



# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

*We Protect Hoosiers and Our Environment.*

*Mitchell E. Daniels Jr.*  
**Governor**

*Thomas W. Easterly*  
**Commissioner**

100 North Senate Avenue  
Indianapolis, Indiana 46204  
(317) 232-8603  
Toll Free (800) 451-6027  
[www.idem.IN.gov](http://www.idem.IN.gov)

TO: Interested Parties / Applicant

DATE: August 5, 2011

RE: CWA Authority, Inc., Belmont Advanced Wastewater Treatment Plant / 097-30734-00032

FROM: Matthew Stuckey, Branch Chief  
Permits Branch  
Office of Air Quality

## Notice of Decision – Approval

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 326 IAC 2, this approval was effective immediately upon submittal of the application.

If you wish to challenge this decision, IC 4-21.5-3-7 requires 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, **within eighteen (18) calendar days from the mailing of this notice**. 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.

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.

Enclosures  
FNPER-AM.dot12/3/07



# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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August 5, 2011

Ms. Ann W. McIver  
CWA Authority, Inc.  
2020 N. Meridian Street  
Indianapolis, IN 46202

Re: 097-30734-00032  
Administrative Amendment to  
Part 70 Renewal No.: T 097-26253-00032

Dear Ms. McIver:

The City of Indianapolis, Department of Public Works, Belmont AWT issued a Part 70 Operating Permit Renewal on January 20, 2009, for a stationary municipal wastewater treatment plant, with sludge incinerators. A letter requesting changes to this permit was received on July 22, 2011. Pursuant to the provisions of 326 IAC 2-7-11, an administrative permit amendment to this permit is hereby approved as described below.

The source requested that the permit be updated to change the name of the source resulting from a transfer of ownership from The City of Indianapolis, Department of Public Works to CWA Authority, Inc.

**Change No. 1** IDEM has changed the name of the company and removed the mailing address from Condition A.1 and the reporting forms.

**A.1** General Information [326 IAC 2-7-4(c)] [326 IAC 2-7-5(15)] [326 IAC 2-7-1(22)]

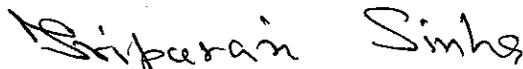
The Permittee owns and operates a stationary municipal wastewater treatment plant, with sludge incinerators.

Source Address:	2700 South Belmont Ave, Indianapolis, IN 46221
Mailing Address:	<del>2700 South Belmont Ave, Indianapolis, IN 46224</del>
SIC Code:	4952
County Location:	Marion
Source Location Status:	Nonattainment for PM2.5 standard Attainment for all other criteria pollutants
Source Status:	Part 70 Operating Permit Program Major Source, under PSD Rules Minor Source, under Non attainment NSR Minor Source, Section 112 of the Clean Air Act Not 1 of 28 Source Categories

All other conditions of the permit shall remain unchanged and in effect. A copy of this permit is available on the Internet at: [www.in.gov/ai/appfiles/idem-caats/](http://www.in.gov/ai/appfiles/idem-caats/).

This decision is subject to the Indiana Administrative Orders and Procedures Act – IC 4-21.5-3-5. If you have any questions on this matter, please contact Heather Parsons, OAQ, 100 North Senate Avenue, Room 1003, Indianapolis, Indiana, 46204-2251, or call at (800) 451-6027, and ask for Heather Parsons or extension (3-9664), or dial (317) 233-9664.

Sincerely,



Tripuran P. Sinha, Ph. D., Section Chief  
Permits Branch  
Office of Air Quality

Attachments:  
Updated Permit,

hp

cc: File – Marion County  
Marion County Health Department  
U.S. EPA, Region V  
Indianapolis Office  
Compliance and Enforcement Branch



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## Part 70 Operating Permit Renewal OFFICE OF AIR QUALITY

**CWA Authority, Inc., Belmont Advanced Wastewater Treatment Plant  
2700 South Belmont Avenue  
Indianapolis, Indiana 46221**

(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.: T097-26253-00032	
Issued by:	Issuance Date:
Tripurari P. Sinha, Ph. D., Section Chief Permits Branch Office of Air Quality	January 20, 2009
	Expiration Date: January 20, 2014

First Administrative Amendment No.: 097-30734-00032	
Issued by:	Issuance Date:
<i>Tripurari Sinha</i> Tripurari P. Sinha, Ph. D., Section Chief Permits Branch Office of Air Quality	August 5, 2011
	Expiration Date: January 20, 2014

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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.5 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 municipal wastewater treatment plant, with sludge incinerators.

Source Address:	2700 South Belmont Avenue, Indianapolis, Indiana 46221
General Source Phone Number:	317-327-4083
SIC Code:	4952
County Location:	Marion
Source Location Status:	Nonattainment for PM2.5 standard Attainment for all other criteria pollutants
Source Status:	Part 70 Operating Permit Program Major Source, under PSD Rules Minor Source, under Non attainment NSR Minor 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)]

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

- (a) A Nichols multiple hearth wastewater treatment sludge incinerator, constructed in 1970, identified as I1, with a maximum sludge burning capacity of 2.6 dry tons/hr. Nine natural gas/No.2 fuel oil-fired auxiliary fuel burners also included as I1 with a capacity of 22.5 million BTU/hr total. Particulate and sulfur dioxide emissions are controlled by a Swemco venturi and tray impingement scrubber. Incinerator, I1, exhausts to stacks No. 01 or No. 02.
- (b) A Nichols multiple hearth wastewater treatment sludge incinerator, constructed in 1970 and rehabilitated in 2003, identified as I2, with a maximum sludge burning capacity of 2.6 dry tons/hr. Nine natural gas-fired auxiliary fuel low NOx burners also included as I2 with a capacity of 22.5 million BTU/hr total. Particulate and sulfur dioxide emissions are controlled by a Swemco venturi and tray impingement scrubber. Incinerator, I2, exhausts to stacks No. 01 or No. 03.
- (c) A Nichols multiple hearth wastewater treatment sludge incinerator, constructed in 1970, identified as I3, with a maximum sludge burning capacity of 2.6 dry tons/hr. Nine natural gas/No.2 fuel oil-fired auxiliary fuel burners also included as I3 with a capacity of 22.5 million BTU/hr total. Particulate and sulfur dioxide emissions are controlled by a Swemco venturi and tray impingement scrubber. Incinerator, I3, exhausts to stacks No. 01 or No. 04.
- (d) A Nichols multiple hearth wastewater treatment sludge incinerator, constructed in 1970, identified as I4, with a maximum sludge burning capacity of 2.6 dry tons/hr. Nine natural gas/No.2 fuel oil-fired auxiliary fuel burners also included as I4 with a capacity of 22.5

million BTU/hr total. Particulate and sulfur dioxide emissions are controlled by a Venturi-Pak scrubber. Incinerator, I4, exhausts to stacks No. 01 or No. 05.

- (e) A Nichols multiple hearth wastewater treatment sludge incinerator, constructed in 1954, identified as I5, with a maximum sludge burning capacity of 2.0 dry tons/hr. Six natural gas/No.2 fuel oil-fired auxiliary fuel burners also included as I5 with a capacity of 15 million BTU/hr total. Particulate and sulfur dioxide emissions are controlled by a Sly Mfg. tray and a Sly Mfg. venturi scrubber in series, which are common controls between I5 and I6. Incinerator, I5, exhausts to stack No. 06 which is a common stack with I6.
- (f) A Nichols multiple hearth wastewater treatment sludge incinerator, constructed in 1954, identified as I6, with a maximum sludge burning capacity of 2.0 dry tons/hr. Six natural gas/No.2 fuel oil-fired auxiliary fuel burners also included as I6 with a capacity of 15 million BTU/hr total. Particulate and sulfur dioxide controlled by a Sly Mfg. tray and a Sly Mfg. venturi scrubber in series, which are common controls between I6 and I5. Incinerator, I6, exhausts to stack No. 06 which is a common stack with I5.
- (g) A Nichols multiple hearth wastewater treatment sludge incinerator, constructed in 1954, identified as I7, with a maximum sludge burning capacity of 2.0 dry tons/hr. Six natural gas/No.2 fuel oil-fired auxiliary fuel burners also included as I7 with a capacity of 15 million BTU/hr total. Particulate and sulfur dioxide controlled by a Sly Mfg. tray and a Sly Mfg. venturi scrubber in series, which are common controls between I7 and I8. Incinerator, I7, exhausts to stack No. 7 which is a common stack with I8.
- (h) A Nichols multiple hearth wastewater treatment sludge incinerator, constructed in 1954, identified as I8, with a maximum sludge burning capacity of 2.0 dry tons/hr. Six natural gas/No.2 fuel oil-fired auxiliary fuel burners also included as I8 with a capacity of 15 million BTU/hr total. Particulate and sulfur dioxide controlled by a Sly Mfg. tray and a Sly Mfg. venturi scrubber in series, which are common controls between I7 and I8. Incinerator, I8, exhausts to stack No. 07 which is a common stack with I7.
- (i) A Stone Johnston Corp. natural gas boiler with serial number 843401, constructed in 1987, identified as B1, with a maximum heat input capacity of 12.6 million BTU/hr and exhausting to stack No. 08.
- (j) A Stone Johnston Corp. natural gas boiler with serial number 843402, constructed in 1987, identified as B2, with a maximum heat input capacity of 12.6 million BTU/hr and exhausting to stack No. 09.
- (k) A Stone Johnston Corp. natural gas boiler with serial number 843403, constructed in 1987, identified as B3, with a maximum heat input capacity of 12.6 million BTU/hr and exhausting to stack No. 10.

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

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

- (1) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6. [326 IAC 8-3-2] [326 IAC 8-3-5]
- (2) Equipment powered by internal combustion engines of capacity equal to or less than 500,000 Btu per hour, except where total capacity of equipment operated by one stationary source exceeds 2,000,000 Btu per hour.

- (3) Emergency diesel generators not exceeding 1600 horsepower.
- (4) 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 6.5-1-2]
- (5) Paved and unpaved roads and parking lots with public access [326 IAC 6-4]
- (6) Space heaters using natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) Btu per hour.

A.4 Non-Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)]

This stationary source also includes the following insignificant activities which are not specifically regulated, as defined in 326 IAC 2-7-1(21):

- (1) A gasoline fuel transfer and dispensing operation handling less than or equal to 1,300 gallons per day, such as filling of tanks, locomotives, vehicles, having a storage capacity less than or equal to 10,500 gallons. Such storage tanks may be in a fixed location or on mobile equipment.
- (2) A petroleum fuel, other than gasoline, dispensing facility, having a storage tank capacity of less than or equal to 10,500 gallons, and dispensing less than or equal to 3,500 gallons per month.
- (3) The following VOC or HAP storage containers:
  - (a) Storage tanks with capacity less than or equal to 1,000 gallons and annual throughputs less than 12,000 gallons.
  - (b) Vessels storing lubricating oils, hydraulic oils, and machining fluids.
- (4) Filling drums, pails or other packaging containers with lubricating oils, waxes, and greases.
- (5) Machining where an aqueous cutting coolant continuously floods the machining interface.
- (6) Cleaners and solvents characterized as follows: (a) having a vapor pressure equal to or less than 2 kPa (15 mm Hg) or 0.1 psi measured at 38 °C (100 °F) or; (b) having a vapor pressure equal to or less than 0.7 kPa (5 mm Hg) or 0.1 psi measured at 20 °C (68 °F); the use of which for all cleaners and solvents combined does not exceed 145 gallons per 12 months.
- (7) Closed loop heating and cooling systems.
- (8) Activities associated with the transportation and treatment of sanitary sewage, provided discharge to the treatment plant is under the control of the owner/operator, that is, an on-site sewage treatment facility.
- (9) Noncontact cooling tower systems with natural draft cooling towers not regulated under a NESHAP.
- (10) Stockpiled soils from soil remediation activities that are covered and waiting transport for disposal.

- (11) On-site fire and emergency response training approved by the department.
- (12) A laboratory as defined in 326 IAC 2-7-1(21)(D).
- (13) Unloading of septage from trucks.
- (14) Transport, loading, and unloading of incinerator ash (including quenching or ash).
- (15) Collection of recoverable waste oil.
- (16) 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, including purging of gas lines and purging of vessels. [326 IAC 2-7-1(21)(G)(xvii)]
- (17) 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. [326 IAC 2-7-1(21)(G)(xvii)]
- (18) Purge double block and bleed valves. [326 IAC 2-7-1(21)(G)(xvii)]
- (19) The following equipment related to manufacturing activities not resulting in the emission of HAPs; brazing equipment, cutting torches, soldering equipment, welding equipment.
- (20) Other categories with emissions below insignificant thresholds:
  - (a) A sludge ash monofill that was capped in 1999 but was previously used for the on-site disposal of ash (bottom ash and ash collected from the scrubbers) from the incineration of sewage sludge.
  - (b) Wastewater treatment operations which includes plant influent systems, headworks trash rake building, headworks raw sewage pump building, headworks bar screen building, headworks grit chambers, Southport gate structure, primary treatment systems, grease and scum building, primary effluent diversion structure, pig retrieval structure, bio-roughing, nitrification system, effluent filter building and disinfection system, gravity belt thickening, and dewatering operations.

#### A.5 Part 70 Permit Applicability [326 IAC 2-7-2]

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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]

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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)]

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- (a) This permit, T097-26253-00032, 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 issuance or denial of the renewed permit becomes effective.

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

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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]

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- (a) 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)]

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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)]

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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)]

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- (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, with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal. The Permittee may utilize the attached Certification Form or its equivalent.
- (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 April 15 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]**

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- (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) The Permittee shall implement the PMPs, including any record keeping, as necessary to ensure that failure to implement a PMP does not cause or contribute to an exceedance of any limitation on emissions or potential to emit. 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]**

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- (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) IDEM, OAQ may require that the Preventive Maintenance Plans required under Condition B.10 for the emission unit or control device that was the subject of the emergency 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 as well as the federal statutes from the Clean Air Act and the Federal rules from 40 CFR, 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)].

- (h) This source is not subject to the requirements of the New Source Performance Standard (NSPS), 326 IAC 12, (40 CFR 60, Subpart O - Standard of Performance for Sewage Treatment Plants), because the date of construction of the sewage sludge incinerators, identified as I1-I8, is prior to June 11, 1973, the applicability date for this rule and because the fixed capital cost of the rehabilitation of incinerator I2 was less than 50% of the estimated cost to construct a new incinerator and the rehabilitation of incinerator I2 did not result in an operational change of the incinerator or an increase in actual emissions.
- (i) The sewage sludge incinerators, identified as I1-I8, are not subject to the requirements of the New Source Performance Standard (NSPS) for incinerators, 326 IAC 12, (40 CFR 60, Subpart E), because the date of construction of the sewage sludge incinerators, identified as I1-I8, is prior to August 17, 1971, the applicability date for this rule and because the fixed capital cost of the rehabilitation of incinerator I2 was less than 50% of the estimated cost to construct a new incinerator and the rehabilitation of incinerator I2 did not result in an operational change of the incinerator or an increase in actual emissions.
- (j) The three boilers, identified as B1, B2 and B3 and constructed in 1987, are not subject to the New Source Performance Standard (NSPS), 326 IAC 12, (40 CFR 60, Subpart Dc - Standards of Performance for Small Industrial, Commercial, Institutional Steam Generating Units) because the date of construction of the three boilers, identified as B1, B2 and B3 is prior to June 9, 1989, the applicability date of this rule.
- (k) This source is not subject to the requirements of the National Emission Standard for Hazardous Air Pollutants (NESHAP) for Publicly Owned Treatment Works, 326 IAC 14 (40 CFR 63, Subpart VVV) because the affected facility is not a major source of HAP emissions as defined in 326 IAC 2-7-1(22) and is not an industrial publicly owned treatment works (POTW) as defined in 40 CFR 63.1595.
- (l) The emergency diesel generator, constructed in 1981, is not subject to the requirements of the New Source Performance Standard (NSPS) for Stationary Compression Ignition Internal Combustion Engines, 326 IAC 12, (40 CFR 60, Subpart IIII) because the date of construction of the emergency diesel generator is prior to July 11, 2005, the applicability date of this rule.
- (m) The emergency diesel generator, constructed in 1981, is not subject to the requirements of the National Emission Standard for Hazardous Air Pollutants (NESHAP) for Stationary Reciprocating Internal Combustion Engines, 326 IAC 20-82 (40 CFR 63, Subpart ZZZZ) because the date of construction of the emergency diesel generator is prior to June 12, 2006, the applicability date of this rule.

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

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- (a) All terms and conditions of permits established prior to T097-26253-00032 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)]**

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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)]**

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- (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]**

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- (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)]**

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- (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] [40 CFR 72]**

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- (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)]

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- (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]**

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- (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 are 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  
  
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.
- (f) This condition does not apply to emission trades of SO<sub>2</sub> or NO<sub>x</sub> under 326 IAC 21 or 326 IAC 10-4.

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

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- (a) A modification, construction, or reconstruction is governed by the applicable requirements of 326 IAC 2 and 326 IAC 2-7-10.5.
- (b) Any major modification at an existing major source is governed by the applicable requirements of 326 IAC 2-2.

**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]**

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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, and 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 Credible Evidence [326 IAC 2-7-5(3)][326 IAC 2-7-6][62 FR 8314] [326 IAC 1-1-6]**

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For the purpose of submitting compliance certifications or establishing whether or not the Permittee has violated or is in violation of any permit condition, emission limitation, standard, or rule in Title 326 of the Indiana Administrative Code, nothing in Title 326 of the Indiana Administrative Code or 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 permit condition, emission limitation, standard, or rule 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 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 thirty percent (30%) 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.2 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.3 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.4 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). 326 IAC 6-4-2(4) is not federally enforceable.

#### C.5 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. The provisions of 326 IAC 1-7-1(3), 326 IAC 1-7-2, 326 IAC 1-7-3(c) and (d), 326 IAC 1-7-4, and 326 IAC 1-7-5(a), (b), and (d) are not federally enforceable.

#### C.6 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 as required under Condition C.6(d) of this permit 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 Licensed 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 Licensed Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement to use an Indiana Licensed Asbestos inspector is not federally enforceable.

## Testing Requirements [326 IAC 2-7-6(1)]

### C.7 Performance Testing [326 IAC 3-6]

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- (a) All testing required to be performed pursuant to a condition of this permit or other applicable requirement 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. Permittee may use Method 29 (40 CFR Part 60, Appendix A) for determination of beryllium and mercury emissions.

For such required testing, 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) For testing required by this permit or other applicable requirement, the Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. In the event that a previously schedule test must be canceled and rescheduled, the Permittee shall notify IDEM, OAQ no less than fourteen (14) days in advance of the rescheduled 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 for testing required by this permit or other applicable requirements must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ if the Permittee submits to IDEM, OAQ a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

## Compliance Requirements [326 IAC 2-1.1-11]

### C.8 Compliance Requirements [326 IAC 2-1.1-11]

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

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Unless otherwise specified in this permit, all monitoring and record keeping requirements not already legally required shall be implemented no later than ninety (90) days of permit issuance or ninety (90) days of initial start-up, whichever is later. If required by Section D, the Permittee shall be responsible for installing any equipment required to comply with the monitoring requirements in Section D and initiating any monitoring required to comply with the monitoring requirements in Section D 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.10 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]**

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

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- (a) When an analog instrument is used to measure pressure drop and flow rate as required by this permit, the analog instrument 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.12 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]**

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

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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.14 Response to Excursions or Exceedances [326 IAC 2-7-5] [326 IAC 2-7-6]**

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- (a) Upon detecting an excursion of a compliance monitoring condition set forth in Section D of this permit or exceedance, the Permittee shall restore operation of the emissions unit (including any control device and associated capture system) to its normal or usual

manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.

- (b) The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Corrective actions may include, but are not limited to, the following:
  - (1) initial inspection and evaluation;
  - (2) recording that operations returned to normal without operator action (such as through response by a computerized distribution control system); or
  - (3) any necessary follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.
- (c) A determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include, but is not limited to, the following:
  - (1) monitoring results;
  - (2) review of operation and maintenance procedures and records; and/or
  - (3) inspection of the control device, associated capture system, and the process.
- (d) Failure to take reasonable response steps shall be considered a deviation from the permit.
- (e) The Permittee shall maintain the following records:
  - (1) monitoring data;
  - (2) monitor performance data, if applicable; and
  - (3) corrective actions taken.

C.15 Actions Related to Noncompliance Demonstrated by a Stack Test [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) Pursuant to 326 IAC 2-6-3(a)(1), starting 2005 and every three (3), the Permittee shall submit by July 1 of each year 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] [326 IAC 2-2][326 IAC 2-3]**

(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 or ninety (90) days of initial startup, whichever is later.

(c) If there is a reasonable possibility (as defined in 40 CFR 51.165(a)(6)(vi)(A), 40 CFR 51.165(a)(6)(vi)(B), 40 CFR 51.166(r)(6)(vi)(a), and/or 40 CFR 51.166(r)(6)(vi)(b)) that a "project" (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(II)) at an existing emissions unit, other than projects at a source with a Plantwide Applicability Limitation (PAL), which is not part of a "major modification" (as defined in 326 IAC 2-2-1(ee) and/or 326 IAC 2-3-1(z)) may result in significant emissions

increase and the Permittee elects to utilize the "projected actual emissions" (as defined in 326 IAC 2-2-1(rr) and/or 326 IAC 2-3-1(mm)), the Permittee shall comply with following:

- (1) Before beginning actual construction of the "project" (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(ll)) at an existing emissions unit, document and maintain the following records:
  - (A) A description of the project.
  - (B) Identification of any emissions unit whose emissions of a regulated new source review pollutant could be affected by the project.
  - (C) A description of the applicability test used to determine that the project is not a major modification for any regulated NSR pollutant, including:
    - (i) Baseline actual emissions;
    - (ii) Projected actual emissions;
    - (iii) Amount of emissions excluded under section 326 IAC 2-2-1(rr)(2)(A)(iii) and/or 326 IAC 2-3-1 (mm)(2)(A)(iii); and
    - (iv) An explanation for why the amount was excluded, and any netting calculations, if applicable.
- (d) If there is a reasonable possibility (as defined in 40 CFR 51.165(a)(6)(vi)(A) and/or 40 CFR 51.166(r)(6)(vi)(a)) that a "project" (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(ll)) at an existing emissions unit, other than projects at a source with a Plantwide Applicability Limitation (PAL), which is not part of a "major modification" (as defined in 326 IAC 2-2-1(ee) and/or 326 IAC 2-3-1(z)) may result in significant emissions increase and the Permittee elects to utilize the "projected actual emissions" (as defined in 326 IAC 2-2-1(rr) and/or 326 IAC 2-3-1(mm)), the Permittee shall comply with following:
  - (1) Monitor the emissions of any regulated NSR pollutant that could increase as a result of the project and that is emitted by any existing emissions unit identified in (1)(B) above; and
  - (2) Calculate and maintain a record of the annual emissions, in tons per year on a calendar year basis, for a period of five (5) years following resumption of regular operations after the change, or for a period of ten (10) years following resumption of regular operations after the change if the project increases the design capacity of or the potential to emit that regulated NSR pollutant at the emissions unit.

C.18 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11] [326 IAC 2-2] [326 IAC 2-3]

- (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) If the Permittee is required to comply with the recordkeeping provisions of (d) in Section C - General Record Keeping Requirements for any "project" (as defined in 326 IAC 2-2-1 (qq) and/or 326 IAC 2-3-1 (ll)) at an existing emissions unit, and the project meets the following criteria, then the Permittee shall submit a report to IDEM, OAQ:
  - (1) The annual emissions, in tons per year, from the project identified in (c)(1) in Section C- General Record Keeping Requirements exceed the baseline actual emissions, as documented and maintained under Section C- General Record Keeping Requirements (c)(1)(C)(i), by a significant amount, as defined in 326 IAC 2-2-1 (xx) and/or 326 IAC 2-3-1 (qq), for that regulated NSR pollutant, and
  - (2) The emissions differ from the preconstruction projection as documented and maintained under Section C - General Record Keeping Requirements (c)(1)(C)(ii).
- (g) The report for project at an existing emissions unit shall be submitted within sixty (60) days after the end of the year and contain the following:
  - (1) The name, address, and telephone number of the major stationary source.
  - (2) The annual emissions calculated in accordance with (d)(1) and (2) in Section C - General Record Keeping Requirements.
  - (3) The emissions calculated under the actual-to-projected actual test stated in 326 IAC 2-2-2(d)(3) and/or 326 IAC 2-3-2(c)(3).
  - (4) Any other information that the Permittee deems fit to include in this report.

Reports required in this part shall be submitted to:

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

- (h) 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**

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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) A Nichols multiple hearth wastewater treatment sludge incinerator, constructed in 1970, identified as I1, with a maximum sludge burning capacity of 2.6 dry tons/hr. Nine natural gas/No.2 fuel oil-fired auxiliary fuel burners also included as I1 with a capacity of 22.5 million BTU/hr total. Particulate and sulfur dioxide emissions are controlled by a Swemco venturi and tray impingement scrubber. Incinerator, I1, exhausts to stacks No. 01 or No. 02.
- (b) A Nichols multiple hearth wastewater treatment sludge incinerator, constructed in 1970 and rehabilitated in 2003, identified as I2, with a maximum sludge burning capacity of 2.6 dry tons/hr. Nine natural gas-fired auxiliary fuel low NOx burners also included as I2 with a capacity of 22.5 million BTU/hr total. Particulate and sulfur dioxide emissions are controlled by a Swemco venturi and tray impingement scrubber. Incinerator, I2, exhausts to stacks No. 01 or No. 03.
- (c) A Nichols multiple hearth wastewater treatment sludge incinerator, constructed in 1970, identified as I3, with a maximum sludge burning capacity of 2.6 dry tons/hr. Nine natural gas/No.2 fuel oil-fired auxiliary fuel burners also included as I3 with a capacity of 22.5 million BTU/hr total. Particulate and sulfur dioxide emissions are controlled by a Swemco venturi and tray impingement scrubber. Incinerator, I3, exhausts to stacks No. 01 or No. 04.
- (d) A Nichols multiple hearth wastewater treatment sludge incinerator, constructed in 1970, identified as I4, with a maximum sludge burning capacity of 2.6 dry tons/hr. Nine natural gas/No.2 fuel oil-fired auxiliary fuel burners also included as I4 with a capacity of 22.5 million BTU/hr total. Particulate and sulfur dioxide emissions are controlled by a Venturi-Pak scrubber. Incinerator, I4, exhausts to stacks No. 01 or No. 05.
- (e) A Nichols multiple hearth wastewater treatment sludge incinerator, constructed in 1954, identified as I5, with a maximum sludge burning capacity of 2.0 dry tons/hr. Six natural gas/No.2 fuel oil-fired auxiliary fuel burners also included as I5 with a capacity of 15 million BTU/hr total. Particulate and sulfur dioxide emissions are controlled by a Sly Mfg. tray and a Sly Mfg. venturi scrubber in series, which are common controls between I5 and I6. Incinerator, I5, exhausts to stack No. 06 which is a common stack with I6.
- (f) A Nichols multiple hearth wastewater treatment sludge incinerator, constructed in 1954, identified as I6, with a maximum sludge burning capacity of 2.0 dry tons/hr. Six natural gas/No.2 fuel oil-fired auxiliary fuel burners also included as I6 with a capacity of 15 million BTU/hr total. Particulate and sulfur dioxide controlled by a Sly Mfg. tray and a Sly Mfg. venturi scrubber in series, which are common controls between I6 and I5. Incinerator, I6, exhausts to stack No. 06 which is a common stack with I5.
- (g) A Nichols multiple hearth wastewater treatment sludge incinerator, constructed in 1954, identified as I7, with a maximum sludge burning capacity of 2.0 dry tons/hr. Six natural gas/No.2 fuel oil-fired auxiliary fuel burners also included as I7 with a capacity of 15 million BTU/hr total. Particulate and sulfur dioxide controlled by a Sly Mfg. tray and a Sly Mfg. venturi scrubber in series, which are common controls between I7 and I8. Incinerator, I7, exhausts to stack No. 7 which is a common stack with I8.

- (h) A Nichols multiple hearth wastewater treatment sludge incinerator, constructed in 1954, identified as I8, with a maximum sludge burning capacity of 2.0 dry tons/hr. Six natural gas/No.2 fuel oil-fired auxiliary fuel burners also included as I8 with a capacity of 15 million BTU/hr total. Particulate and sulfur dioxide controlled by a Sly Mfg. tray and a Sly Mfg. venturi scrubber in series, which are common controls between I7 and I8. Incinerator, I8, exhausts to stack No. 07 which is a common stack with I7.

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

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

#### **D.1.1 PSD Minor Limit [326 IAC2-2]**

Pursuant to Significant Source Modification 097-16971-00032, issued on October 15, 2003, the wastewater sludge incinerator, identified as I2, shall comply with the following:

- (a) The amount of dry sludge delivered to the No. 2 incinerator shall be limited to less than 17,712 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.
- (b) Emissions of CO from the No. 2 incinerator shall not exceed 51.78 pounds per ton of dry sludge burned.

Compliance with the above limits will limit the potential CO emissions from the No.2 incinerator to less than 458.58 tons/yr and render 326 IAC 2-2 not applicable to the 2003 rehabilitation modification.

The source may petition to have the limits modified based on the results of the stack testing provided that the resulting allowable CO emissions are less than 458.58 tons per year, and the emissions of any other criteria pollutant are not increased above the PSD significant threshold listed in 326 IAC 2-2-1(jj)(1).

#### **D.1.2 Emission Offset [326 IAC 2-3]**

Pursuant to Emission Offset Limits established by the Indianapolis Environmental Resources Management Division in the City of Indianapolis operating permit which was issued on August 21, 1990, the total particulate matter emissions from all incinerators I1-I8 must not exceed 1.3 lbs/ton and the total amount of sewage sludge incinerated by all incinerators, I1-I8, shall not exceed 62,050 dry tons of sludge per twelve (12) consecutive month period with compliance determined at the end of each month.

These emission offset limits were established on March 11, 1986 to provide an emission offset for the construction of a trash incinerator at another site owned by the City of Indianapolis because Marion County was non-attainment for particulate matter at the time.

#### **D.1.3 Particulate Matter Emission Limitation [326 IAC 6.5-6-1]**

- (a) Pursuant to 326 IAC 6.5-6-35, the total particulate matter (PM) emissions from the four (4) sewage sludge incinerators, identified as I1, I2, I3 and I4 shall not exceed 72.5 tons per year or 0.030 grains/dscf.
- (b) Pursuant to 326 IAC 6.5-6-35, the particulate matter (PM) emissions from the four (4) sewage sludge incinerators, identified as I5, I6, I7 and I8 shall not exceed 17.9 tons per year or 0.030 grains/dscf, each.

#### D.1.4 Sulfur Dioxide Emission Limitations [326 IAC 7-4-2]

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Pursuant to 326 IAC 7-4-2 (Marion county sulfur dioxide emission limitations), the sulfur dioxide emissions from each of the incinerators, I1- I8, must not exceed 2 lb of SO<sub>2</sub> per dry ton of sludge burned or 14.19 pounds per hour.

#### D.1.5 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

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

### Compliance Determination Requirements

#### D.1.6 Testing Requirements [326 IAC 2-1.1-11] [40 CFR 61, Subpart C] [40 CFR 61, Subpart E]

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- (a) In order to determine compliance with Conditions D.1.3 and D.1.4, the Permittee shall perform PM and SO<sub>2</sub> testing before December 2010 on incinerators, identified as I1-I4 and the scrubber controlling emissions from the incinerators utilizing methods as approved by the Commissioner. This test shall be repeated at least once every two and half (2.5) years from the date of this valid compliance demonstration. Testing shall be conducted in accordance with Section C- Performance Testing.
- (b) In order to determine compliance with 40 CFR 61.32(a), the Permittee shall perform beryllium (Be) testing before December 2010 on incinerators, identified as I1-I4 utilizing methods as approved by the Commissioner. This test shall be repeated at least once every two and half (2.5) years from the date of this valid compliance demonstration. Testing shall be conducted in accordance with Section C- Performance Testing.
- (c) In order to determine compliance with 40 CFR 61.52(b), the Permittee shall perform mercury (Hg) testing before December 2010 on incinerators, identified as I1-I4 utilizing methods as approved by the Commissioner. This test shall be repeated at least once every two and half (2.5) years from the date of this valid compliance demonstration. Testing shall be conducted in accordance with Section C- Performance Testing.
- (d) Within one hundred and eighty (180) days of restarting incinerators, identified as I5, I6, I7 or I8, in order to determine compliance with Conditions D.1.2, D.1.3 and D.1.4, the Permittee shall perform PM and SO<sub>2</sub> testing on the respective restarted incinerators, and the associated scrubber controlling emissions from the incinerators utilizing methods as approved by the Commissioner. These tests shall be repeated at least once every year from the date of this valid compliance determination. Testing shall be conducted in accordance with Section C- Performance Testing.
- (e) Within one hundred and eighty (180) days of restarting incinerators, identified as I5, I6, I7 or I8, in order to determine compliance with 40 CFR 61.32(a), the Permittee shall perform beryllium (Be) testing on the respective restarted incinerators, utilizing methods as approved by the Commissioner. These tests shall be repeated at least once every year from the date of this valid compliance determination. Testing shall be conducted in accordance with Section C- Performance Testing.
- (f) Within one hundred and eighty (180) days of restarting incinerators, identified as I5, I6, I7 or I8, in order to determine compliance with 40 CFR 61.52(b), the Permittee shall perform mercury (Hg) testing on the respective restarted incinerators utilizing methods as approved by the Commissioner. This test shall be repeated at least once every year from the date of this valid compliance determination. Testing shall be conducted in accordance with Section C- Performance Testing.

#### D.1.7 Particulate Matter (PM)

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In order to comply with D.1.3, the scrubbers for incinerators I1-I8 shall be in operation at all times when the associated incinerator is in operation.

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

#### D.1.8 Visible Emission Notation

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- (a) Visible emission notations of the incinerator stack exhaust (stacks 01-05) shall be performed once per day during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.
- (b) Visible emission notations of the incinerator stack exhaust (stacks 06-07) shall be performed once per day during normal daylight operations of incinerators, identified as I5, I6, I7 or I8. A trained employee shall record whether emissions are normal or abnormal.
- (c) 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.
- (d) 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.
- (e) 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.
- (f) 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.

#### D.1.9 Scrubber Parametric Monitoring

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- (a) The Permittee shall record the pressure drop and flow rate of the scrubber associated with incinerator I1-I8, at least once per day when the associated incinerators is in operation.
  - (1) When for any one reading, the pressure drop across:
    - (i) a scrubber associated with incinerator I1, I2 or I3 is below a minimum of 20 inches of water.
    - (ii) a scrubber associated with incinerator I4, I5, I6, I7 and I8 is below a minimum of 15 inches of water; or
    - (iii) a scrubber associated with incinerator I1-I8 is below a minimum pressure drop established during the latest stack test using the methodology described in the approved Compliance Assurance Monitoring Plan.

the Permittee shall take reasonable response steps in accordance with Section C – Response to Excursions or Exceedances.

- (2) When for any one reading, the flow rate across:
- (i) a scrubber associated with incinerator I1, I2 or I3 is below a minimum of 847 gallons per minute;
  - (ii) a scrubber associated with incinerator I4 is below a minimum of 895 gallons per minute;
  - (iii) a scrubber associated with incinerator I5, I6, I7 or I8 is below a minimum of 400 gallons per minute;
  - (iv) the flow rate of a scrubber associated with incinerator I1-I8 is below a minimum flow rate established during the latest stack test using the methodology described in the approved Compliance Assurance Monitoring Plan.

the Permittee shall take reasonable response steps in accordance with Section C – Response to Excursions or Exceedances.

A pressure drop and flow rate reading that is below the above mentioned minimums is not a deviation from this permit. Failure to take response steps in accordance with Section C – Response to Excursions or Exceedances, shall be considered a deviation from this permit.

- (b) The instrument used for determining the pressure and flow rate shall comply with Section C – Instrument Specifications, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated at least once every six (6) months.

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

#### **D.1.10 Record Keeping Requirement**

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- (a) To document compliance with Conditions D.1.1 and D.1.2, the Permittee shall maintain records of the total dry tons of sewage sludge incinerated monthly, in each of the eight (8) incinerators, identified as I1-I8.
- (b) To document compliance with Condition D.1.8(a) - Visible Emission Notation, the Permittee shall maintain daily records of the visible emission notations of the four (4) incinerators (I1-I4) stack exhausts. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of a visible emission notation, (e.g. the process did not operate that day).
- (c) Upon restarting incinerator, identified as I5, I6, I7 or I8, to document compliance with Condition D.1.8(b) - Visible Emission Notation, the Permittee shall maintain daily records of the visible emission notations of the four (4) incinerators (I5-I8) stack exhausts. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of a visible emission notation, (e.g. the process did not operate that day).
- (d) To document compliance with Condition D.1.9 – Scrubber Parametric Monitoring, the Permittee shall maintain the daily records of the pressure drop and flow rate reading across the scrubbers associated with incinerators I1-I4. The Permittee shall include in its daily record when the pressure drop and flow rate reading are not taken and the reason for the lack of pressure drop and flow rate readings, (e.g. the process did not operate that day).

- (e) Upon restarting incinerator, identified as I5, I6, I7 or I8, to document compliance with Condition D.1.9(a)(1)(ii) and (a)(2)(iii) – Scrubber Parametric Monitoring, the Permittee shall maintain the daily records of the pressure drop and flow rate reading across the scrubber. The Permittee shall include in its daily record when the pressure drop and flow rate reading are not taken and the reason for the lack of pressure drop and flow rate readings, (e.g. the process did not operate that day).
- (f) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

#### D.1.11 Reporting Requirement

A quarterly summary of the information to document compliance with Conditions D.1.1(a) and D.1.2 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 their equivalent, within thirty (30) days after the end of the quarter being reported. 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 EMISSIONS UNIT OPERATION CONDITIONS

### Emissions Unit Description:

- (i) A Stone Johnston Corp. natural gas boiler with serial number 843401, constructed in 1987, identified as B1, with a maximum heat input capacity of 12.6 million BTU/hr and exhausting to stack No. 08.
- (j) A Stone Johnston Corp. natural gas boiler with serial number 843402, constructed in 1987, identified as B2, with a maximum heat input capacity of 12.6 million BTU/hr and exhausting to stack No. 09.
- (k) A Stone Johnston Corp. natural gas boiler with serial number 843403, constructed in 1987, identified as B3, with a maximum heat input capacity of 12.6 million BTU/hr and exhausting to stack No. 10.

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

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

#### D.2.1 Particulate Emission Limitation for Fuel Combustion Steam Generators [326 IAC 6.5-1-2]

Pursuant to 326 IAC 6.5-1-2(3), (particulate Matter Emission Limitations for Fuel Combustion Steam Generators), the particulate matter (PM) emissions from each of the three (3) boilers, identified as B1, B2 and B3 shall not exceed 0.01grains/dscf.

#### D.2.2 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.

## SECTION D.3 EMISSIONS UNIT OPERATION CONDITIONS

### Emissions Unit Description: Specifically Regulated Insignificant Activities

- (1) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6. [326 IAC 8-3-2] [326 IAC 8-3-5]
- (2) Equipment powered by internal combustion engines of capacity equal to or less than 500,000 Btu per hour, except where total capacity of equipment operated by one stationary source exceeds 2,000,000 Btu per hour;
- (3) Emergency diesel generators not exceeding 1600 horsepower;
- (4) 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 6.5-1-2]
- (5) Paved and unpaved roads and parking lots with public access [326 IAC 6-4]
- (6) Space heaters using natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) Btu per hour.

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

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

#### D.3.1 Particulate Emission Limitation for General Sources [326 IAC 6.5-1-2]

Pursuant to 326 IAC 6.5-1-2(a), the particulate matter (PM) from the grinding and machining operation shall be limited to 0.03 gr/dscf.

#### D.3.2 Organic Solvent Degreasing Operations: Cold Cleaner Operations [326 IAC 8-3-2]

Pursuant to 326 IAC 8-3-2 (Cold Cleaner Operation), for cold cleaning facilities constructed after January 1, 1980, the Permittee shall:

- (a) Equip the cleaner with a cover;
- (b) Equip the cleaner with a facility for draining cleaned parts;
- (c) Close the degreaser cover whenever parts are not being handled in the cleaner;
- (d) Drain cleaned parts for at least fifteen (15) seconds or until dripping ceases;
- (e) Provide a permanent, conspicuous label summarizing the operation requirements;
- (f) Store waste solvent only in covered containers and not dispose of waste solvent or transfer it to another party, in such a manner that greater than twenty percent (20%) of the waste solvent (by weight) can evaporate into the atmosphere.

#### D.3.3 Organic Solvent Degreasing Operations: Cold Cleaner Operation and Control [326 IAC 8-3-5]

- (a) Pursuant to 326 IAC 8-3-5(a) (Cold Cleaner Degreaser Operation and Control), for cold

cleaner degreaser operations without remote solvent reservoirs constructed after July 1, 1990, the Permittee shall ensure that the following control equipment requirements are met:

- (1) Equip the degreaser with a cover. The cover must be designed so that it can be easily operated with one (1) hand if:
  - (A) The solvent volatility is greater than two (2) kiloPascals (fifteen (15) millimeters of mercury or three-tenths (0.3) pounds per square inch) measured at thirty-eight degrees Celsius ( $38^{\circ}\text{C}$ ) (one hundred degrees Fahrenheit ( $100^{\circ}\text{F}$ ));
  - (B) The solvent is agitated; or
  - (C) The solvent is heated
- (2) Equip the degreaser with a facility for draining cleaned articles. If the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury) or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius ( $38^{\circ}\text{C}$ ) (one hundred degrees Fahrenheit ( $100^{\circ}\text{F}$ )), then the drainage facility must be internal such that articles are enclosed under the cover while draining. The drainage facility may be external for applications where an internal type cannot fit into the cleaning system.
- (3) Provide a permanent, conspicuous label which lists the operating requirements outlined in subsection (b).
- (4) The solvent spray, if used, must be a solid, fluid stream and shall be applied at a pressure which does not cause excessive splashing.
- (5) Equip the degreaser with one (1) of the following control devices if the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury) or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius ( $38^{\circ}\text{C}$ ) (one hundred degrees Fahrenheit ( $100^{\circ}\text{F}$ )), or if the solvent is heated to a temperature greater than forty-eight and nine-tenths degrees Celsius ( $48.9^{\circ}\text{C}$ ) (one hundred twenty degrees Fahrenheit ( $120^{\circ}\text{F}$ )):
  - (A) A freeboard that attains a freeboard ratio of seventy-five hundredths (0.75) or greater.
  - (B) A water cover when solvent is used is insoluble in, and heavier than, water.
  - (C) Other systems of demonstrated equivalent control such as a refrigerated chiller of carbon adsorption. Such systems shall be submitted to the U.S. EPA as a SIP revision.

- (b) Pursuant to 326 IAC 8-3-5(b) (Cold Cleaner Degreaser Operation and Control), the Permittee shall ensure that the following operating requirements are met:
- (1) Close the cover whenever articles are not being handled in the degreaser.
  - (2) Drain cleaned articles for at least fifteen (15) seconds or until dripping ceases.
  - (3) Store waste solvent only in covered containers and prohibit the disposal or transfer of waste solvent in any manner in which greater than twenty percent (20%) of the waste solvent by weight could evaporate.

## SECTION E.1 EMISSIONS UNIT OPERATION CONDITIONS

### Emissions Unit Description:

- (a) A Nichols multiple hearth wastewater treatment sludge incinerator, constructed in 1970, identified as I1, with a maximum sludge burning capacity of 2.6 dry tons/hr. Nine natural gas/No.2 fuel oil-fired auxiliary fuel burners also included as I1 with a capacity of 22.5 million BTU/hr total. Particulate and sulfur dioxide emissions are controlled by a Swemco venturi and tray impingement scrubber. Incinerator, I1, exhausts to stacks No. 01 or No. 02.
- (b) A Nichols multiple hearth wastewater treatment sludge incinerator, constructed in 1970 and rehabilitated in 2003, identified as I2, with a maximum sludge burning capacity of 2.6 dry tons/hr. Nine natural gas-fired auxiliary fuel low NOx burners also included as I2 with a capacity of 22.5 million BTU/hr total. Particulate and sulfur dioxide emissions are controlled by a Swemco venturi and tray impingement scrubber. Incinerator, I2, exhausts to stacks No. 01 or No. 03.
- (c) A Nichols multiple hearth wastewater treatment sludge incinerator, constructed in 1970, identified as I3, with a maximum sludge burning capacity of 2.6 dry tons/hr. Nine natural gas/No.2 fuel oil-fired auxiliary fuel burners also included as I3 with a capacity of 22.5 million BTU/hr total. Particulate and sulfur dioxide emissions are controlled by a Swemco venturi and tray impingement scrubber. Incinerator, I3, exhausts to stacks No. 01 or No. 04.
- (d) A Nichols multiple hearth wastewater treatment sludge incinerator, constructed in 1970, identified as I4, with a maximum sludge burning capacity of 2.6 dry tons/hr. Nine natural gas/No.2 fuel oil-fired auxiliary fuel burners also included as I4 with a capacity of 22.5 million BTU/hr total. Particulate and sulfur dioxide emissions are controlled by a Venturi-Pak scrubber. Incinerator, I4, exhausts to stacks No. 01 or No. 05.
- (e) A Nichols multiple hearth wastewater treatment sludge incinerator, constructed in 1954, identified as I5, with a maximum sludge burning capacity of 2.0 dry tons/hr. Six natural gas/No.2 fuel oil-fired auxiliary fuel burners also included as I5 with a capacity of 15 million BTU/hr total. Particulate and sulfur dioxide emissions are controlled by a Sly Mfg. tray and a Sly Mfg. venturi scrubber in series, which are common controls between I5 and I6. Incinerator, I5, exhausts to stack No. 06 which is a common stack with I6.
- (f) A Nichols multiple hearth wastewater treatment sludge incinerator, constructed in 1954, identified as I6, with a maximum sludge burning capacity of 2.0 dry tons/hr. Six natural gas/No.2 fuel oil-fired auxiliary fuel burners also included as I6 with a capacity of 15 million BTU/hr total. Particulate and sulfur dioxide controlled by a Sly Mfg. tray and a Sly Mfg. venturi scrubber in series, which are common controls between I6 and I5. Incinerator, I6, exhausts to stack No. 06 which is a common stack with I5.
- (g) A Nichols multiple hearth wastewater treatment sludge incinerator, constructed in 1954, identified as I7, with a maximum sludge burning capacity of 2.0 dry tons/hr. Six natural gas/No.2 fuel oil-fired auxiliary fuel burners also included as I7 with a capacity of 15 million BTU/hr total. Particulate and sulfur dioxide controlled by a Sly Mfg. tray and a Sly Mfg. venturi scrubber in series, which are common controls between I7 and I8. Incinerator, I7, exhausts to stack No. 7 which is a common stack with I8.

- (h) A Nichols multiple hearth wastewater treatment sludge incinerator, constructed in 1954, identified as I8, with a maximum sludge burning capacity of 2.0 dry tons/hr. Six natural gas/No.2 fuel oil-fired auxiliary fuel burners also included as I8 with a capacity of 15 million BTU/hr total. Particulate and sulfur dioxide controlled by a Sly Mfg. tray and a Sly Mfg. venturi scrubber in series, which are common controls between I7 and I8. Incinerator, I8, exhausts to stack No. 07 which is a common stack with I7.

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

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

#### **E.1.1 General Provision Relating to National Emission Standards for Hazardous Air Pollutants [326 IAC 14-1] [40 CFR 61, Subpart A]**

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- (a) Pursuant to 40 CFR 61.01, the Permittee shall comply with the provisions of 40 CFR Part 61 Subpart A – General Provisions, which are incorporated by reference as 326 IAC 14-1 for the eight (8) incinerators, identified as I1-I8 except as otherwise specified in 40 CFR Part 61, Subpart C.
- (b) Pursuant to 40 CFR 60.17, the Permittee shall submit all required notifications and reports 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

#### **E.1.2 National Emission Standard for Beryllium [326 IAC 14-1] [40 CFR 60, Subpart C]**

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Pursuant to 40 CFR 61 Subpart C, the Permittee shall comply with the provisions of National Emission Standard for Beryllium for the eight (8) incinerators, identified as I1-I8, as specified below and in Attachment A:

- (1) 40 CFR 61.30
- (2) 40 CFR 61.31
- (3) 40 CFR 61.32(a)

## SECTION E.2 EMISSIONS UNIT OPERATION CONDITIONS

### Emissions Unit Description:

- (a) A Nichols multiple hearth wastewater treatment sludge incinerator, constructed in 1970, identified as I1, with a maximum sludge burning capacity of 2.6 dry tons/hr. Nine natural gas/No.2 fuel oil-fired auxiliary fuel burners also included as I1 with a capacity of 22.5 million BTU/hr total. Particulate and sulfur dioxide emissions are controlled by a Swemco venturi and tray impingement scrubber. Incinerator, I1, exhausts to stacks No. 01 or No. 02.
- (b) A Nichols multiple hearth wastewater treatment sludge incinerator, constructed in 1970 and rehabilitated in 2003, identified as I2, with a maximum sludge burning capacity of 2.6 dry tons/hr. Nine natural gas-fired auxiliary fuel low NOx burners also included as I2 with a capacity of 22.5 million BTU/hr total. Particulate and sulfur dioxide emissions are controlled by a Swemco venturi and tray impingement scrubber. Incinerator, I2, exhausts to stacks No. 01 or No. 03.
- (c) A Nichols multiple hearth wastewater treatment sludge incinerator, constructed in 1970, identified as I3, with a maximum sludge burning capacity of 2.6 dry tons/hr. Nine natural gas/No.2 fuel oil-fired auxiliary fuel burners also included as I3 with a capacity of 22.5 million BTU/hr total. Particulate and sulfur dioxide emissions are controlled by a Swemco venturi and tray impingement scrubber. Incinerator, I3, exhausts to stacks No. 01 or No. 04.
- (d) A Nichols multiple hearth wastewater treatment sludge incinerator, constructed in 1970, identified as I4, with a maximum sludge burning capacity of 2.6 dry tons/hr. Nine natural gas/No.2 fuel oil-fired auxiliary fuel burners also included as I4 with a capacity of 22.5 million BTU/hr total. Particulate and sulfur dioxide emissions are controlled by a Venturi-Pak scrubber. Incinerator, I4, exhausts to stacks No. 01 or No. 05.
- (e) A Nichols multiple hearth wastewater treatment sludge incinerator, constructed in 1954, identified as I5, with a maximum sludge burning capacity of 2.0 dry tons/hr. Six natural gas/No.2 fuel oil-fired auxiliary fuel burners also included as I5 with a capacity of 15 million BTU/hr total. Particulate and sulfur dioxide emissions are controlled by a Sly Mfg. tray and a Sly Mfg. venturi scrubber in series, which are common controls between I5 and I6. Incinerator, I5, exhausts to stack No. 06 which is a common stack with I6.
- (f) A Nichols multiple hearth wastewater treatment sludge incinerator, constructed in 1954, identified as I6, with a maximum sludge burning capacity of 2.0 dry tons/hr. Six natural gas/No.2 fuel oil-fired auxiliary fuel burners also included as I6 with a capacity of 15 million BTU/hr total. Particulate and sulfur dioxide controlled by a Sly Mfg. tray and a Sly Mfg. venturi scrubber in series, which are common controls between I6 and I5. Incinerator, I6, exhausts to stack No. 06 which is a common stack with I5.
- (g) A Nichols multiple hearth wastewater treatment sludge incinerator, constructed in 1954, identified as I7, with a maximum sludge burning capacity of 2.0 dry tons/hr. Six natural gas/No.2 fuel oil-fired auxiliary fuel burners also included as I7 with a capacity of 15 million BTU/hr total. Particulate and sulfur dioxide controlled by a Sly Mfg. tray and a Sly Mfg. venturi scrubber in series, which are common controls between I7 and I8. Incinerator, I7, exhausts to stack No. 7 which is a common stack with I8.

- (h) A Nichols multiple hearth wastewater treatment sludge incinerator, constructed in 1954, identified as I8, with a maximum sludge burning capacity of 2.0 dry tons/hr. Six natural gas/No.2 fuel oil-fired auxiliary fuel burners also included as I8 with a capacity of 15 million BTU/hr total. Particulate and sulfur dioxide controlled by a Sly Mfg. tray and a Sly Mfg. venturi scrubber in series, which are common controls between I7 and I8. Incinerator, I8, exhausts to stack No. 07 which is a common stack with I7.

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

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

#### **E.2.1 General Provision Relating to National Emission Standards for Hazardous Air Pollutants [326 IAC 14-1] [40 CFR 61, Subpart A]**

- (a) Pursuant to 40 CFR 61.01, the Permittee shall comply with the provisions of 40 CFR Part 61 Subpart A – General Provisions, which are incorporated by reference as 326 IAC 14-1 for the eight (8) incinerators, identified as I1-I8 except as otherwise specified in 40 CFR Part 61, Subpart E.
- (b) Pursuant to 40 CFR 61.17, the Permittee shall submit all required notifications and reports 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

#### **E.2.2 National Emission Standard for Mercury [326 IAC 14-1] [40 CFR 61, Subpart E]**

Pursuant to 40 CFR 61 Subpart E, the Permittee shall comply with the provisions of National Emission Standard for Mercury for the eight (8) incinerators, identified as I1-I8, as specified below and set forth in Attachment B:

- (1) 40 CFR 61.50
- (2) 40 CFR 61.51
- (3) 40 CFR 61.52(b)

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY**

**PART 70 OPERATING PERMIT  
CERTIFICATION**

Source Name: CWA Authority, Inc., Belmont Advanced Wastewater Treatment Plant  
Source Address: 2700 South Belmont Avenue, Indianapolis, Indiana 46221  
Part 70 Permit No.: T097-26253-00032

**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: CWA Authority, Inc., Belmont Advanced Wastewater Treatment Plant  
Source Address: 2700 South Belmont Avenue, Indianapolis, Indiana 46221  
Part 70 Permit No.: T097-26253-00032

**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 <sub>2</sub> , VOC, NO <sub>x</sub> , 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 Quarterly Report

Source Name: CWA Authority, Inc., Belmont Advanced Wastewater Treatment Plant  
Source Address: 2700 South Belmont Avenue, Indianapolis, Indiana 46221  
Part 70 Permit No.: T097-26253-00032  
Facility: Sewage Sludge Incinerators I1-I8  
Parameter: Sewage Sludge Feed Rate  
Limit: Total Sewage Sludge Incinerated in all incinerators shall not exceed 62,050 dry tons per twelve (12) consecutive month period

QUARTER :

YEAR:

Month	Column 1	Column 2	Column 1 + Column 2
	This Month	Previous 11 Months	12 Month Total
Month 1			
Month 2			
Month 3			

No deviation occurred in this quarter.

Deviation/s occurred in this quarter.

Deviation has been reported on:

Submitted by: \_\_\_\_\_

Title / Position: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Phone: \_\_\_\_\_

Attach a signed certification to complete this report.

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

## Part 70 Quarterly Report

Source Name: CWA Authority, Inc., Belmont Advanced Wastewater Treatment Plant  
Source Address: 2700 South Belmont Avenue, Indianapolis, Indiana 46221  
Part 70 Permit No.: T097-26253-00032  
Facility: No. 2 incinerator  
Parameter: Amount of dry sludge delivered to the No. 2 incinerator  
Limit: Less than 17,712 tons per twelve (12) consecutive month period, with compliance determined at the end of each month

QUARTER :

YEAR:

Month	Column 1	Column 2	Column 1 + Column 2
	This Month	Previous 11 Months	12 Month Total
Month 1			
Month 2			
Month 3			

No deviation occurred in this quarter.

Deviation/s occurred in this quarter.

Deviation has been reported on:

Submitted by: \_\_\_\_\_

Title / Position: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Phone: \_\_\_\_\_

Attach a signed certification to complete 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: CWA Authority, Inc., Belmont Advanced Wastewater Treatment Plant  
Source Address: 2700 South Belmont Avenue, Indianapolis, Indiana 46221  
Part 70 Permit No.: T097-26253-00032

**Months:** \_\_\_\_\_ **to** \_\_\_\_\_ **Year:** \_\_\_\_\_

Page 1 of 2

<p>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".</p>	
<input type="checkbox"/> NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.	
<input type="checkbox"/> THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD	
<b>Permit Requirement</b> (specify permit condition #)	
<b>Date of Deviation:</b>	<b>Duration of Deviation:</b>
<b>Number of Deviations:</b>	
<b>Probable Cause of Deviation:</b>	
<b>Response Steps Taken:</b>	
<b>Permit Requirement</b> (specify permit condition #)	
<b>Date of Deviation:</b>	<b>Duration of Deviation:</b>
<b>Number of Deviations:</b>	
<b>Probable Cause of Deviation:</b>	
<b>Response Steps Taken:</b>	

Page 2 of 2

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

Form Completed by: \_\_\_\_\_

Title / Position: \_\_\_\_\_

Date: \_\_\_\_\_

Phone: \_\_\_\_\_

Attach a signed certification to complete this report.



# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

*We Protect Hoosiers and Our Environment.*

*Mitchell E. Daniels Jr.*  
**Governor**

*Thomas W. Easterly*  
**Commissioner**

100 North Senate Avenue  
Indianapolis, Indiana 46204  
(317) 232-8603  
Toll Free (800) 451-6027  
[www.idem.IN.gov](http://www.idem.IN.gov)

## **SENT VIA U.S. MAIL: CONFIRMED DELIVERY AND SIGNATURE REQUESTED**

**TO:** Ann W McIver  
Belmont Wastewater Treatment Plant  
2020 N Meridian Street  
Indianapolis, IN 46202

**DATE:** August 5, 2011

**FROM:** Matt Stuckey, Branch Chief  
Permits Branch  
Office of Air Quality

**SUBJECT:** Final Decision  
Administrative Amendment  
097-30734-00032

Enclosed is the final decision and supporting materials for the air permit application referenced above. Please note that this packet contains the original, signed, permit documents.

The final decision is being sent to you because our records indicate that you are the contact person for this application. However, if you are not the appropriate person within your company to receive this document, please forward it to the correct person.

A copy of the final decision and supporting materials has also been sent via standard mail to:  
Lindsay C Lindgrent – VP Water Ops  
OAQ Permits Branch Interested Parties List

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178, or toll-free at 1-800-451-6027 (ext. 3-0178), and ask to speak to the permit reviewer who prepared the permit. If you think you have received this document in error, please contact Joanne Smiddie-Brush of my staff at 1-800-451-6027 (ext 3-0185), or via e-mail at [jbrush@idem.IN.gov](mailto:jbrush@idem.IN.gov).

Final Applicant Cover letter.dot 11/30/07

# Mail Code 61-53

IDEM Staff	GHOTOPP 8/5/2011 Belmont Wastewater Treatment Plant 097-30734-00032 Final		AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING	
Name and address of Sender		Indiana Department of Environmental Management Office of Air Quality – Permits Branch 100 N. Senate Indianapolis, IN 46204	Type of Mail:  <b>CERTIFICATE OF MAILING ONLY</b>	

Line	Article Number	Name, Address, Street and Post Office Address	Postage	Handing Charges	Act. Value (If Registered)	Insured Value	Due Send if COD	R.R. Fee	S.D. Fee	S.H. Fee	Rest. Del. Fee	Remarks
1		Ann W McIver Belmont Wastewater Treatment Plant 2020 N Meridian St Indianapolis IN 46202 (Source CAATS) via confirmed delivery										
2		Lindsay C Lindgren VP - Water Ops Belmont Wastewater Treatment Plant 1220 Waterway Blvd Indianapolis IN 46202 (RO CAATS)										
3		Ms. Suzzette Carter 3534 6th Avenue Indianapolis IN 46221 (Affected Party)										
4		Marion County Health Department 3838 N, Rural St Indianapolis IN 46205-2930 (Health Department)										
5		Diane Henshel 4121 Cadbury Ct. Bloomington IN 47401 (Affected Party)										
6		Mr. Glenn Pratt 8460 Spring Mill Court Indianapolis IN 46260 (Affected Party)										
7		Mrs. Sandra Lee Watson 7834 E 100 S Marion IN 46953 (Affected Party)										
8		Wilie May Cooley 3076 Davis Drive Indianapolis IN 46221 (Affected Party)										
9		Mr. Sam H. Jones 777 Indiana Avenue Indianapolis IN 46204 (Affected Party)										
10		Ms. Angie Nussmeer 200 E. Washington Street, Suite 2460 Indianapolis IN 46204 (Affected Party)										
11		Cornell Burris 4345 Ashbourne Indianapolis IN 46226 (Affected Party)										
12		Mr. Ray Pelton 3509 6th Avenue Indianapolis IN 46221 (Affected Party)										
13		Mr. Robert Frye 3501 Carr Avenue Indianapolis IN 46221 (Affected Party)										
14		Diane Wright 4057 Arborcrest Drive Indianapolis IN 46226 (Affected Party)										
15		Taylor L. Baker 5413 Redberry Ct. Indianapolis IN 46254 (Affected Party)										

Total number of pieces Listed by Sender	Total number of Pieces Received at Post Office	Postmaster, Per (Name of Receiving employee)	The full declaration of value is required on all domestic and international registered mail. The maximum indemnity payable for the reconstruction of nonnegotiable documents under Express Mail document reconstructing insurance is \$50,000 per piece subject to a limit of \$50, 000 per occurrence. The maximum indemnity payable on Express mil merchandise insurance is \$500. The maximum indemnity payable is \$25,000 for registered mail, sent with optional postal insurance. See <b>Domestic Mail Manual R900, S913, and S921</b> for limitations of coverage on inured and COD mail. See <b>International Mail Manual</b> for limitations o coverage on international mail. Special handling charges apply only to Standard Mail (A) and Standard Mail (B) parcels.
<b>14</b>			

# Mail Code 61-53

IDEM Staff	GHOTOPP 8/5/2011 Belmont Wastewater Treatment Plant 097-30734-00032 Final		AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING	
Name and address of Sender		Indiana Department of Environmental Management Office of Air Quality – Permits Branch 100 N. Senate Indianapolis, IN 46204	Type of Mail:  <b>CERTIFICATE OF MAILING ONLY</b>	

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1		Indianapolis City Council and Mayors Office 200 East Washington Street, Room E Indianapolis IN 46204 (Local Official)										
2		Lawrence City Council and Mayors Office 9001 East 59th Street #205 Lawrence IN 46216 (Local Official)										
3		Marion County Commissioners 200 E. Washington St. City County Bldg., Suite 801 Indianapolis IN 46204 (Local Official)										
4		Edward Rhondes 4999 East Stae Rd. 46 Bloomington IN 47401 (Affected Party)										
5		Matt Mosier Office of Sustainability 2700 South Belmont Ave. Administration Bldg. Indianapolis IN 46221 (Local Official)										
6		Mark Zeltwanger 26545 CR 52 Nappanee IN 46550 (Affected Party)										
7												
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10												
11												
12												
13												
14												
15												

Total number of pieces Listed by Sender	Total number of Pieces Received at Post Office	Postmaster, Per (Name of Receiving employee)	The full declaration of value is required on all domestic and international registered mail. The maximum indemnity payable for the reconstruction of nonnegotiable documents under Express Mail document reconstructing insurance is \$50,000 per piece subject to a limit of \$50, 000 per occurrence. The maximum indemnity payable on Express mil merchandise insurance is \$500. The maximum indemnity payable is \$25,000 for registered mail, sent with optional postal insurance. See <b>Domestic Mail Manual R900, S913, and S921</b> for limitations of coverage on inured and COD mail. See <b>International Mail Manual</b> for limitations o coverage on international mail. Special handling charges apply only to Standard Mail (A) and Standard Mail (B) parcels.
<b>6</b>			