**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**

TO: Interested Parties / Applicant

DATE: July 29, 2011

RE: Indiana Institute of Technology / 003-30512-00380

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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Justin Elder
Indiana Institute of Technology
1600 E. Washington Boulevard
Fort Wayne, Indiana 46803

July 29, 2011

Re: 003-30512-00380
First Registration Notice-Only Change to
R003-29017-00380

Dear Mr. Elder:

Indiana Institute of Technology was issued Registration No. R003-29017-00380 on April 1, 2010 for a stationary source that operates natural gas-fired heaters and boilers at an existing college, located at 1600 E. Washington Boulevard, Fort Wayne, Indiana. On May 5, 2011, the Office of Air Quality (OAQ) received an application from the source relating to the replacement of a natural gas-fired boiler with a new natural gas-fired boiler, as well as the addition of ten natural gas-fired water heaters and ten (1) natural gas-fired furnaces in the new dormitory. This change will not result in an increase of actual emissions. Therefore, this change to the registration is considered a notice-only change pursuant to 326 IAC 2-5.5-6(d)(11).

The new natural gas-fired boiler, identified as SCH-B3, is not subject to the New Source Performance Standard (NSPS) for Small Industrial-Commercial-Institutional Steam Generating Units (40 CFR 60, Subpart Dc) because the maximum heat input capacity is less than ten (10) MMBtu per hour.

Pursuant to 326 IAC 2-5.5-6, the registration is hereby revised as follows, with deleted language as ~~strikeouts~~ and new language **bolded**:

A.2 Emission Units and Pollution Control Equipment Summary

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

(a) One (1) natural gas-fired boiler, identified as SCH-B4, with a maximum heat input capacity of 0.10 MMBtu per hour, constructed in 1993, located in the Schaefer building, exhausting to stack SCH-B4-S.

~~(b) One (1) natural gas-fired boiler, identified as SCH-B3, with a maximum heat input capacity of 1.20 MMBtu per hour, constructed in 1989, located in the Schaefer building, exhausting to stack SCH-B3-S.~~

**(b) One (1) natural gas-fired boiler, identified as SCH-B3, with a maximum heat input capacity of 0.19 MMBtu per hour, approved for construction in 2011, located in the Schaefer building, exhausting to stack SCH-B3-S.**

...

**(ee) Ten (10) natural gas-fired water heaters, identified as WRB-WH1 through WRB-WH10, with a maximum heat input capacity of 0.15 MMBtu per hour, each, approved for construction in 2011, located in the Warrior Row B building, exhausting to vents WRB-WH1V through WRB-WH10V, respectively.**

**(ff) Four (4) natural gas-fired furnaces, identified as WRB-F1 through WRB-F3 and WRB-F10, with a maximum heat input capacity of 0.08 MMBtu per hour, each,**

**approved for construction in 2011, located in the Warrior Row B building, exhausting to vents WRB-F1V through WRB-F3V and WRB-F10V, respectively.**

**(gg) Six (6) natural gas-fired furnaces, identified as WRB-F4 through WRB-F9, with a maximum heat input capacity of 0.06 MMBtu per hour, each, approved for construction in 2011, located in the Warrior Row B building, exhausting to vents WRB-F4V through WRB-F9V, respectively.**

SECTION D.1 OPERATION CONDITIONS

Facility Description [326 IAC 2-5.1-2(f)(2)] [326 IAC 2-5.5-4(a)(2)]:

(a) One (1) natural gas-fired boiler, identified as SCH-B4, with a maximum heat input capacity of 0.10 MMBtu per hour, constructed in 1993, located in the Schaefer building, exhausting to stack SCH-B4-S.

~~(b) One (1) natural gas-fired boiler, identified as SCH-B3, with a maximum heat input capacity of 1.20 MMBtu per hour, constructed in 1989, located in the Schaefer building, exhausting to stack SCH-B3-S.~~

**(b) One (1) natural gas-fired boiler, identified as SCH-B3, with a maximum heat input capacity of 0.19 MMBtu per hour, approved for construction in 2011, located in the Schaefer building, exhausting to stack SCH-B3-S.**

...

D.1.1 Particulate Emission Limitations [326 IAC 6-2-4]

Pursuant to 326 IAC 6-2-4(a), particulate emissions from indirect heating facilities constructed after September 21, 1983, shall be limited to the following:

$$Pt = 1.09/Q^{0.26}$$

where:

Pt = pounds of particulate matter (PM) emitted per MMBtu heat input
Q = Total source maximum operating capacity rating in million British thermal units per hour (MMBtu/hr) heat input.

| Year Constructed | Unit Descriptions | Pt |
|---|---|---|
| 1989 | SCH-B1, SCH-B2, ~~SCH-B3~~ | 0.6 |
| 1993 | SCH-B4 | 0.6 |
| 2000 | AB-B1, PIE-B1 through PIE-B10 | 0.59 |
| 2001 | ZOL-B1, ZOL-B2, and ZOL-B3 | 0.56 |
| 2003 | AB-WH1, AN-B1, AN-B2, AN-AHU1 through AN-AHU4, YR-B1 through YR-B12 | 0.52 |
| 2004 | AN-WH1, AN-WH2, YR-WH1 through YR-WH13 | 0.51 |
| 2006 | CUN-B1 through CUN-B4 | 0.50 |
| 2008 | KAL-WH1 | 0.50 |
| 2010 | AC-WH1, WR-WH1 through WR-WH7, WR-B1 through B7 | 0.49 |
| **2011** | **SCH-B3** | **0.49** |

IDEM, OAQ has decided to make additional revisions to the registration as described below. The registration has been revised as follows with deleted language as ~~strikeouts~~ and new language **bolded**:

1. IDEM, OAQ has decided to remove all references to the source mailing address. IDEM, OAQ will continue to maintain records of the mailing address. Section A.1 of the registration and the reporting forms has been revised as follows:

   Mailing Address: ~~1600 E. Washington Blvd., Fort Wayne, IN 46803~~

The source shall continue to operate according to 326 IAC 2-5.5. Please find enclosed the revised registration. A copy of the registration is available on the Internet at: http://www.in.gov/ai/appfiles/idem-caats/. For additional information about air permits and how the public and interested parties can participate, refer to the IDEM's Guide for Citizen Participation and Permit Guide on the Internet at: www.idem.in.gov

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 Summer Keown, at (800) 451-6027, press 0 and ask for Summer Keown or extension 4-5175, or dial (317) 234-5175.

Sincerely,

Alfred C. Dumaual, Ph. D., Section Chief
Permits Branch
Office of Air Quality

ACD/SJK

Attachment: Revised Registration

cc: File - Allen County
Allen County Health Department
Compliance and Enforcement Branch
Billing, Licensing and Training Section

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# REGISTRATION
# OFFICE OF AIR QUALITY

## Indiana Institute of Technology
## 1600 E. Washington Blvd.
## Fort Wayne, Indiana 46803

Pursuant to 326 IAC 2-5.1 (Construction of New Sources: Registrations) and 326 IAC 2-5.5 (Registrations), (herein known as the Registrant) is hereby authorized to construct and operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this registration.

| Registration No. R003-29017-00380 | |
|---|---|
| *Original issued/signed by:*<br><br>Alfred C. Dumaual, Ph. D., Section Chief<br>Permits Branch<br>Office of Air Quality | Issuance Date: April 1, 2010 |

| First Registration Notice-Only Change No. 003-30512-00380 | |
|---|---|
| Issued by:<br><br>Alfred C. Dumaual, Ph. D., Section Chief<br>Permits Branch<br>Office of Air Quality | Issuance Date:<br>July 29, 2011 |

## SECTION A SOURCE SUMMARY

This registration is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the source contained in conditions A.1 and A.2 is descriptive information and does not constitute enforceable conditions. However, the Registrant 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 Registrant to obtain additional permits pursuant to 326 IAC 2.

### A.1 General Information

The Registrant owns and operates natural gas-fired heaters and boilers at an existing college.

| | |
|---|---|
| Source Address: | 1600 E. Washington Blvd., Fort Wayne, IN 46803 |
| General Source Phone Number: | (260) 422-5561 |
| SIC Code: | 8221 |
| County Location: | Allen County |
| Source Location Status: | Attainment for all criteria pollutants |
| Source Status: | Registration |

### A.2 Emission Units and Pollution Control Equipment Summary

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

(a) One (1) natural gas-fired boiler, identified as SCH-B4, with a maximum heat input capacity of 0.10 MMBtu per hour, constructed in 1993, located in the Schaefer building, exhausting to stack SCH-B4-S.

(b) One (1) natural gas-fired boiler, identified as SCH-B3, with a maximum heat input capacity of 0.19 MMBtu per hour, approved for construction in 2011, located in the Schaefer building, exhausting to stack SCH-B3-S.

(c) Two (2) natural gas-fired boilers, identified as SCH-B1 and SCH-B2, with a maximum heat input capacity of 1.0 MMBtu per hour, each, constructed in 1989, located in the Schaefer building, exhausting to stacks SCH-B1-S and SCH-B2-S, respectively.

(d) Natural gas-fired kitchen equipment, identified as AN-KIT, with a maximum heat input capacity of 1.03 MMBtu per hour, located in the Kitchen, exhausting to vent AN-KIT-V.

(e) One (1) natural gas-fired boiler, identified as AB-B1, with a maximum heat input capacity of 0.65 MMBtu per hour, constructed in 2000, located in the Abbott building, exhausting to stack AB-B1-S.

(f) Two (2) natural gas-fired boilers, identified as PIE-B1 and PIE-B2, with a maximum heat input capacity of 2.05 MMBtu per hour, each, constructed in 2000, located in the Pierson building, exhausting to stacks PIE-B1-S and PIE-B2-S, respectively.

(g) Eight (8) natural gas-fired boilers, identified as PIE-B3, PIE-B4, PIE-B5, PIE-B6, PIE-B7, PIE-B8, PIE-B9 and PIE-B10, with a maximum heat input capacity of 0.30 MMBtu per hour, each, constructed in 2000, located in the Pierson building, exhausting to vents PIE-B3-V, PIE-B4-V, PIE-B5-V, PIE-B6-V, PIE-B7-V, PIE-B8-V, PIE-B9-V, and PIE-B10-V, respectively.

(h) One (1) natural gas-fired boiler, identified as ZOL-B3, with a maximum heat input capacity of 0.40 MMBtu per hour, constructed in 2001, located in the Zollner building, exhausting to stack ZOL-B123-S.

(i) Two (2) natural gas-fired boilers, identified as ZOL-B1 and ZOL-B2, with a maximum heat input capacity of 1.06 MMBtu per hour, constructed in 2001, located in the Zollner building, both exhausting to stack ZOL-B123-S.

(j) One (1) natural gas-fired water heater, identified as AB-WH1, with a maximum heat input capacity of 0.08 MMBtu per hour, constructed in 2003, located in the Abbott building, exhausting to stack AB-WH1-S.

(k) Two (2) natural gas-fired boilers, identified as AN-B1 and AN-B2, with a maximum heat input capacity of 1.20 MMBtu per hour, each, constructed in 2003, located in the Andorfer building, both exhausting to stack AN-B1-B2-S.

(l) Three (3) natural gas-fired boilers, identified as AN-AHU1, AN-AHU2, and AN-AHU4, with a maximum heat input capacity of 0.48 MMBtu per hour, each, constructed in 2003, located in the Andorfer building, exhausting to vents An-AHU1-V, AN-AHU2-V, and AN-AHU4-V, respectively.

(m) One (1) natural gas-fired boiler, identified as AN-AHU3, with a maximum heat input capacity of 0.14 MMBtu per hour, constructed in 2003, located in the Andorfer building, exhausting to stack AN-AHU3-V.

(n) One (1) natural gas-fired make-up air unit, identified as AN-MAU1, with a maximum heat input capacity of 0.80 MMBtu per hour, constructed in 2003, located in the Andorfer building, exhausting to vent AN-MAU1-V.

(o) Twelve (12) natural gas-fired boilers, identified as YR-B1 through YR-B12, with a maximum heat input capacity of 0.06 MMBtu per hour, each, constructed in 2003, located in the Yergens-Rogers building, exhausting to vents YR-B1-V through YR-B4-V and stacks YR-B5-S through YR-B12-S, respectively.

(p) Two (2) natural gas-fired water heaters, identified as AN-WH1 and AN-WH2, with a maximum heat input capacity of 0.24 MMBtu per hour, constructed in 2004, located in the Andorfer building, exhausting to vents AN-WH1-V and AN-WH2-V, respectively.

(q) One (1) natural gas-fired boiler, identified as CUN-B1, with a maximum heat input capacity of 0.23 MMBtu per hour, constructed in 2004, located in the Cunningham building, exhausting to vent CUN-B1-V.

(r) Thirteen (13) natural gas-fired water heaters, identified as YR-WH1 through YR-WH13, with a maximum heat input capacity of 0.04 MMBtu per hour, each, constructed in 2004, located in the Yergens-Rogers building, exhausting to stack YR-WH1-S, vents YR-WH2-V through YR-WH5-V, and stacks YR-WH6-S through YR-WH13-S, respectively.

(s) Three (3) natural gas-fired boilers, identified as CUN-B2, CUN-B3 and CUN-B4, with a maximum heat input capacity of 0.31 MMBtu per hour, each, constructed in 2006, located in the Cunningham building, exhausting to vents CUN-B2-V, CUN-B3-V, and CUN-B4-V, respectively.

(t) Two (2) natural gas-fired roof top units, identified as CUN-RTU1 and CUN-RTU2, with a maximum heat input capacity of 0.80 MMBtu per hour, each, constructed in 2006, located in the Cunningham building, exhausting to vents CUN-RTU1-V and CUN-RTU2-V, respectively.

(u) One (1) natural gas-fired make-up air unit, identified as ZOL-MAU1, with a maximum heat input capacity of 0.60 MMBtu per hour, constructed in 2007, located in the Zollner building, exhausting to vent ZOL-MAU1-V.

(v) One (1) natural gas-fired roof top unit, identified as WF-RTU1, with a maximum heat input capacity of 0.20 MMBtu per hour, constructed in 2007, located in the Warrior Fieldhouse, exhausting to vent WF-RTU1-V.

(w) Two (2) natural gas-fired roof top units, identified as WF-RTU2 and WF-RTU4, with a maximum heat input capacity of 0.08 MMBtu per hour, each, constructed in 2007, located in the Warrior Fieldhouse, exhausting to vents WF-RTU2-V and WF-RTU4-V, respectively.

(x) Two (2) natural gas-fired roof top units, identified as WF-RTU3 and WF-RTU5, with a maximum heat input capacity of 0.25 MMBtu per hour, each, constructed in 2007, located in the Warrior Fieldhouse, exhausting to vents WF-RTU3-V and WF-RTU5-V, respectively.

(y) Two (2) natural gas-fired roof top units, identified as WF-RTU6 and WF-RTU7, with a maximum heat input capacity of 0.35 MMBtu per hour, each, constructed in 2007, located in the Warrior Fieldhouse, exhausting to vents WF-RTU6-V and WF-RTU7-V, respectively.

(z) One (1) natural gas-fired water heater, identified as KAL-WH1, with a maximum heat input capacity of 0.20 MMBtu per hour, constructed in 2008, located in the Basement, exhausting to stack KAL-WH1-S.

(aa) One (1) natural gas-fired water heater, identified as AC-WH1, with a maximum heat input capacity of 0.25 MMBtu per hour, approved for construction in 2010, located in the Athletic Center, exhausting to vent AC-WH1V.

(bb) Seven (7) natural gas-fired water heaters, identified as WR-WH1 through WR-WH6, with a maximum heat input capacity of 0.15 MMBtu per hour, each, approved for construction in 2010, located in the Warrior Row building, exhausting to vents WR-WH1V through WR-WH6V, respectively.

(cc) Three (3) natural gas-fired boilers, identified as WR-B1 through WR-B3, with a maximum heat input capacity of 0.08 MMBtu per hour, each, approved for construction in 2010, located in the Warrior Row building, exhausting to vents WR-B1V through WR-B3V, respectively.

(dd) Four (4) natural gas-fired boilers, identified as WR-B4 through WR-B7, with a maximum heat input capacity of 0.06 MMBtu per hour, each, approved for construction in 2010, located in the Warrior Row building, exhausting to vents WR-B4V through WR-B7, respectively.

(ee) Ten (10) natural gas-fired water heaters, identified as WRB-WH1 through WRB-WH10, with a maximum heat input capacity of 0.15 MMBtu per hour, each, approved for construction in 2011, located in the Warrior Row B building, exhausting to vents WRB-WH1V through WRB-WH10V, respectively.

(ff) Four (4) natural gas-fired furnaces, identified as WRB-F1 through WRB-F3 and WRB-F10, with a maximum heat input capacity of 0.08 MMBtu per hour, each, approved for construction in 2011, located in the Warrior Row B building, exhausting to vents WRB-F1V through WRB-F3V and WRB-F10V, respectively.

(gg) Six (6) natural gas-fired furnaces, identified as WRB-F4 through WRB-F9, with a maximum heat input capacity of 0.06 MMBtu per hour, each, approved for construction in 2011, located in the Warrior Row B building, exhausting to vents WRB-F4V through WRB-F9V, respectively.

## SECTION B GENERAL CONDITIONS

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

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

### B.2 Effective Date of Registration [IC 13-15-5-3]

Pursuant to IC 13-15-5-3, this registration is effective immediately, unless a petition for stay of effectiveness is filed and granted according to IC 13-15-6-3, and may be revoked or modified in accordance with the provisions of IC 13-15-7-1.

### B.3 Registration Revocation [326 IAC 2-1.1-9]

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

(a) Violation of any conditions of this registration.

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

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

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

### B.4 Prior Permits Superseded [326 IAC 2-1.1-9.5]

(a) All terms and conditions of permits established prior to Registration No. R003-29017-00380 and issued pursuant to permitting programs approved into the state implementation plan have been either:

(1) incorporated as originally stated,

(2) revised, or

(3) deleted.

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

### B.5 Annual Notification [326 IAC 2-5.1-2(f)(3)] [326 IAC 2-5.5-4(a)(3)]

Pursuant to 326 IAC 2-5.1-2(f)(3) and 326 IAC 2-5.5-4(a)(3):

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

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

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

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

B.6 Source Modification Requirement [326 IAC 2-5.5-6(a)]

Pursuant to 326 IAC 2-5.5-6(a), an application or notification shall be submitted in accordance with 326 IAC 2 to the Office of Air Quality (OAQ) if the source proposes to construct new emission units, modify existing emission units, or otherwise modify the source.

B.7 Registrations [326 IAC 2-5.1-2(i)]

Pursuant to 326 IAC 2-5.1-2(i), this registration does not limit the source's potential to emit.

B.8 Preventive Maintenance Plan [326 IAC 1-6-3]

(a) If required by specific condition(s) in Section D of this permit, the Registrant shall prepare and maintain Preventive Maintenance Plans (PMPs) no later than ninety (90) days after issuance of this permit or ninety (90) days after initial start-up, whichever is later, 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.

The Permittee shall implement the PMPs.

If, due to circumstances beyond the Registrant's control, the PMPs cannot be prepared and maintained within the above time frame, the Registrant may extend the date an additional ninety (90) days provided the Registrant notifies:

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

(b) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Registrant to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions.

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

**SECTION C SOURCE OPERATION CONDITIONS**

Entire Source

**Emission Limitations and Standards [326 IAC 2-5.1-2(g)] [326 IAC 2-5.5-4(b)]**

C.1 Opacity [326 IAC 5-1]

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

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

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

C.2 Fugitive Dust Emissions [326 IAC 6-4]

The Registrant 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).

**SECTION D.1 OPERATION CONDITIONS**

Facility Description [326 IAC 2-5.1-2(f)(2)] [326 IAC 2-5.5-4(a)(2)]:

(a) One (1) natural gas-fired boiler, identified as SCH-B4, with a maximum heat input capacity of 0.10 MMBtu per hour, constructed in 1993, located in the Schaefer building, exhausting to stack SCH-B4-S.

(b) One (1) natural gas-fired boiler, identified as SCH-B3, with a maximum heat input capacity of 0.19 MMBtu per hour, approved for construction in 2011, located in the Schaefer building, exhausting to stack SCH-B3-S.

(c) Two (2) natural gas-fired boilers, identified as SCH-B1 and SCH-B2, with a maximum heat input capacity of 1.0 MMBtu per hour, each, constructed in 1989, located in the Schaefer building, exhausting to stacks SCH-B1-S and SCH-B2-S, respectively.

(e) One (1) natural gas-fired boiler, identified as AB-B1, with a maximum heat input capacity of 0.65 MMBtu per hour, constructed in 2000, located in the Abbott building, exhausting to stack AB-B1-S.

(f) Two (2) natural gas-fired boilers, identified as PIE-B1 and PIE-B2, with a maximum heat input capacity of 2.05 MMBtu per hour, each, constructed in 2000, located in the Pierson building, exhausting to stacks PIE-B1-S and PIE-B2-S, respectively.

(g) Eight (8) natural gas-fired boilers, identified as PIE-B3, PIE-B4, PIE-B5, PIE-B6, PIE-B7, PIE-B8, PIE-B9 and PIE-B10, with a maximum heat input capacity of 0.30 MMBtu per hour, each, constructed in 2000, located in the Pierson building, exhausting to vents PIE-B3-V, PIE-B4-V, PIE-B5-V, PIE-B6-V, PIE-B7-V, PIE-B8-V, PIE-B9-V, and PIE-B10-V, respectively.

(h) One (1) natural gas-fired boiler, identified as ZOL-B3, with a maximum heat input capacity of 0.40 MMBtu per hour, constructed in 2001, located in the Zollner building, exhausting to stack ZOL-B123-S.

(i) Two (2) natural gas-fired boilers, identified as ZOL-B1 and ZOL-B2, with a maximum heat input capacity of 1.06 MMBtu per hour, constructed in 2001, located in the Zollner building, both exhausting to stack ZOL-B123-S.

(j) One (1) natural gas-fired water heater, identified as AB-WH1, with a maximum heat input capacity of 0.08 MMBtu per hour, constructed in 2003, located in the Abbott building, exhausting to stack AB-WH1-S.

(k) Two (2) natural gas-fired boilers, identified as AN-B1 and AN-B2, with a maximum heat input capacity of 1.20 MMBtu per hour, each, constructed in 2003, located in the Andorfer building, both exhausting to stack AN-B1-B2-S.

(l) Three (3) natural gas-fired boilers, identified as AN-AHU1, AN-AHU2, and AN-AHU4, with a maximum heat input capacity of 0.48 MMBtu per hour, each, constructed in 2003, located in the Andorfer building, exhausting to vents An-AHU1-V, AN-AHU2-V, and AN-AHU4-V, respectively.

(m) One (1) natural gas-fired boiler, identified as AN-AHU3, with a maximum heat input capacity of 0.14 MMBtu per hour, constructed in 2003, located in the Andorfer building, exhausting to stack AN-AHU3-V.

(o) Twelve (12) natural gas-fired boilers, identifie as YR-B1 through YR-B12, with a maximum heat input capacity of 0.06 MMBtu per hour, each, constructed in 2003, located in the Yergens-Rogers building, exhausting to vents YR-B1-V through YR-B4-V and stacks YR-B5-S through YR-B12-S, respectively.

(p) Two (2) natural gas-fired water heaters, identified as AN-WH1 and AN-WH2, with a maximum heat input capacity of 0.24 MMBtu per hour, constructed in 2004, located in the Andorfer building, exhausting to vents AN-WH1-V and AN-WH2-V, respectively.

(q) One (1) natural gas-fired boiler, identified as CUN-B1, with a maximum heat input capacity of 0.23 MMBtu per hour, constructed in 2004, located in the Cunningham building, exhausting to vent CUN-B1-V.

(r) Thirteen (13) natural gas-fired water heaters, identified as YR-WH1 through YR-WH13, with a maximum heat input capacity of 0.04 MMBtu per hour, each, constructed in 2004, located in the Yergens-Rogers building, exhausting to stack YR-WH1-S, vents YR-WH2-V through YR-WH5-V, and stacks YR-WH6-S through YR-WH13-S, respectively.

(s) Three (3) natural gas-fired boilers, identified as CUN-B2, CUN-B3 and CUN-B4, with a maximum heat input capacity of 0.31 MMBtu per hour, each, constructed in 2006, located in the Cunningham building, exhausting to vents CUN-B2-V, CUN-B3-V, and CUN-B4-V, respectively.

(z) One (1) natural gas-fired water heater, identified as KAL-WH1, with a maximum heat input capacity of 0.20 MMBtu per hour, constructed in 2008, located in the Basement, exhausting to stack KAL-WH1-S.

(aa) One (1) natural gas-fired water heater, identified as AC-WH1, with a maximum heat input capacity of 0.25 MMBtu per hour, approved for construction in 2010, located in the Athletic Center, exhausting to vent AC-WH1V.

(bb) Seven (7) natural gas-fired water heaters, identified as WR-WH1 through WR-WH6, with a maximum heat input capacity of 0.15 MMBtu per hour, each, approved for construction in 2010, located in the Warrior Row building, exhausting to vents WR-WH1V through WR-WH6V, respectively.

(cc) Three (3) natural gas-fired boilers, identified as WR-B1 through WR-B3, with a maximum heat input capacity of 0.08 MMBtu per hour, each, approved for construction in 2010, located in the Warrior Row building, exhausting to vents WR-B1V through WR-B3V, respectively.

(dd) Four (4) natural gas-fired boilers, identified as WR-B4 through WR-B7, with a maximum heat input capacity of 0.06 MMBtu per hour, each, approved for construction in 2010, located in the Warrior Row building, exhausting to vents WR-B4V through WR-B7, respectively.

(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 2-5.1-2(f)(1)] [326 IAC 2-5.5-4(a)(1)]**

D.1.1 Particulate Emission Limitations [326 IAC 6-2-4]

Pursuant to 326 IAC 6-2-4(a), particulate emissions from indirect heating facilities constructed after September 21, 1983, shall be limited to the following:

$$Pt = 1.09/Q^{0.26}$$

where:

Pt = pounds of particulate matter (PM) emitted per MMBtu heat input
Q = Total source maximum operating capacity rating in million British thermal units per hour (MMBtu/hr) heat input.

| Year Constructed | Unit Descriptions | Pt |
|---|---|---|
| 1989 | SCH-B1, SCH-B2 | 0.6 |
| 1993 | SCH-B4 | 0.6 |
| 2000 | AB-B1, PIE-B1 through PIE-B10 | 0.59 |
| 2001 | ZOL-B1, ZOL-B2, and ZOL-B3 | 0.56 |
| 2003 | AB-WH1, AN-B1, AN-B2, AN-AHU1 through AN-AHU4, YR-B1 through YR-B12 | 0.52 |
| 2004 | AN-WH1, AN-WH2, YR-WH1 through YR-WH13 | 0.51 |
| 2006 | CUN-B1 through CUN-B4 | 0.50 |
| 2008 | KAL-WH1 | 0.50 |
| 2010 | AC-WH1, WR-WH1 through WR-WH7, WR-B1 through B7 | 0.49 |
| 2011 | SCH-B3 | 0.49 |

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT**
**OFFICE OF AIR QUALITY**
**COMPLIANCE AND ENFORCEMENT BRANCH**

**REGISTRATION**
**ANNUAL NOTIFICATION**

This form should be used to comply with the notification requirements under 326 IAC 2-5.1-2(f)(3) and 326 IAC 2-5.5-4(a)(3).

| | |
|---|---|
| **Company Name:** | Indiana Institute of Technology |
| **Address:** | 1600 E. Washington Blvd. |
| **City:** | Fort Wayne, Indiana 46803 |
| **Phone Number:** | (260) 422-5561 |
| **Registration No.:** | R003-29017-00380 |

I hereby certify that Indiana Institute of Technology is :
☐ still in operation.
☐ no longer in operation.

I hereby certify that Indiana Institute of Technology is :
☐ in compliance with the requirements of Registration No. R003-29017-00380.
☐ not in compliance with the requirements of Registration No. R003-29017-00380.

| |
|---|
| **Authorized Individual (typed):** |
| **Title:** |
| **Signature:** |
| **Phone Number:** |
| **Date:** |

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

| |
|---|
| **Noncompliance:** |
| |
| |
| |
| |

**Appendix A: Emissions Calculations**
**Summary**

**Company Name:** Indiana Institute of Technology
**Address City IN Zip:** 1600 E. Washington Blvd., Fort Wayne, IN 46803
**Notice-Only Change No.:** 003-30512-00380
**Reviewer:** Summer Keown
**Date:** July 22, 2011

**Uncontrolled Potential to Emit (tons/year)**

| Emissions Unit | PM | PM10 | PM2.5 | $SO_2$ | NOx | VOC | CO | CO2e | Single HAP | Total HAPs |
|---|---|---|---|---|---|---|---|---|---|---|
| Natural Gas Combustion | 0.24 | 0.95 | 0.95 | 0.08 | 12.54 | 0.69 | 10.54 | 15143.34 | 0.22 (hexane) | 0.24 |
| **Total** | **0.24** | **0.95** | **0.95** | **0.08** | **12.54** | **0.69** | **10.54** | **15143.34** | **0.22 (hexane)** | **0.24** |

**Appendix A: Emissions Calculations**
**Natural Gas Combustion Only**

**Company Name:** Indiana Institute of Technology
**Address City IN Zip:** 1600 E. Washington Blvd., Fort Wayne, IN 46803
**Permit Number:** 003-30512-00380
**Reviewer:** Summer Keown
**Date:** July 22, 2011

| Location | Unit ID | Equipment | Installation Date | Capacity (MMBtu/hr) |
|---|---|---|---|---|
| Sprinkler Room | AB-B1 | Bryan Boiler | 2000 | 0.65 |
| Sprinkler Room | AB-WH1 | A.O.Smith Water Heater | 2003 | 0.08 |
| Penthouse | AN-B1 | Bryan Boiler - B1 | 2003 | 1.20 |
| Penthouse | AN-B2 | Bryan Boiler - B2 | 2003 | 1.20 |
| Penthouse | AN-AHU2 | Trane AHU - 2 | 2003 | 0.48 |
| Penthouse | AN-AHU3 | Trane AHU - 3 | 2003 | 0.14 |
| Penthouse | AN-AHU4 | Trane AHU - 4 | 2003 | 0.48 |
| Basement (023) | AN-AHU1 | Trane AHU - 1 | 2003 | 0.48 |
| Basement (023) | AN-WH1 | A.O. Smith Water Heater - 1 | 2004 | 0.24 |
| Basement (023) | AN-WH2 | A.O. Smith Water Heater - 2 | 2004 | 0.24 |
| Lower Roof | AN-MAU1 | Reznor MAU | 2003 | 0.80 |
| Kitchen | AN-KIT | Kitchen Equipment (All) | N/A | 1.03 |
| Mech Room | AC-WH1 | Cyclone XI #250 | 2010 | 0.25 |
| Mech Room | CUN-B1 | Weil-McClain Boiler - P-1 | 2004 | 0.23 |
| Mech Room | CUN-B2 | Weil-McClain Boiler - P-2 | 2006 | 0.31 |
| Mech Room | CUN-B3 | Weil-McClain Boiler - P-3 | 2006 | 0.31 |
| Mech Room | CUN-B4 | Weil-McClain Boiler - P-4 | 2006 | 0.31 |
| East Roof | CUN-RTU1 | Trane RTU | 2006 | 0.80 |
| West Roof | CUN-RTU2 | Trane RTU | 2006 | 0.80 |
| Basement | KAL-WH1 | State Water Heater | 2008 | 0.20 |
| Basement (006) | PIE-B1 | Ajax Boiler - B1 | 2000 | 2.05 |
| Basement (006) | PIE-B2 | Ajax Boiler - B2 | 2000 | 2.05 |
| E-109 | PIE-B3 | Lochnivar Boiler | 2000 | 0.30 |
| W-109 | PIE-B4 | Lochnivar Boiler | 2000 | 0.30 |
| E-209 | PIE-B5 | Lochnivar Boiler | 2000 | 0.30 |
| W-209 | PIE-B6 | Lochnivar Boiler | 2000 | 0.30 |
| E-309 | PIE-B7 | Lochnivar Boiler | 2000 | 0.30 |
| W-309 | PIE-B8 | Lochnivar Boiler | 2000 | 0.30 |
| E-409 | PIE-B9 | Lochnivar Boiler | 2000 | 0.30 |
| W-409 | PIE-B10 | Lochnivar Boiler | 2000 | 0.30 |
| Mech Room | SCH-B3 | A.O. Smith Boiler - B3 | 2010 | 0.19 |
| Mech Room | SCH-B2 | Rite Boiler - B2 | 1989 | 1.00 |
| Mech Room | SCH-B1 | Rite Boiler - B1 | 1989 | 1.00 |
| Mech Room | SCH-B4 | Trane Boiler | 1993 | 0.10 |
| Roof Top | WF-RTU1 | Trane RTU - 1 | 2007 | 0.20 |
| Roof Top | WF-RTU2 | Trane RTU - 2 | 2007 | 0.08 |
| Roof Top | WF-RTU3 | Trane RTU - 3 | 2007 | 0.25 |
| Roof Top | WF-RTU4 | Trane RTU - 4 | 2007 | 0.08 |
| Roof Top | WF-RTU5 | Trane RTU - 5 | 2007 | 0.25 |
| Roof Top | WF-RTU6 | Trane RTU - 6 | 2007 | 0.35 |
| Roof Top | WF-RTU7 | Trane RTU - 7 | 2007 | 0.35 |
| 105A | WR-WH1 | Navien NR-240 | 2010 | 0.15 |
| 105A | WR-B1 | Bryant 355CAV060080 | 2010 | 0.08 |
| 105B | WR-WH2 | Navien NR-240 | 2010 | 0.15 |
| 105B | WR-B2 | Bryant 355CAV060080 | 2010 | 0.08 |
| 105C | WR-WH3 | Navien NR-240 | 2010 | 0.15 |
| 105C | WR-B3 | Bryant 355CAV060080 | 2010 | 0.08 |
| 105D | WR-WH4 | Navien NR-240 | 2010 | 0.15 |
| 105D | WR-B4 | Bryant 355CAV042060 | 2010 | 0.06 |
| 105E | WR-WH5 | Navien NR-240 | 2010 | 0.15 |
| 105E | WR-B5 | Bryant 355CAV042060 | 2010 | 0.06 |
| 105F | WR-WH6 | Navien NR-240 | 2010 | 0.15 |
| 105F | WR-B6 | Bryant 355CAV042060 | 2010 | 0.06 |
| 105G | WR-WH7 | Navien NR-240 | 2010 | 0.15 |
| 105G | WR-B7 | Bryant 355CAV042060 | 2010 | 0.06 |
| 101A | WRB-WH1 | Navien NR-240 | 2011 | 0.15 |
| 101A | WRB-F1 | Carrier | 2011 | 0.08 |
| 102B | WRB-WH2 | Navien NR-240 | 2011 | 0.15 |
| 102B | WRB-F2 | Carrier | 2011 | 0.08 |
| 103C | WRB-WH3 | Navien NR-240 | 2011 | 0.15 |
| 103C | WRB-F3 | Carrier | 2011 | 0.08 |
| 104D | WRB-WH4 | Navien NR-240 | 2011 | 0.15 |
| 104D | WRB-F4 | Carrier | 2011 | 0.06 |
| 105E | WRB-WH5 | Navien NR-240 | 2011 | 0.15 |
| 105E | WRB-F5 | Carrier | 2011 | 0.06 |
| 106F | WRB-WH6 | Navien NR-240 | 2011 | 0.15 |
| 106F | WRB-F6 | Carrier | 2011 | 0.06 |
| 107G | WRB-WH7 | Navien NR-240 | 2011 | 0.15 |
| 107G | WRB-F7 | Carrier | 2011 | 0.06 |
| 108F | WRB-WH8 | Navien NR-240 | 2011 | 0.15 |
| 108F | WRB-F8 | Carrier | 2011 | 0.06 |
| 109I | WRB-WH9 | Navien NR-240 | 2011 | 0.15 |
| 109I | WRB-F9 | Carrier | 2011 | 0.06 |
| 110J | WRB-WH10 | Navien NR-240 | 2011 | 0.15 |
| 110J | WRB-F10 | Carrier | 2011 | 0.08 |
| 3rd Floor Mech Ro | YR-WH1 | State Water Heater | 2004 | 0.04 |
| 1A | YR-WH2 | State Water Heater | 2004 | 0.04 |
| 1A | YR-B1 | Trane Boiler | 2003 | 0.06 |
| 1B | YR-WH3 | State Water Heater | 2004 | 0.04 |
| 1B | YR-B2 | Trane Boiler | 2003 | 0.06 |
| 1C | YR-WH4 | State Water Heater | 2004 | 0.04 |
| 1C | YR-B3 | Trane Boiler | 2003 | 0.06 |
| 1D | YR-WH5 | State Water Heater | 2004 | 0.04 |
| 1D | YR-B4 | Trane Boiler | 2003 | 0.06 |
| 2A | YR-WH6 | State Water Heater | 2004 | 0.04 |
| 2A | YR-B5 | Trane Boiler | 2003 | 0.06 |
| 2B | YR-WH7 | State Water Heater | 2004 | 0.04 |
| 2B | YR-B6 | Trane Boiler | 2003 | 0.06 |
| 2C | YR-WH8 | State Water Heater | 2004 | 0.04 |
| 2C | YR-B7 | Trane Boiler | 2003 | 0.06 |
| 2D | YR-WH9 | State Water Heater | 2004 | 0.04 |
| 2D | YR-B8 | Trane Boiler | 2003 | 0.06 |
| 3A | YR-WH10 | State Water Heater | 2004 | 0.04 |
| 3A | YR-B9 | Trane Boiler | 2003 | 0.06 |
| 3B | YR-WH11 | State Water Heater | 2004 | 0.04 |
| 3B | YR-B10 | Trane Boiler | 2003 | 0.06 |
| 3C | YR-WH12 | State Water Heater | 2004 | 0.04 |
| 3C | YR-B11 | Trane Boiler | 2003 | 0.06 |
| 3D | YR-WH13 | State Water Heater | 2004 | 0.04 |
| 3D | YR-B12 | Trane Boiler | 2003 | 0.06 |
| Mech Room | ZOL-B3 | Lochnivar Boiler | 2001 | 0.40 |
| Mech Room | ZOL-B1 | Lochnivar Boiler -B1 | 2001 | 1.06 |
| Mech Room | ZOL-B2 | Lochnivar Boiler -B2 | 2001 | 1.06 |
| Outside South | ZOL-MAU1 | Engineered Air MAU | 2007 | 0.60 |
| | | | | **28.64** |

| Heat Input Capacity MMBtu/hr | HHV mmBtu / mmscf | Potential Throughput MMCF/yr |
|---|---|---|
| 28.6 | 1000 | 250.9 |

| | Pollutant | | | | | | |
|---|---|---|---|---|---|---|---|
| | PM* | PM10* | direct PM2.5* | SO2 | NOx | VOC | CO |
| Emission Factor in lb/MMCF | 1.9 | 7.6 | 7.6 | 0.6 | 100 **see below | 5.5 | 84 |
| Potential Emission in tons/yr | 0.24 | 0.95 | 0.95 | 0.08 | 12.54 | 0.69 | 10.54 |

*PM emission factor is filterable PM only. PM10 emission factor is filterable and condensable PM10 combined.
PM2.5 emission factor is filterable and condensable PM2.5 combined.
**Emission Factors for NOx: Uncontrolled = 100, Low NOx Burner = 50, Low NOx Burners/Flue gas recirculation = 32

**Methodology**

All emission factors are based on normal firing.
MMBtu = 1,000,000 Btu
MMCF = 1,000,000 Cubic Feet of Gas
Emission Factors are from AP 42, Chapter 1.4, Tables 1.4-1, 1.4-2, 1.4-3, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03
Potential Throughput (MMCF) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMCF/1,000 MMBtu
Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton

See page 3 for HAPs emissions calculations.

**Appendix A: Emissions Calculations**
**Natural Gas Combustion Only**
**HAPs Emissions**

**Company Name:** **Indiana Institute of Technology**
**Address City IN Zip:** **1600 E. Washington Blvd., Fort Wayne, IN 46803**
**Permit Number:** **003-30512-00380**
**Reviewer:** **Summer Keown**
**Date:** **July 22, 2011**

| | HAPs - Organics | | | | |
|---|---|---|---|---|---|
| | Benzene | Dichlorobenzene | Formaldehyde | Hexane | Toluene |
| Emission Factor in lb/MMc | 2.1E-03 | 1.2E-03 | 7.5E-02 | 1.8E+00 | 3.4E-03 |
| Potential Emission in tons/ | 2.634E-04 | 1.505E-04 | 9.407E-03 | 2.258E-01 | 4.265E-04 |

| | HAPs - Metals | | | | |
|---|---|---|---|---|---|
| | Lead | Cadmium | Chromium | Manganese | Nickel |
| Emission Factor in lb/MMc | 5.0E-04 | 1.1E-03 | 1.4E-03 | 3.8E-04 | 2.1E-03 |
| Potential Emission in tons/ | 6.272E-05 | 1.380E-04 | 1.756E-04 | 4.766E-05 | 2.634E-04 |

Methodology is the same as page 2.

Total HAPs = 0.24

The five highest organic and metal HAPs emission factors are provided above.
Additional HAPs emission factors are available in AP-42, Chapter 1
See Page 4 for Greenhouse Gas calculations.

**Appendix A: Emissions Calculations**
**Natural Gas Combustion Only**
**Greenhouse Gas Emissions**

**Company Name:** **Indiana Institute of Technology**
**Address City IN Zip:** **1600 E. Washington Blvd., Fort Wayne, IN 46803**
**Permit Number:** **003-30512-00380**
**Reviewer:** **Summer Keown**
**Date:** **July 22, 2011**

| | Greenhouse Gas | | |
|---|---|---|---|
| | CO2 | CH4 | N2O |
| Emission Factor in lb/MMc | 120,000 | 2.3 | 2.2 |
| Potential Emission in tons/ | 15,052 | 0.3 | 0.3 |
| Summed Potential Emissions in tons/yr | 15,052 | | |
| CO2e Total in tons/yr | 15,143 | | |

**Methodology**

The N2O Emission Factor for uncontrolled is 2.2. The N2O Emission Factor for low Nox burner is 0.64.
Emission Factors are from AP 42, Table 1.4-2 SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03.
Greenhouse Warming Potentials (GWP) from Table A-1 of 40 CFR Part 98 Subpart A.
Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton
CO2e (tons/yr) = CO2 Potential Emission ton/yr x CO2 GWP (1) + CH4 Potential Emission ton/yr x CH4

**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**

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

TO: Justin Elder
Indiana Institute of Technology
1600 E Washington Blvd
Fort Wayne, IN 46803

DATE: July 29, 2011

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

SUBJECT: Final Decision
Notice-Only Change
003-30512-00380

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:
Mike Townsley – Director - Facilities
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.

# Mail Code 61-53

| IDEM Staff | GHOTOPP 7/29/2011<br>Indiana Institute of Technology 003-30512-00380 Final | | AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING |
|---|---|---|---|
| Name and address of Sender | ▶ | Indiana Department of Environmental Management<br>Office of Air Quality – Permits Branch<br>100 N. Senate<br>Indianapolis, IN 46204 | Type of Mail:<br>**CERTIFICATE OF MAILING ONLY** |

| 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<br>Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | Justin Elder Indiana Institute of Technology 1600 E Washington Blvd Fort Wayne IN 46803 (Source CAATS) via confirmed delivery | | | | | | | | | |
| 2 | | Mike Townsley Dir - Facilities Indiana Institute of Technology 1600 E Washington Blvd Fort Wayne IN 46803 *(RO CAATS)* | | | | | | | | | |
| 3 | | Daniel & Sandy Trimmer 15021 Yellow River Road Columbia City IN 46725 *(Affected Party)* | | | | | | | | | |
| 4 | | Duane & Deborah Clark Clark Farms 6973 E. 500 S. Columbia City IN 46725 *(Affected Party)* | | | | | | | | | |
| 5 | | Mr. Victor Locke WPTA-TV P.O.Box 2121 Fort Wayne IN 46801 *(Affected Party)* | | | | | | | | | |
| 6 | | Fort Wayne City Council and Mayors Office One Main Street Fort Wayne IN 46802 *(Local Official)* | | | | | | | | | |
| 7 | | Mr. John E. Hampton Plumbers & Steamfitters, Local 166 2930 W Ludwig Rd Fort Wayne IN 46818-1328 *(Affected Party)* | | | | | | | | | |
| 8 | | Allen Co. Board of Commissioners One Main St. Fort Wayne IN 46802 *(Local Official)* | | | | | | | | | |
| 9 | | Fort Wayne-Allen County Health Department 1 E Main Street, 5th Floor Fort Wayne IN 46802-1810 *(Health Department)* | | | | | | | | | |
| 10 | | Mark Zeltwanger 26545 CR 52 Nappanee IN 46550 *(Affected Party)* | | | | | | | | | |
| 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 ***Domestic Mail Manual*** **R900, S913**, and **S921** for limitations of coverage on inured and COD mail. See ***International Mail Manual*** for limitations o coverage on international mail. Special handling charges apply only to Standard Mail (A) and Standard Mail (B) parcels. |
|---|---|---|---|
| 9 | | | |

FACSIMILIE OF PS Form 3877