr boilers, using 40 CFR 60, Appendix A, Method 6

in accordance with the procedures in 326 IAC 3-6.

A determination of noncompliance pursuant to any of the methods specified in (a) or (b) above shall not be refuted by evidence of compliance pursuant to the other method.

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

D.2.5 Visible Emissions Notations

- (a) Visible emission notations of the two (2) 39 MMBtu/hr boilers stack exhaust (Stack 2) shall be performed once per day during normal daylight operations when combusting fuel 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 2-7-5(3)] [326 IAC 2-7-19]

D.2.6 Record Keeping Requirements

- (a) To document compliance with Condition D.2.2, the Permittee shall maintain records in accordance with (1) through (6) below.
 - (1) Calendar dates covered in the compliance determination period;
 - (2) Actual fuel oil usage since last compliance determination period and equivalent sulfur dioxide emissions;
 - (3) To certify compliance when burning natural gas only, the Permittee shall maintain records of fuel used.

If the fuel supplier certification is used to demonstrate compliance, when burning alternate fuels and not determining compliance pursuant to 326 IAC 3-7-4, the following, as a minimum, shall be maintained:

- (4) Fuel supplier certifications;
- (5) The name of the fuel supplier; and
- (6) A statement from the fuel supplier that certifies the sulfur content of the fuel oil.

The Permittee shall retain records of all recording/monitoring data and support information for a period of five (5) years, or longer if specified elsewhere in this permit, from the date

of the monitoring sample, measurement, or report. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit.

- (b) To document compliance with Condition D.2.5, the Permittee shall maintain records of visible emission notations of the boilers stack exhaust (S2) once per day.
- (c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.2.7 Reporting Requirements

- a) The natural gas boiler certification shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or its equivalent, within thirty (30) days after the end of the six (6) month period being reported. The natural gas-fired boiler certification does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (b) Pursuant to 326 IAC 7-2-1(c)(3), the Permittee shall submit reports of calendar month average sulfur content, heat content, fuel consumption and sulfur dioxide emission rate in pounds per million British thermal units (mmBtu) upon request of IDEM, OAQ.

SECTION D.3 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]

- (a) Emergency diesel generators not exceeding 1600 horsepower.
 - (1) Three (3) emergency generators, each rated at 835 horsepower;
 - (2) One (1) emergency generator rated at 1310 horsepower;
 - (3) One (1) emergency generator rated at 1325 horsepower
- (b) Grinding and machining operations controlled with fabric filters, scrubbers, mist collectors, wet collectors and electrostatic precipitators with a design grain loading of less than or equal to 0.03 grains per actual cubic foot and a gas flow rate less than or equal to 4000 actual cubic feet per minute, including the following: deburring; buffing; polishing; abrasive blasting; pneumatic conveying; and woodworking operations.

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

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.3.1 Particulate Matter [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2, the allowable particulate matter emissions from any process which has a maximum process weight rate less than 100 pounds per hour shall not exceed 0.551 pounds per hour.

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

D.3.2 Record Keeping Requirements

-
- (a) To document compliance with Condition D.3.1, the Permittee shall maintain records of the following:
 - (1) Records of the annual fuel usage of each emergency generator.
 - (b) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
PART 70 OPERATING PERMIT
CERTIFICATION**

Source Name: Parkview Memorial Hospital
Source Address: 2200 Randallia Drive, Fort Wayne, Indiana 46805
Mailing Address: 2200 Randallia Drive, Fort Wayne, Indiana 46805
Part 70 Permit No.: T003-23731-00272

This certification shall be included when submitting monitoring, testing reports/results or other documents as required by this permit.

Please check what document is being certified:

- Annual Compliance Certification Letter
- Test Result (specify)
- Report (specify)
- Notification (specify)
- Affidavit (specify)
- Other (specify)

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Signature:

Printed Name:

Title/Position:

Phone:

Date:

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE BRANCH
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
Phone: 317-233-0178
Fax: 317-233-6865**

**PART 70 OPERATING PERMIT
EMERGENCY OCCURRENCE REPORT**

Source Name: Parkview Memorial Hospital
Source Address: 2200 Randallia Drive, Fort Wayne, Indiana 46805
Mailing Address: 2200 Randallia Drive, Fort Wayne, Indiana 46805,
Part 70 Permit No.: T003-23731-00272

This form consists of 2 pages

Page 1 of 2

- This is an emergency as defined in 326 IAC 2-7-1(12)
- The Permittee must notify the Office of Air Quality (OAQ), within four (4) business hours (1-800-451-6027 or 317-233-0178, ask for Compliance Section); and
 - The Permittee must submit notice in writing or by facsimile within two (2) working days (Facsimile Number: 317-233-6865), and follow the other requirements of 326 IAC 2-7-16.

If any of the following are not applicable, mark N/A

Facility/Equipment/Operation:
Control Equipment:
Permit Condition or Operation Limitation in Permit:
Description of the Emergency:
Describe the cause of the Emergency:

If any of the following are not applicable, mark N/A

Page 2 of 2

Date/Time Emergency started:
Date/Time Emergency was corrected:
Was the facility being properly operated at the time of the emergency? Y N
Type of Pollutants Emitted: TSP, PM-10, SO ₂ , VOC, NO _x , CO, Pb, other:
Estimated amount of pollutant(s) emitted during emergency:
Describe the steps taken to mitigate the problem:
Describe the corrective actions/response steps taken:
Describe the measures taken to minimize emissions:
If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value:

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____

A certification is not required for this report.

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

**PART 70 OPERATING PERMIT
SEMI-ANNUAL NATURAL GAS FIRED BOILER CERTIFICATION**

Source Name: Parkview Memorial Hospital
Source Address: 2200 Randallia Drive, Fort Wayne, Indiana 46805
Mailing Address: 2200 Randallia Drive, Fort Wayne, Indiana 46805,
Part 70 Permit No.: T003-23731-00272

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

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Signature:

Printed Name:

Title/Position:

Phone:

Date:

A certification by the responsible official as defined by 326 IAC 2-7-1(34) is required for this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF AIR QUALITY
 COMPLIANCE DATA SECTION
 PART 70 OPERATING PERMIT
 QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT**

Source Name: Parkview Memorial Hospital
 Source Address: 2200 Randallia Drive, Fort Wayne, Indiana 46805
 Mailing Address: 2200 Randallia Drive, Fort Wayne, Indiana 46805,
 Part 70 Permit No.: T003-23731-00272

Months: _____ **to** _____ **Year:** _____

This report shall be submitted quarterly based on a calendar year. Any deviation from the requirements, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".	
<input type="checkbox"/> NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.	
<input type="checkbox"/> THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

**Indiana Department of Environmental Management
Office of Air Quality**

Addendum to the Technical Support Document (TSD) for a Part 70
Operating Permit Renewal

Source Background and Description

Source Name:	Parkview Memorial Hospital
Source Location:	2200 Randallia Drive, Fort Wayne, Indiana 46805
County:	Allen
SIC Code:	8062
Operation Permit No.:	T 003-11993-00272
Operation Permit Issuance Date:	July 11, 2002
Permit Renewal No.:	003-23731-00272
Permit Reviewer:	Edward Judson/Anne-Marie C. Hart

On November 20, 2007, the Office of Air Quality (OAQ) sent a Public Notice to the Fort Wayne Journal Gazette News Sentinel stating that Parkview Memorial Hospital had applied for a Part 70 Operating Permit Renewal to operate a stationary hospital source consisting of a medical waste incinerator and two (2) natural gas fired boilers. The notice also stated that OAQ proposed to issue a Part 70 Operating Permit Renewal for this operation and provided information on how the public could review the proposed Part 70 Operating Permit Renewal and other documentation. Finally, the notice informed interested parties that there was a period of thirty (30) days to provide comments on whether or not this Part 70 Operating Permit Renewal should be issued as proposed.

On December 12, 2007, on behalf of Parkview Memorial Hospital, Greg Clark submitted comments on the proposed Part 70 Operating Permit. The comments are as follows: The permit language, if changed, has deleted language as ~~strikeouts~~ and new language **bolded**.

Comment 1:

As a general comment, Title V Renewal Permit 083-18224-00027 issued to Good Samaritan Hospital, Vincennes, Indiana, on September 27, 2006, appears to have been used as a template for Parkview's draft permit without regard to the applicability of specific conditions. The similarity in the two permits was identified by the references in Sections D.1.1 and D.3.1 of Parkview's draft permit to Good Samaritan permit numbers. Notable differences between the two hospitals that affect permit conditions are:

- 1) Parkview's incinerator has a wet scrubber as a control device and Good Samaritan's incinerator has no control device;
- 2) Parkview's two boilers are rated at 39 MMBtu/hr and Good Samaritan's are rated at 46 MMBtu/hr; and
- 3) Parkview has 5 emergency generators, each operated less than 500 hours per year, and Good Samaritan has 4 emergency generators, each operated less than 1000 hours per year.

D.1.1 Special Condition

Please delete the reference to Good Samaritan's permit by deleting "*Pursuant to Operating Permit T083-7971-00027, issued on July 22, 1999,*" and capitalizing the letter "t" in "*the*".

Please correct the medical waste incinerator's description by replacing, "*incinerator, identified as EU1,*" with "*incinerator, identified as INC.*"

Parkview has agreed to take a limit of 500 pounds per hour. Because of efficiencies in hospital operations, the hospital now generates less medical waste to be incinerated.

D.1.7(a) Monitoring

This section is worded exactly as in the Good Samaritan permit T083-18224-00027 and does not include monitoring for parameters required of a Hospital Medical Infectious Waste Incinerator equipped with a wet scrubber by 40 CFR §60.57c. Required parameters that are present in the old permit and absent from the draft permit are

- 1) Minimum pressure drop across the wet scrubber, recorded once per minute;
- 2) Minimum scrubber liquor flow rate, recorded once per minute; and
- 3) Minimum scrubber liquor pH, recorded once per minute.

Please add these three parameters to Section 1.7(a)

D.1.8 Visible Emissions Notations

This section is worded exactly as in the Good Samaritan permit and is not required of Parkview's incinerator, since Parkview's incinerator is equipped with a wet scrubber and the scrubber operating parameters are monitored in compliance with 40 CFR §60.57c. The visible emission notations requirement is an additional burden to Parkview that is an ineffective and unnecessary duplication of the continuous monitoring of the wet scrubber operating parameters required by 40 CFR §60.57c. Please delete Section D.1.8.

D.1.10(a)(1) Record Keeping Requirements

This section requires maintaining "*(a) Records and dates of the following data: (1) Concentrations of any pollutant listed in 40 CFR 60.52c or measurements of opacity as determined by the continuous emission monitoring system (if applicable);*"

Since the draft permit does not require a continuous emission monitoring system, the requirement in Section D.1.10(a)(1) is not applicable and should be deleted. Its presence is confusing and not necessary. Please delete D.1.10(a)(1).

Response to Comment 1:

Upon further review, IDEM, OAQ inadvertently omitted necessary language pertaining to Parkview Memorial Hospital and included unnecessary language in the renewal. Section D.1 has been changed as follows to reflect the appropriate language regarding the operation of Parkview Memorial Hospital pursuant to OP T003-11993-00272. Subsequent conditions have been renumbered without reproduction herein:

D.1.1 Special Condition

~~Pursuant to Operating Permit T083-7971-00027, issued on July 22, 1999, t~~ The medical waste incinerator, identified as ~~EU4~~ **INC**, shall have a charge rate of less than 500 pounds per hour of medical waste.

D.1.5 Waste Management Plan [326 IAC 11-6-6] [40 CFR 60.35e]

Pursuant to 326 IAC 11-6-6, the Permittee has prepared and submitted a waste management plan as specified in 40 CFR 60.55c that meets the following requirements 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 dilators; and
 - (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.1.6 Incinerators [326 IAC 4-2-2]

Pursuant to 326 IAC 4-2-2, the medical waste incinerator, rated at 1200 pounds 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 (Opacity limitations).
- (d) Be maintained properly as specified by the manufacturer and approved by IDEM.
- (e) Be operated according to the manufacturer's recommendation and only burn waste approved by IDEM.
- (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 materials including, but not limited to, viable pathogenic bacteria, dangerous chemical or gases, or noxious odors are prevented.
- (h) Not create a nuisance or a fire hazard.
- (i) Not emit particulate matter (PM) in excess of 0.3 pounds per 1000 pounds of dry exhaust gas corrected to fifty percent (50%) excess air.

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

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

Pursuant to 326 IAC 9-1-2, the waste gas stream from the medical waste incinerator shall be burned in a direct-flame afterburner.

D.1.69 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 11-6-7] [40 CFR 60.37e] [40 CFR 60, Subpart Ce]

- (a) Pursuant to ~~326 IAC 11-6-7(a), and 40 CFR 60, Subpart Ce, Section 60.37e,~~ the

~~Permittee shall determine compliance with the opacity, 40 CFR 60.56c(c)(2) and (3), annual performance testing to demonstrate compliance with PM, CO, and HCl emission limits established in Condition D.1.3 shall be performed each year following the initial performance test conducted on March 27, 2002. by conducting an annual performance test (no more than 12 months following the previous performance test) using applicable procedures and test methods as approved by the Commissioner. If the first three performance tests over a 3-year period indicate compliance with the emission limit for a pollutant (PM, CO, or HCl), the Permittee may forego a performance test for that pollutant for the subsequent 2 years. At a minimum, a performance test for PM, CO, and HCl shall be conducted every third year (no more than 36 months following the previous performance test). If all three (3) performance tests over a three (3) consecutive year period indicate compliance with the emission limit for a pollutant (PM, CO, or HCL), the Permittee may forego a performance test for that pollutant for the subsequent two (2) years. At a minimum, a performance test for PM, CO, and HCl 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 HCl), the Permittee 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) -year consecutive year period indicate compliance with the emission limit. The use of the bypass stack during a performance test shall invalidate the performance test.~~

- (b) Pursuant to 40 CFR 60.56c(c)(1), the Permittee shall determine compliance with the opacity limit established in Condition D.1.3 by conducting an annual performance test (no more than twelve (12) months following the previous performance test).
- (bc) 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 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.

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

D.1.711 Monitoring [326 IAC 11-6-7] [40 CFR 60.38 37e] [40 CFR 60.57c]

Pursuant to 326 IAC 11-6-7(c), and 40 CFR 60, Subpart Ce, Section 60.38-37e, the Permittee shall:

- (a) ~~The Permittee shall~~ Install, calibrate to manufacturers' specifications, maintain, and operate devices (or establish methods) for monitoring the ~~maximum charge rate, maximum flue gas temperature, and minimum secondary chamber temperature such that these devices (or methods) measure these operating parameters on a continuous basis and record values for these operating parameters every hour for maximum charge rate and every minute for maximum flue gas temperature and minimum secondary chamber temperature at all times that the incinerator is in operation except during periods of startup and shutdown.~~ **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 a device or method for measuring the use of the bypass stack including date, time and duration.
- (c) ~~The Permittee shall~~ Obtain monitoring data at all times during ~~HMIWI~~ **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.1.5(f)(5).**

~~D.1.8 Visible Emissions Notations~~

- ~~(a) Visible emission notations of the medical waste incinerator (EU1) stack exhaust (S1) shall be performed once per day during normal daylight operations. 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 Requirement [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

~~D.1.9 12~~ Record Keeping Requirements

- (a) To document compliance with Conditions **D.1.8 3 and D.11**, the Permittee shall maintain records of visible emission notations of the incinerator stack exhaust (S1) once per day. **information on site for a period of at least five (5) years sufficient to establish compliance with 40 CFR 60.58c(b), based on the control equipment installed.**
- (b) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

~~D.1.10 Record Keeping Requirements [326 IAC 11-6-8][40 CFR 60, Subpart Cc~~

~~Pursuant to 326 IAC 11-6-8(a) and (b) and 40 CFR 60, Subpart Cc, Section 60.38e(a), the Permittee shall maintain the following information for a period of at least 5 years:~~

- ~~(a) Records and dates of the following data:~~
- ~~(1) Concentrations of any pollutant listed in 40 CFR 60.52c or measurements of opacity as determined by the continuous emission monitoring system (if applicable);~~
 - ~~(2) HMIWI charge dates, times, and weights and hourly charge rates;~~
 - ~~(3) Secondary chamber temperatures recorded during each minute of operation;~~
 - ~~(4) Records indicating use of the bypass stack, including dates, times, and durations;~~
 - ~~(5) For affected facilities complying 40 CFR 60.57c(c), the Permittee shall maintain all operating parameter data collected.~~
- ~~(b) Identification of calendar days for which data on emission rates or operating parameters specified under 40 CFR 60.58c(b)(2) (as applicable) have not been obtained, with an identification of the emission rates or operating parameters not measured, reasons for not obtaining the data, and a description of corrective actions taken.~~
- ~~(c) Identification of calendar days, times and durations of malfunctions, a description of the malfunction and the corrective action taken.~~
- ~~(d) Identification of calendar days for which data on emission rates or operating parameters specified under 40 CFR 60.58c(b)(2) (as applicable) exceeded the applicable limits, with a description of the exceedances, reasons for such exceedances, and a description of corrective actions taken.~~
- ~~(e) The results of the initial, annual, and any subsequent performance tests conducted to determine compliance with the emission limits and/or to establish operating parameters, as applicable.~~
- ~~(f) Records showing the names of HMIWI operators who have completed review of the information in 40 CFR 60.53c(h) as required by 40 CFR 60.53c(i), including the date of the initial review and all subsequent annual reviews.~~
- ~~(g) Records showing the names of the HMIWI operators who have completed the operator training requirements, including documentation of training and the dates of the training.~~
- ~~(h) Records showing the names of the HMIWI operators who have met the criteria for qualification under 40 CFR 60.53c and the dates of their qualification.~~
- ~~(i) Records of calibration of any monitoring devices as required under 40 CFR 60.57c (a), (b), and (c).~~

~~The Permittee shall maintain these records onsite in either paper copy or computer-readable format, unless an alternative format is approved by the Administrator.~~

D.1.143 Reporting Requirements

- ~~(a) Pursuant to 326 IAC 11-6-8(a) and (b), and 40 CFR 60, Subpart Cc, Section 60.38e(a), and 40 CFR 60.58c(c) the Permittee has submitted an annual report. The annual report shall include the following information: **the following information no later than 60 days following the initial performance test:**~~
- ~~(a) The values for the site specific operating parameters, as applicable;~~
 - ~~(b) The highest maximum operating parameter and the lowest operating parameter, as applicable, for the year being reported;~~

- ~~(c) The highest maximum operating parameter and the lowest operating parameter, as applicable, for the year preceding the year being reported;~~
- ~~(d) For the year being reported:~~
- ~~(1) Identification of calendar days for which data on emission rates or operating parameters specified under 40 CFR 60.58c(b)(2) (as applicable) have not been obtained, with an identification of the emission rates or operating parameters not measured, reasons for not obtaining the data, and a description of corrective actions taken.~~
- ~~(2) Identification of calendar days, times and durations of malfunctions, a description of the malfunction and the corrective action taken.~~
- ~~(3) Identification of calendar days for which data on emission rates or operating parameters specified under 40 CFR 60.58c(b)(2) (as applicable) exceeded the applicable limits, with a description of the exceedances, reasons for such exceedances, and a description of corrective actions taken.~~
- ~~(e) For the calendar year preceding the year being reported:~~
- ~~(1) Identification of calendar days for which data on emission rates or operating parameters specified under 40 CFR 60.58c(b)(2) (as applicable) have not been obtained, with an identification of the emission rates or operating parameters not measured, reasons for not obtaining the data, and a description of corrective actions taken.~~
- ~~(2) Identification of calendar days, times and durations of malfunctions, a description of the malfunction and the corrective action taken.~~
- ~~(3) Identification of calendar days for which data on emission rates or operating parameters specified under 40 CFR 60.58c(b)(2) (as applicable) exceeded the applicable limits, with a description of the exceedances, reasons for such exceedances, and a description of corrective actions taken.~~
- (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 60.58c(d), as of 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 next 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 duration 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)~~ (6) If a performance test was conducted during the reporting period, the results of that test;
- ~~(7)~~ (7) If no exceedances or malfunctions were reported for the calendar year being reported, a statement that no exceedances occurred during the reporting period;
- ~~(8)~~ (8) Any use of the bypass stack, the duration, reason for malfunction and corrective action taken;

The annual report shall be submitted to the addresses listed in Section C - General Reporting Requirements, of this permit within sixty (60) days after the end of the twelve (12) month period being reported. Reporting periods shall be based on the calendar annual period ending March 31. The report submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

Comment 2:

D.2.1 Particulate

Please correct the boilers' description by replacing "46 MMBtu/hr boilers (EU2 and EU3)" with "39 MMBtu/hr boilers (Boiler #1 and Boiler #2)".

Response to Comment 2:

Condition D.2.1 has been changed as follows:

D.2.1 Particulate [326 IAC 6-2-3]

Pursuant to 326 IAC 6-2-3 (d) (Particulate Emission Limitations for Sources of Indirect Heating: emission limitations for facilities specified in 326 IAC 6-2-1 (b)), ~~PM from the two (2) 46 MMBtu/hr boilers (EU2 and EU3)~~ **particulate emissions from the two (2) 39 MMBtu/hr boilers (Boiler #1 and Boiler #2)** used for indirect heating purposes which were existing and in operation on or before June 8, 1972, shall in no case exceed 0.8 pounds of particulate matter per million British thermal units heat input.

Comment 3:

D.2.2 Sulfur Dioxide

Please correct the boilers' description by replacing "46 MMBtu/hr boilers" with "39 MMBtu/hr boilers."

Response to Comment 3:

Condition D.2.2 has been changed as follows:

D.2.2 Sulfur Dioxide (SO₂) [326 IAC 7-1.1-1]

Pursuant to 326 IAC 7-1.1 (SO₂ Emissions Limitations), the SO₂ emissions from **each of** the two (2) ~~46~~ **39** MMBtu/hr boilers **using No. 2 fuel oil** shall not exceed five tenths (0.5) pounds per million Btu heat input **when using No. 2 fuel oil**. ~~Compliance shall be demonstrated on a~~

~~calendar month average.~~ **This equates to a fuel oil sulfur content limit of less than or equal to 0.5%.**

Comment 4:

D.2.4(b) Sulfur Dioxide Emissions and Sulfur Content

Please correct the boilers' description in paragraph (b) by replacing "*46 MMBtu/hr boilers*" with "*39 MMBtu/hr boilers.*"

Response to Comment 4:

Condition D.2.4(b) has been changed as follows:

D.2.4 Sulfur Dioxide Emissions and Sulfur Content [326 IAC 3-7-4]

Compliance shall be determined utilizing one of the following options.

- (a) Pursuant to 326 IAC 3-7-4, the Permittee shall demonstrate that the sulfur dioxide emissions do not exceed five-tenths (0.5) pounds per million Btu heat input by:
 - (1) Providing vendor analysis of fuel delivered, if accompanied by a vendor certification, or;
 - (2) Analyzing the oil sample to determine the sulfur content of the oil via the procedures in 40 CFR 60, Appendix A, Method 19.
 - (A) Oil samples may be collected from the fuel tank immediately after the fuel tank is filled and before any oil is combusted; and
 - (B) If a partially empty fuel tank is refilled, a new sample and analysis would be required upon filling.
- (b) Compliance may also be determined by conducting a stack test for sulfur dioxide emissions from the two (2) ~~46~~ **39** MMBtu/hr boilers, using 40 CFR 60, Appendix A, Method 6 in accordance with the procedures in 326 IAC 3-6.

A determination of noncompliance pursuant to any of the methods specified in (a) or (b) above shall not be refuted by evidence of compliance pursuant to the other method.

Comment 5:

D.2.5(a) Visible Emission Notations

Please correct the boilers' description in paragraph (a) by replacing "*46 MMBtu/hr boilers stack exhaust (S2)*" with "*39 MMBtu/hr boilers stack exhaust (Stack 2).*"

Response to Comment 5:

Condition D.2.5(a) has been changed as follows:

D.2.5 Visible Emissions Notations

- (a) Visible emission notations of the two (2) ~~46~~ **39** MMBtu/hr boilers stack exhaust (~~S2~~) (**Stack 2**) shall be performed once per day during normal daylight operations when combusting fuel oil. A trained employee shall record whether emissions are normal or abnormal.

* * *

Comment 6:

D.3 Facility Operation Conditions

Except for the Facility Description, this entire section was copied verbatim from the Good Samaritan permit and does not apply to Parkview. Parkview's five emergency generators are an insignificant activities, since they are each operated less than 500 hours per year. The minor source modification limit in MSM 083-22842-00027 and associated monitoring, record keeping and reporting requirements are not applicable to Parkview. This section should be replaced with the following conditions, which are taken from Parkview's old permit. The following conditions are still applicable, since the operation of the five emergency generators has not changed.

D.3.1 Operation Limit

Pursuant to the definition of emergency generators, operation of the five (5) emergency generators shall each be limited to 500 hours of operation annually.

D.3.2 Particulate Matter [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2, the allowable particulate matter emissions for any process not already regulated by 326 IAC 6-1 or any New Source Performance Standard, and which has a maximum process weight rate less than 100 pounds per hour shall not exceed 0.551 pounds per hour.

D.3.3 Record Keeping Requirements

- (a) *To document compliance with D.3.1, the Permittee shall maintain records of the following:*
 - (1) *The hours of operation of each emergency generator, and*
 - (2) *Records of annual fuel usage of each emergency generator.*
- (b) *All records shall be maintained in accordance with Section C - General Record Keeping Requirements of this Permit.*

Response to Comment 6:

The following changes have been made to Section D.3:

~~D.3.1 Minor Source Modification Limit [326 IAC 2-7-10.5(d)]~~

~~The four (4) generators shall each be limited to 1000 hours of operation per twelve (12) consecutive month period, with compliance determined at the end of each month. Any change or modification which increases usage above this limit shall receive approval from IDEM, OAQ before such change may occur. Compliance with this limit makes the modifications done under MSM 083-22842-00027 minor, pursuant to 326 IAC 2-7-10.5(d)(4)(B).~~

~~D.3.21 Particulate Matter [326 IAC 6-3-2]~~

~~Pursuant to 326 IAC 6-3-2, the allowable particulate matter emissions from any process which has a maximum process weight rate less than 100 pounds per hour shall not exceed 0.551 pounds per hour.~~

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

~~D.3.3 Monitoring Requirements~~

- ~~(a) The four (4) generators shall each be equipped with a meter which measures the total amount of operating time that the generator has been used. The number of hours used per calendar month shall be recorded at the end of each month for each generator.~~
- ~~(b) Compliance with Condition D.3.1 shall be calculated within 30 days of the end of each~~

~~month based on the generator usage for the twelve (12) consecutive month period.~~

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

D.3.42 Record Keeping Requirements

(a) To document compliance with Condition D.3.1, the Permittee shall maintain records of the **following**:

~~(1) Number of hours each generator is used per month and per twelve (12) consecutive month period;~~

~~(2)~~**(1) Records of the annual fuel usage of each emergency generator.**

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

~~D.3.5 Reporting Requirements~~

~~A quarterly summary of the information to document compliance with Condition D.3.1 shall be submitted to the addresses listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) calendar days after the end of the quarter being reported.~~

Comment 7:

The following comments are in regard to the Technical Support Document (TSD) and are identified by page number and paragraph.

Page 3 "Insignificant Activities (u)"

Please be advised that the three (3) #2 fuel oil underground tanks (Tanks 1, 2 and 3) described in paragraph (u) have all been replaced with three (3) new 20,000-gallon #2 fuel oil underground tanks (Tanks 1, 2 and 3) that were installed in October 2007.

Page 4 "(a) Incinerator Maximum Charge Rate"

To be consistent with the special condition in Section D.1.1 of the permit, please change "*the maximum charge rate is now 1000 pounds per hour*" to "*the maximum charge rate is now 500 pounds per hour.*"

Page 7 "Potential to Emit" Table

As described in the preceding paragraph, this table "summarizes the potential to emit, reflecting all limits, of the emission units." Based upon this statement, the permit limits should be taken into account when calculating the emissions in this table.

For example: The Medical Waste Incinerator and Total potential to emit values in column "(Other) (Pb, Be, Hg, etc.)" should be changed from "88.04" to "2.56". This revised value based upon the incinerator throughput limit of 500 pounds per hour in Section D.1.1 and the hydrogen chloride (HCl) limit of 93% reduction in Section D.1.3.

$$\begin{aligned} \text{HCl tons/yr} &= (\text{throughput tons/hr}) \times (8760 \text{ hrs/yr}) \times (\text{emission factor}) \times (1 - \text{control efficiency}/100\%) / (2000 \\ &\quad \text{lbs/ton}) \\ &= (0.25 \text{ tons/hr}) \times (8760 \text{ hrs/yr}) \times (33.5 \text{ lbs/ton}) \times (1 - 0.93) / (2000 \text{ lbs/ton}) \\ &= 2.56 \text{ tons/yr} \end{aligned}$$

Please make the above correction and any other appropriate corrections to this table.

Response to Comment 7:

IDEM, OAQ maintains the Technical Support Document without changes to serve as a historical document. However, the Addendum to the Technical Support Document serves as the revised TSD with any appropriate and necessary changes made to the permit. If the comments regarding the TSD result in a change in the permit, it will be documented in the Addendum to the Technical Support Document and the change will be made in the final permit.

Upon further review, IDEM OAQ has made the following change:

Operation Permit No.: T003-23731-00272	
Issued by: Nisha Sizemore, Chief Matthew Stuckey, Deputy Branch Chief Permits Branch Office of Air Quality	Issuance Date: Expiration Date:

**Indiana Department of Environmental Management
Office of Air Quality**

**Technical Support Document (TSD) for a Part 70 Operating Permit
Renewal**

Source Background and Description

Source Name:	Parkview Memorial Hospital
Source Location:	2200 Randallia Drive, Fort Wayne, Indiana 46805
County:	Allen
SIC Code:	8062
Operation Permit No.:	T 003-11993-00272
Operation Permit Issuance Date:	July 11, 2002
Permit Renewal No.:	003-23731-00272
Permit Reviewer:	Edward Judson/Anne-Marie C. Hart

The Office of Air Quality (OAQ) has reviewed a Part 70 permit renewal application from Parkview Memorial Hospital relating to the operation of a medical waste incinerator and two (2) boilers at a general medical hospital.

History

On August 26, 2002, Parkview Memorial Hospital submitted an application to the OAQ requesting to revise the descriptions for two (2) natural gas fired turbine generators that are identified as emergency generators under the insignificant activities section of the Part 70 permit. These units were incorrectly identified as emergency generators in the Part 70 permit application submitted by Parkview Memorial Hospital to the OAQ on March 9, 2000. As stated in the source modification T003-11993-00272 application, these units are used to power the hospital's air conditioning system. They are essential components to the daily operation of the hospital's HVAC system and operate automatically and regularly during periods of peak cooling demand. By increasing the maximum hours of operation for each of these engines, the increase in potential NOx emissions is greater than 25 tons per year and subsequently qualifying Parkview Memorial Hospital as a Part 70 Source. Parkview Memorial Hospital was issued a Part 70 permit on July 11, 2002 (T003-11993-00272).

The revised facility description for the two (2) natural gas-fired reciprocating engines is as follows:

- (a) Two (2) natural gas-fired reciprocating engines, each with a maximum rating of 450 horsepower (HP), used to provide power to two (2) chillers which are part of the air conditioning system.

On October 3, 2006, Parkview Memorial Hospital submitted an application to the OAQ requesting to renew its Title V operating permit.

Permitted Emission Units and Pollution Control Equipment

The source consists of the following permitted facilities/units:

- (a) One (1) medical waste incinerator, identified as INC, installed in 1984, firing natural gas as supplementary fuel, with a maximum charge rate of 1200 pounds of medical waste per

hour, rated at 4.0 million British thermal units (MMBtu) per hour, and exhausting to Stack 1.

- (b) Two (2) natural gas fired boilers, firing No. 2 distillate fuel oil as backup, identified as Boiler #1 and Boiler #2, installed in 1971, each rated at 39 MMBtu per hour, and each exhausting to Stack 2.
- (c) Two (2) natural gas-fired reciprocating engines, each with a maximum rating of 450 horsepower (HP), installed in 1984, used to provide power to two (2) chillers which are part of the air conditioning system.

Emission Units and Pollution Control Equipment Constructed and/or Operated without a Permit

There are no unpermitted facilities operating at this source during this review process.

Emission Units and Pollution Control Equipment Removed From the Source

- (a) The following insignificant activity as listed in Part 70 Operating Permit (T003-11993-00272):
 - (1) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6.

Insignificant Activities

The source also consists of the following insignificant activities, as defined in 326 IAC 2-7-1(21):

- (a) Combustion source flame safety purging on startup.
- (b) A gasoline fuel transfer and dispensing operation handling less than or equal to 1,300 gallons per day, such as filling of tanks, locomotives, automobiles, having a storage capacity less than or equal to 10,500 gallons.
- (c) 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 per month.
 - (1) One (1) jet fuel A storage tank, identified as Tank 6, installed in 1992, with a maximum capacity of 10,000 gallons;
- (d) Storage tanks with capacity less than or equal to 1,000 gallons and annual throughput less than 12,000 gallons.
 - (1) One (1) gasoline storage tank, identified as Tank 4, installed in June 1994, with a maximum capacity of 1,000 gallons;
 - (2) One (1) diesel fuel storage tank, identified as Tank 5, installed in June 1994, with a maximum capacity of 500 gallons;
 - (3) Two (2) #2 fuel oil storage tanks, identified as Tanks 7 and 8, installed in 2000, each with a maximum capacity of 300 gallons.
- (e) Machining where an aqueous cutting coolant continuously floods the machining interface;

- (f) Closed loop heating and cooling systems.
- (g) Forced and induced draft cooling tower system not regulated under a NESHAP.
- (h) Heat exchanger cleaning and repair.
- (i) Process vessel degassing and cleaning to prepare for internal repairs.
- (j) Paved roads and parking lots with public access. [326 IAC 6-4]
- (k) Asbestos abatement projects regulated by 326 IAC 14-10.
- (l) Purging of gas lines and vessels that is related to routine maintenance and repair of buildings, structures, or vehicles at the source where air emissions from those activities would not be associated with any production process.
- (m) Equipment used to collect any material that might be released during a malfunction, process upset, or spill cleanup, including catch tanks, temporary liquid separators, tanks, and fluid handling equipment.
- (n) Blowdown for any of the following: sight glass; boiler; compressors; pumps; and cooling tower.
- (o) On-site fire and emergency response training approved by the department.
- (p) Emergency generators as follows:
 - (1) Emergency diesel generators not exceeding 1600 horsepower.
 - A) Three (3) emergency generators at 835 HP;
 - B) One (1) emergency generator at 1310 HP;
 - C) One (1) emergency generator at 1325 HP;
- (q) Grinding and machining operations controlled with fabric filters, scrubbers, mist collectors, wet collectors and electrostatic precipitators with a design grain loading of less than or equal to 0.03 grains per actual cubic foot and a gas flow rate less than or equal to 4000 actual cubic feet per minute, including the following: deburring; buffing; polishing; abrasive blasting; pneumatic conveying; and woodworking operations [326 IAC 6-3-2].
- (r) Purge double block and bleed valves.
- (s) Filter or coalescer media changeout.
- (t) A laboratory as defined in 326 IAC 2-7-1(21)(D).
- (u) Other activities or categories not previously identified:
 - (1) Two (2) #2 fuel oil underground storage tanks, identified as Tanks 1 and 2, installed in 1971, each with a maximum capacity of 20,000 gallons;
 - (2) One (1) #2 fuel oil underground storage tank, identified as Tank 3, installed in 1971, with a maximum capacity of 25,000 gallons.

Existing Approvals

Since the issuance of the Part 70 Operating Permit T003-11993-00272 on July 11, 2002, the source has constructed or has been operating under the following approvals as well:

- (a) First Significant Source Modification No. 003-16012-00272 issued on November 25, 2002; and
- (b) First Significant Permit Modification No. 003-16126-00272 issued on December 12, 2002.

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 following terms and conditions from previous approvals have been revised in this Part 70 Operating Permit Renewal:

- (a) Incinerator Maximum Charge Rate

The maximum charge rate for the medical waste incinerator in T003-11993-00272 was 1200 pounds of medical waste per hour. Because of hospital efficiencies, the maximum charge rate is now 1000 pounds per hour. This is not associated with an equipment modification.

- (b) Engine description

The First Significant Permit Modification (003-16126-00272) issued December 12, 2002, changed the description of the two (2) existing natural gas fired reciprocating engines so they are no longer considered emergency generators and removed the operating hour limit on these units.

The following terms and conditions from previous approvals have been determined no longer applicable; therefore, were not incorporated into this Part 70 Operating Permit Renewal:

- (a) All construction conditions from all previously issued permits.

Reason not incorporated: All facilities previously permitted have already been constructed; therefore, the construction conditions are no longer necessary as part of the operating permit. Any facilities that were previously permitted but have not yet been constructed would need new pre-construction approval before beginning construction.

- (b) Conditions associated with 326 IAC 8-3 (Organic Solvent Degreasing Operations).

Reason not incorporated: the degreasing operation listed in the initial Part 70 Operating Permit (T003-11993-00272) have been removed from the source as of this renewal.

Enforcement Issue

There are no enforcement actions pending.

Stack Summary

Stack ID	Operation	Height (feet)	Diameter (feet)	Flow Rate (acfm)	Temperature (°F)
1	Incinerator/ Wet Scrubber	40	1.6	7,500	95

Stack ID	Operation	Height (feet)	Diameter (feet)	Flow Rate (acfm)	Temperature (°F)
2	Boilers #1 and #2	78.75	5.0	12,600	300

Emission Calculations

See Appendix A of this document for detailed emission calculations (Pages 1 through 3).

County Attainment Status

The source is located in Allen County

Pollutant	Status
PM ₁₀	attainment
PM _{2.5}	attainment
SO ₂	attainment
NOx	attainment
8-hour Ozone	attainment
CO	attainment
Lead	attainment

Note: On September 6, 2007, the Indiana Air Pollution Control Board finalized a temporary emergency rule to redesignate Allen, Clark, Elkhart, Floyd, LaPorte, St. Joseph as attainment for the 8-hour ozone standard.

- (a) Allen County has been classified as unclassifiable or attainment for PM2.5. 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 PM2.5 emissions, it has directed states to regulate PM10 emissions as a surrogate for PM2.5 emissions. See the State Rule Applicability – Entire Source section.
- (b) Volatile organic compounds (VOC) and Nitrogen Oxides (NOx) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC emissions and NOx emissions are considered when evaluating the rule applicability relating to ozone standards. Allen County has been designated as nonattainment for the 8-hour ozone standard. Therefore, VOC and NOx emissions were reviewed pursuant to the requirements for Emission Offset, 326 IAC 2-3. See the State Rule Applicability – Entire Source section.
- (c) 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 applicability.

Unrestricted Potential Emissions

This table reflects the unrestricted potential emissions of the source.

Pollutant	tons/year
PM	18.79
PM-10	18.23

Pollutant	tons/year
SO ₂	112.80
VOC	3.70
CO	43.99
NO _x	0

HAPs	tons/year
Hydrogen Chloride	88.04
Other HAPS	1.84
Total	89.88

- (a) The potential to emit (as defined in 326 IAC 2-7-1(29)) of SO₂ is equal to or greater than 100 tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-7.
- (b) The potential to emit (as defined in 326 IAC 2-7-1(29)) of all other criteria pollutants are less than 100 tons per year.
- (c) The potential to emit (as defined in 326 IAC 2-7-1(29)) of any single HAP (HCL) is equal to or greater than ten (10) tons per year and/or the potential to emit (as defined in 326 IAC 2-7-1(29)) of a combination of HAPs is equal to or greater than twenty-five (25) tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-7.

Fugitive Emissions

Since this type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-7, fugitive emissions are not counted toward the determination of Part 70 applicability.

Actual Emissions

The following table shows the actual emissions from the source. This information reflects the actual emissions for 2003.

Pollutant	Actual Emissions (tons/year)
PM	0
PM-10	0
SO ₂	0
VOC	2
CO	5
NO _x	9
Hydrogen Chloride	Not reported

Part 70 Permit Conditions

This source is subject to the requirements of 326 IAC 2-7, pursuant to which the source has to meet the following:

- (a) Emission limitations and standards, including those operational requirements and limitations that assure compliance with all applicable requirements at the time of issuance of Part 70 permits.
- (b) Monitoring and related record keeping requirements which assume that all reasonable information is provided to evaluate continuous compliance with the applicable requirements.

The table below summarizes the potential to emit, reflecting all limits, of the emission units. Any control equipment is considered federally enforceable only after issuance of this Part 70 permit renewal, 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	PM10	SO ₂	VOC	CO	NO _x	(Other) (Pb, Be, Hg, etc.)
Medical Waste Incinerator	3.89	3.89	0.07	0.37	7.75	9.36	88.04
Two (2) boilers	4.88	4.88	103.96	1.88	28.70	48.81	0.00
Emergency Generators	0.94	0.94	3.14	0.92	7.54	32.68	0.00
Insignificant Activities	0.70	0.14	0.00	0.12	0.00	0.00	0.00
Total	10.41	9.85	107.17	3.28	43.99	90.85	88.04
Major Source Threshold	250	250	250	100	250	250	10

- (a) This existing stationary source is not major for PSD because each of the emissions of criteria pollutant are less than two hundred fifty (< 250) tons per year, and it is not one of the twenty-eight (28) listed source categories.
- (b) 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, fugitive emissions are not counted toward the determination of PSD and Emission Offset applicability.

Federal Rule Applicability

The following federal rules are applicable to the source:

- (a) This Part 70 permit renewal 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.
- (b) The one (1) medical waste incinerator, identified as INC, is subject to the New Source Performance Standard, 326 IAC 12, (40 CFR 60.30e, Subpart Ce). The one (1) medical

waste incinerator, identified as INC, shall comply with the following emission limits:

- (1) Particulate Matter emissions shall not exceed 0.03 grains per dry standard cubic foot for medium Hospital/Medical/Infectious Waste Incinerators, pursuant to Table 1 to Subpart Ce. The incinerator is classified as large pursuant to 40 CFR 60.51c because it has a maximum design waste burning capacity greater than five hundred (500) pounds per hour.
- (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).

The provisions of 40 CFR 60 Subpart A - General Provisions, which are incorporated as 326 IAC 12-1, apply to the one (1) Medical Waste Incinerator, identified as INC, except when otherwise specified in 40 CFR 60 Subpart Ce.

- (c) The one (1) Medical Waste Incinerator, identified as INC, is not subject to the requirements of the New Source Performance Standard, 326 IAC 12, (40 CFR Part 60.50c), Subpart Ec, because the incinerator was constructed prior to June 20, 1996.
- (d) The two (2) boilers, identified as Boiler #1 and Boiler #2, are not subject to the New Source Performance Standard, 326 IAC 12, (40 CFR Part 60.40c), Subpart Dc, because each boiler was constructed prior to June 9, 1989.
- (e) The two (2) boilers, identified as Boiler #1 and Boiler #2, are not subject to the New Source Performance Standard, 326 IAC 12, (40 CFR Part 60.40c), Subparts D, Da or Db, because each boiler is rated at less than one hundred (100) million British thermal units per hour (MMBtu).
- (f) The three (3) fuel storage tanks, identified as Tank 1, Tank 2, and Tank 3, are not subject to the New Source Performance Standard, 326 IAC 12, (40 CFR Part 60.110, 60.110a or 60.110b), Subpart K, Ka or Kb, because each tank was constructed prior to June 11, 1973.

- (g) The five (5) fuel storage tanks, identified as Tank 4, Tank 5, Tank 6, Tank 7 and Tank 8, are not subject to the New Source Performance Standard, 326 IAC 12, (40 CFR Part 60110, 60.110a or 60.110b), Subpart K, Ka or Kb, because each tank has a capacity less than forty (40) cubic meters, equivalent to 10,568 gallons.
- (h) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs)(326 IAC 14 and 40 CFR Part 63) applicable to this source.
- (i) There are no halogenated solvents used in the degreasing operations. Therefore, this source is not subject to the requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs), Part 63, Subpart T.

State Rule Applicability - Entire Source

326 IAC 2-2 (Prevention of Significant Deterioration)

This source is not subject to the requirements of 326 IAC 2-2 (PSD) because the potential emissions of all regulated pollutants is less than 250 tons per year and it is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2.

326 IAC 2-6 (Emission Reporting)

This source is subject to 326 IAC 2-6 (Emission Reporting), because it has the potential to emit more than one hundred (100) tons per year of SO₂. Pursuant to this rule, the owner/operator of the source must triennially submit an emission statement for the source. The annual statement must be received by July 1 of each year and contain the minimum requirement as specified in 326 IAC 2-6-4. The submittal should cover the period defined in 326 IAC 2-6-2(8)(Emission Statement Operating Year).

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 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%) 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.

State Rule Applicability – Individual Facilities

326 IAC 2-4.1-1 (New Source Toxics Control)

The one (1) medical waste incinerator, identified as INC, is not subject to the requirements of 326 IAC 2-4.1-1, New Source Toxics Control, because it was constructed prior to July 27, 1997.
326 IAC 4-2-2 (Incinerators)

Pursuant to 326 IAC 4-2-2, the one (1) Hospital Medical Infectious Waste Incinerator, identified as INC, with a maximum charge rate of 1200 pounds of medical waste per hour shall:

- (1) Consist of primary and secondary chambers or the equivalent;
- (2) be equipped with a primary burner unless burning wood products;

- (3) comply with 326 IAC 5-1 and 326 IAC 2;
- (4) be maintained properly as specified by the manufacturer and approved by the commissioner;
- (5) be operated according to the manufacturer's recommendations and only burn waste approved by the commissioner;
- (6) comply with other state and/or local rules or ordinances regarding installation and operation of incinerators;
- (7) 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;
- (8) not emit particulate matter in excess of five-tenths (0.3) 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

If any of the above result, the burning shall be terminated immediately.

The incinerator, with wet scrubber control, has a maximum exhaust rate of 0.0187 pounds of PM per 1,000 pounds of dry exhaust gas, corrected to fifty percent (50%) excess air. Therefore, the incinerator, with wet scrubber control, is in compliance with this rule.

326 IAC 6-2-3 (Particulate Emission Limitations for Facilities Constructed prior to September 21, 1983)

The two (2) boilers, identified as Boiler #1 and Boiler #2, each constructed in 1971, with a total heat input capacity of 78.0 million British thermal units per hour, must comply with the PM emission limitation of 326 IAC 6-2-3. This limitation is based on the following equation given in 326 IAC 6-2-3:

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

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, which-ever 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 two (2) boilers:

$$Pt = 50 \times 0.67 \times 78.75 / 76.5 \times (78.0)^{0.75} \times 1^{0.25} = 1.31 \text{ lb/MMBtu}$$

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 two (2) boilers are limited to emissions of 0.8 pounds per million British thermal units.

Based on Appendix A, the total potential to emit of PM from the two (2) boilers is 4.88 tons per year.

$$4.88 \text{ tons/yr} \times (2000 \text{ lbs/ton} / 8760 \text{ hrs/yr}) = 1.11 \text{ lbs/hr}$$

$$(1.11 \text{ lbs/hr} / 78.0 \text{ MMBtu/hr}) = 0.014 \text{ lbs PM per MMBtu}$$

Therefore, the two (2) boilers, identified as Boiler #1 and Boiler #2, will comply with this rule.

326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes)

Pursuant to 326 IAC 6-3-2(e)(2), the allowable particulate matter emissions rate from any process not already regulated by 326 IAC 6-3-2(b) through (d) or any New Source Performance Standard, and which has a maximum process weight rate less than 100 pounds per hour shall not exceed 0.551 pounds per hour. The grinding and machining operations listed in the insignificant activities section shall be subject to this limit.

326 IAC 7-1.1 (Sulfur Dioxide Emission Limitations)

The two (2) natural gas-fired boilers using No. 2 fuel oil as back-up fuel are subject to 326 IAC 7-1.1 (Sulfur Dioxide Emission Limitations). Pursuant to 326 IAC 7-1.1-2, sulfur dioxide emissions from the two (2) boilers using No. 2 fuel oil shall be limited to 0.5 pounds per million BTU heat input when using No. 2 fuel oil. This equates to a fuel oil sulfur content limit of 0.5%.

326 IAC 7-2-1 (Sulfur Dioxide Reporting Requirements)

This source is subject to 326 IAC 7-2-1 (Reporting Requirements). This rule requires the source to submit to the Office of Air Quality upon request records of sulfur content, heat content, fuel consumption, and sulfur dioxide emission rates based on a calendar-month average.

326 IAC 9-1-2 (Carbon Monoxide Emissions)

No person shall cause or allow the discharge of carbon monoxide from refuse incineration or burning equipment, unless the waste gas stream is burned in a direct-flame afterburner or is controlled by other means approved by the commissioner. This source complies with this rule with the use of a multiple chamber incinerator with afterburners.

326 IAC 11-6 (Hospital/Medical/Infectious Waste Incinerator)

- (a) The medical waste incinerator, identified as INC, is subject to 326 IAC 11-6 and 40 CFR 60, Subpart Ce, New Source Performance Standard (NSPS) with a compliance date of one year after the effective date of the rule, unless the facility is undergoing retrofit to come into compliance where compliance is required no later than March 31, 2002.
- (b) Pursuant to 326 IAC 11-6-9, the source shall install the 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:
 - (1) Submit a final control plan no later than June 30, 1999 (This source submitted a final control plan on June 23, 1999);

- (2) 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 (This source issued a purchase order in March, 2000);
 - (3) Initiate on-site construction or installation of emission control equipment or process change no later than March 31, 2001 (This source initiated on-site construction in April 2001);
 - (4) Complete on-site construction or installation of emission control equipment or process change no later than September 30, 2001 (As of November 29, 2001, the source states it has some wiring and mechanical to be completed. Building and emission control equipment is in place);
 - (5) Be in final compliance no later than March 31, 2002; and
 - (6) The source shall be in compliance with the operator training and qualification requirements by March 11, 2000 (This source certified one operator February 12, 2000, the remainder of the operators were certified April 12, 2000. All operators were re-certified in April 2001).
- (c) Pursuant to 326 IAC 11-6-4 and 40 CFR 60, Subpart Ce, the medical waste incinerator shall comply with the following emission limits:
- (1) Particulate Matter emissions shall not exceed 0.03 grains per dry standard cubic foot for medium 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.
 - (10) Discharge into the atmosphere of any gases shall not exceed ten percent (10%) opacity.
- (d) Pursuant to 326 IAC 11-6-5 and 40 CFR 60, Subpart Ce NSPS, the medical waste incinerator shall not operate at any time unless a fully trained and qualified Hospital/Medical/Infectious Waste Incinerator (HMIWI) 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 HMIWI operator shall be conducted within six (6) months after the effective date of this rule or prior to assumption of responsibilities affecting

HMIWI operation, whichever date is later, and annually, thereafter:

- (1) Summary of the applicable standards;
- (2) Description of basic combustion theory applicable to an HMIWI;
- (3) Procedures for receiving, handling, and charging waste;
- (4) HMIWI startup, shutdown and malfunction procedures;
- (5) Procedures for maintaining proper combustion air supply levels;
- (6) Procedures for operating the HMIWI and associated air pollution control systems;
- (7) Procedures for responding to periodic malfunction or conditions that may lead to malfunction;
- (8) Procedures for monitoring HMIWI emissions;
- (9) Reporting and Recordkeeping;
- (10) Procedures for handling ash.

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

Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 11-6-7] [40 CFR 60.37e]

- (a) Pursuant to 326 IAC 11-6-7(a), and 40 CFR 60, Subpart Ce, Section 60.37, the Permittee shall determine compliance with the opacity, PM, CO, and HCl emission limits by conducting an annual performance test (no more than 12 months following the previous performance test) using applicable procedures and test methods as approved by the Commissioner. If the first three performance tests over a 3-year period indicate compliance with the emission limit for a pollutant (PM, CO, or HCl), the Permittee may forego a performance test for that pollutant for the subsequent 2 years. At a minimum, a performance test for PM, CO, and HCl shall be conducted every third year (no more than 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 HCl), the Permittee may forego a performance test for that pollutant for an additional 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 3-year period indicate compliance with the emission limit. The use of the bypass stack during a performance test shall invalidate the performance test.
- (b) 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.

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

Monitoring [326 IAC 11-6-7] [40 CFR 60.38e] [40 CFR 60.57c]

Pursuant to 326 IAC 11-6-7(c), and 40 CFR 60, Subpart Ce, Section 60.38e, the Permittee shall:

- (a) The Permittee shall install, calibrate to manufacturers' specifications, maintain, and operate devices (or establish methods) for monitoring the maximum charge rate, maximum flue gas temperature, and minimum secondary chamber temperature such that these devices (or methods) measure these operating parameters on a continuous basis and record values for these operating parameters every hour for maximum charge rate and every minute for maximum flue gas temperature and minimum secondary chamber temperature at all times that the incinerator is in operation except during periods of startup and shutdown.
- (b) The Permittee shall install, calibrate to manufacturers' specifications, maintain, and operate a device or method for measuring the use of the bypass stack including date, time, and duration.
- (c) The Permittee shall obtain monitoring data at all times during HMIWI 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) Visible emission notations of the two (2) 46 MMBtu/hr boilers stack exhaust (S2) shall be performed once per day during normal daylight operations when combusting No. 2 fuel oil. A trained employee shall record whether emissions are normal or abnormal.
- (e) 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.
- (f) 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.
- (g) 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.
- (h) 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.

Recommendation

The staff recommends to the Commissioner that the Part 70 Operating Permit Renewal 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 and additional information submitted by the applicant.

An application for the purposes of this review was received on October 5, 2006.

Conclusion

The operation of this stationary hospital source consisting of a medical waste incinerator and two (2) natural gas fired boilers shall be subject to the conditions of the attached Part 70 Operating Permit No. 003-23731-00272.

Appendix A: Emissions Calculations
Commercial/Institutional/Residential Combustors (< 100 mmBtu/hr)
#1 and #2 Fuel Oil

Company Name: Parkview Memorial Hospital
Address, City IN Zip: 2200 Randallia Drive, Fort Wayne, Indiana, 46805
Permit Number: T003-23731-00272
Plt ID: 003-00272
Reviewer: Edward Judson
Date: August 20, 2007

Heat Input Capacity
MMBtu/hr

78

Potential Throughput
kgals/year

4880.571429

S = Weight % Sulfur

0.3

Emission Factor in lb/kgal	Pollutant				
	PM*	SO2	NOx	VOC	CO
Potential Emission in tons/yr	2.0	42.6 (142.0S)	20.0	0.34	5.0
	4.9	104.0	48.8	0.8	12.2

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

See page 2 for HAPs emission calculations.

Appendix A: Emissions Calculations
Commercial/Institutional/Residential Combustors (< 100 mmBtu/hr)
#1 and #2 Fuel Oil
HAPs Emissions

Company Name: Parkview Memorial Hospital
Address, City IN Zip: 2200 Randallia Drive, Fort Wayne, Indiana 46805
Permit Number: T003-23731-00272
Plt ID: 003-00272
Reviewer: Edward Judson
Date: August 20, 2007

HAPs - Metals					
Emission Factor in lb/mmBtu	Arsenic 4.0E-06	Beryllium 3.0E-06	Cadmium 3.0E-06	Chromium 3.0E-06	Lead 9.0E-06
Potential Emission in tons/yr	1.37E-03	1.02E-03	1.02E-03	1.02E-03	3.07E-03

HAPs - Metals (continued)				
Emission Factor in lb/mmBtu	Mercury 3.0E-06	Manganese 6.0E-06	Nickel 3.0E-06	Selenium 1.5E-05
Potential Emission in tons/yr	1.02E-03	2.05E-03	1.02E-03	5.12E-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

Incinerator

Company Name: Parkview Memorial Hospital
Address City IN Zip: 2200 Randallia Drive, Fort Wayne, Indiana, 46805
Permit Number: T003-23731-00272
Pit ID: 003-00272
Reviewer: Edward Judson
Date: August 20, 2007

THROUGHPUT lbs/hr 1200

THROUGHPUT ton/yr 5256

	POLLUTANT											
	PM	SO2	CO	VOC	NOX	HCl	PCB	Hap Metals	HFI	Cl	CDF	CDD
Emission Factor in lb/ton	7.0	2.5	10.0	3.0	3.6	33.5	4.75E-05	0.2	0.149	0.105	7.20E-05	2.10E-05
Potential Emissions in ton/yr	18.4	6.6	26.3	7.9	9.4	88.0	1.25E-04	5.26E-01	3.92E-01	2.76E-01	1.89E-04	5.52E-05

Methodology

Emission factors are from AP 42 (5th Edition 1/95) Table 2.1-12, Uncontrolled emission factors for industrial/commercial refuse combustors, multiple chambers

Throughput (lb/hr) * 8760 hr/yr * ton/2000 lb = throughput (ton/yr)