



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

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(800) 451-6027 • (317) 232-8603 • www.idem.IN.gov

Michael R. Pence
Governor

Carol S. Comer
Commissioner

NOTICE OF 30-DAY PERIOD FOR PUBLIC COMMENT

Preliminary Findings Regarding a
Significant Modification to a
Part 70 Operating Permit

for Columbus Engine Plant in Bartholomew County

Significant Permit Modification No.: 005-36676-00015

The Indiana Department of Environmental Management (IDEM) has received an application from Columbus Engine Plant, located at 500 Central Avenue, Columbus, IN 47201, for a significant modification of its Part 70 Operating Permit issued on August 13, 2013. If approved by IDEM's Office of Air Quality (OAQ), this proposed modification would allow Columbus Engine Plant to make certain changes at its existing source. Columbus Engine Plant has applied to remove language in Section D.4 and re-identify paint booth P1 as a maintenance booth.

This draft significant permit modification does not contain any new equipment that would emit air pollutants; however, some conditions from previously issued permits/approvals have been corrected, changed, or removed. These corrections, changes, and removals may include Title I changes (e.g., changes that add or modify synthetic minor emission limits). This notice fulfills the public notice procedures to which those conditions are subject. IDEM has reviewed this application and has developed preliminary findings, consisting of a draft permit and several supporting documents, which would allow for these changes.

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

Bartholomew County Public Library
536 5th Street
Columbus, IN 47201

and

IDEM Southeast Regional Office
820 West Sweet Street
Brownstown, IN 47220-9557

A copy of the preliminary findings is available on the Internet at: <http://www.in.gov/ai/appfiles/idem-caats/>.

How can you participate in this process?

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

You may request that IDEM hold a public hearing about this draft permit. If adverse comments concerning the **air pollution impact** of this draft permit are received, with a request for a public hearing, IDEM will decide whether or not to hold a public hearing. IDEM could also decide to hold a public meeting instead of, or in addition to, a public hearing. If a public hearing or meeting is held, IDEM will make a separate announcement of the date, time, and location of that hearing or meeting. At a hearing,

you would have an opportunity to submit written comments and make verbal comments. At a meeting, you would have an opportunity to submit written comments, ask questions, and discuss any air pollution concerns with IDEM staff.

Comments and supporting documentation, or a request for a public hearing should be sent in writing to IDEM at the address below. If you comment via e-mail, please include your full U.S. mailing address so that you can be added to IDEM's mailing list to receive notice of future action related to this permit. If you do not want to comment at this time, but would like to receive notice of future action related to this permit application, please contact IDEM at the address below. Please refer to permit number SPM 005-36676-00015 in all correspondence.

Comments should be sent to:

Deena Patton
IDEM, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
(800) 451-6027, ask for extension 4-5400
Or dial directly: (317) 234-5400
Fax: (317) 232-6749 attn: Deena Patton
E-mail: dpatton2@idem.IN.gov

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

For additional information about air permits and how the public and interested parties can participate, refer to the IDEM Permit Guide on the Internet at: <http://www.in.gov/idem/5881.htm>; and the Citizens' Guide to IDEM on the Internet at: <http://www.in.gov/idem/6900.htm>.

What will happen after IDEM makes a decision?

Following the end of the public comment period, IDEM will issue a Notice of Decision stating whether the permit has been issued or denied. If the permit is issued, it may be different than the draft permit because of comments that were received during the public comment period. If comments are received during the public notice period, the final decision will include a document that summarizes the comments and IDEM's response to those comments. If you have submitted comments or have asked to be added to the mailing list, you will receive a Notice of the Decision. The notice will provide details on how you may appeal IDEM's decision, if you disagree with that decision. The final decision will also be available on the Internet at the address indicated above, at the local library indicated above, at the IDEM Regional Office indicated above, and the IDEM public file room on the 12th floor of the Indiana Government Center North, 100 N. Senate Avenue, Indianapolis, Indiana 46204-2251.

If you have any questions, please contact Deena Patton of my staff at the above address.


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



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Part 70 Operating Permit Renewal OFFICE OF AIR QUALITY

Columbus Engine Plant 500 Central Avenue Columbus, Indiana 47201

(herein known as the Permittee) is hereby authorized to construct 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.: T005-32595-00015	
Original signed by/Issued by: Tripurari P. Sinha, Ph. D., Section Chief Permits Branch Office of Air Quality	Issuance Date: August 13, 2013 Expiration Date: August 13, 2018

Administrative Amendment No.: 005-33656-00015, issued on October 22, 2013
Significant Source Modification No.: 005-34644-00015, issued on September 26, 2014
Significant Permit Modification No.: 005-34664-00015, issued on October 15, 2014
Administrative Amendment No.: 005-36465-00015, issued on January 12, 2016

Significant Permit Modification No.: 005-36676-00015	
Issued by: Tripurari P. Sinha, Ph. D., Section Chief Permits Branch Office of Air Quality	Issuance Date: Expiration Date: August 13, 2018

DRAFT

TABLE OF CONTENTS

SECTION A	SOURCE SUMMARY	5
A.1	General Information [326 IAC 2-7-4(c)][326 IAC 2-7-5(14)][326 IAC 2-7-1(22)]	
A.2	Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)][326 IAC 2-7-5(14)]	
A.3	Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)][326 IAC 2-7-4(c)][326 IAC 2-7-5(14)]	
A.4	Insignificant Activities [326 IAC 2-7-1(21)][326 IAC 2-7-4(c)][326 IAC 2-7-5(14)]	
A.5	Part 70 Permit Applicability [326 IAC 2-7-2]	
SECTION B	GENERAL CONDITIONS	10
B.1	Definitions [326 IAC 2-7-1]	
B.2	Revocation of Permits [326 IAC 2-2-8]	
B.3	Affidavit of Construction [326 IAC 2-5.1-3(h)][326 IAC 2-5.1-4]	
B.4	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)]	
B.5	Term of Conditions [326 IAC 2-1.1-9.5]	
B.6	Enforceability [326 IAC 2-7-7][IC 13-17-12]	
B.7	Severability [326 IAC 2-7-5(5)]	
B.8	Property Rights or Exclusive Privilege [326 IAC 2-7-5(6)(D)]	
B.9	Duty to Provide Information [326 IAC 2-7-5(6)(E)]	
B.10	Certification [326 IAC 2-7-4(f)][326 IAC 2-7-6(1)][326 IAC 2-7-5(3)(C)]	
B.11	Annual Compliance Certification [326 IAC 2-7-6(5)]	
B.12	Preventive Maintenance Plan [326 IAC 2-7-5(12)][326 IAC 1-6-3]	
B.13	Emergency Provisions [326 IAC 2-7-16]	
B.14	Permit Shield [326 IAC 2-7-15][326 IAC 2-7-20][326 IAC 2-7-12]	
B.15	Prior Permits Superseded [326 IAC 2-1.1-9.5][326 IAC 2-7-10.5]	
B.16	Termination of Right to Operate [326 IAC 2-7-10][326 IAC 2-7-4(a)]	
B.17	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]	
B.18	Permit Renewal [326 IAC 2-7-3][326 IAC 2-7-4][326 IAC 2-7-8(e)]	
B.19	Permit Amendment or Modification [326 IAC 2-7-11][326 IAC 2-7-12]	
B.20	Permit Revision Under Economic Incentives and Other Programs [326 IAC 2-7-5(8)][326 IAC 2-7-12(b)(2)]	
B.21	Operational Flexibility [326 IAC 2-7-20][326 IAC 2-7-10.5]	
B.22	Source Modification Requirement [326 IAC 2-7-10.5]	
B.23	Inspection and Entry [326 IAC 2-7-6][IC 13-14-2-2][IC 13-30-3-1][IC 13-17-3-2]	
B.24	Transfer of Ownership or Operational Control [326 IAC 2-7-11]	
B.25	Annual Fee Payment [326 IAC 2-7-19][326 IAC 2-7-5(7)][326 IAC 2-1.1-7]	
B.26	Credible Evidence [326 IAC 2-7-5(3)][326 IAC 2-7-6][62 FR 8314][326 IAC 1-1-6]	
SECTION C	SOURCE OPERATION CONDITIONS.....	21
	Emission Limitations and Standards [326 IAC 2-7-5(1)]	21
C.1	Particulate Emission Limitations For Processes with Process Weight Rates Less Than One Hundred (100) Pounds per Hour [326 IAC 6-3-2]	
C.2	Opacity [326 IAC 5-1]	
C.3	Open Burning [326 IAC 4-1][IC 13-17-9]	
C.4	Incineration [326 IAC 4-2][326 IAC 9-1-2]	
C.5	Fugitive Dust Emissions [326 IAC 6-4]	
C.6	Stack Height [326 IAC 1-7]	
C.7	Asbestos Abatement Projects [326 IAC 14-10][326 IAC 18][40 CFR 61, Subpart M]	

DRAFT

Testing Requirements [326 IAC 2-7-6(1)]	23
C.8 Performance Testing [326 IAC 3-6]	
Compliance Requirements [326 IAC 2-1.1-11]	23
C.9 Compliance Requirements [326 IAC 2-1.1-11]	
Compliance Monitoring Requirements [326 IAC 2-7-5(1)][326 IAC 2-7-6(1)]	23
C.10 Compliance Monitoring [326 IAC 2-7-5(3)][326 IAC 2-7-6(1)]	
C.11 Instrument Specifications [326 IAC 2-1.1-11][326 IAC 2-7-5(3)][326 IAC 2-7-6(1)]	
Corrective Actions and Response Steps [326 IAC 2-7-5][326 IAC 2-7-6]	24
C.12 Emergency Reduction Plans [326 IAC 1-5-2][326 IAC 1-5-3]	
C.13 Risk Management Plan [326 IAC 2-7-5(12)][40 CFR 68]	
C.14 Response to Excursions or Exceedances [326 IAC 2-7-5][326 IAC 2-7-6]	
C.15 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5][326 IAC 2-7-6]	
Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)][326 IAC 2-7-19]	25
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]	
C.17 General Record Keeping Requirements [326 IAC 2-7-5(3)][326 IAC 2-7-6]	
C.18 General Reporting Requirements [326 IAC 2-7-5(3)(C)][326 IAC 2-1.1-11]	
Stratospheric Ozone Protection	27
C.19 Compliance with 40 CFR 82 and 326 IAC 22-1	
SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS	28
Emission Limitations and Standards [326 IAC 2-7-5(1)]	29
D.1.1 Prevention of Significant Deterioration (PSD) Minor Limits [326 IAC 2-2]	
D.1.2 Sulfur Dioxide (SO ₂) Limitations [326 IAC 7-1.1-1]	
D.1.3 Preventive Maintenance Plan [326 IAC 2-7-5(12)]	
Compliance Determination Requirements 326 IAC 2-7-5(1)	30
D.1.4 Sulfur Dioxide Emissions and Sulfur Content	
D.1.5 Nitrogen Oxide (NO _x) Calculations for Diesel Engines and Natural Gas Combustion Units	
D.1.6 Carbon Monoxide (CO) Calculations for Diesel Engines and Natural Gas Combustion Units	
D.1.7 Testing Requirements [326 IAC 2-1.1-11]	
Compliance Monitoring Requirements [326 IAC 2-7-6(1)][326 IAC 2-7-5(1)]	34
D.1.8 Visible Emissions Notations [326 IAC 2-7-6(1)][326 IAC 2-7-5(1)]	
Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)][326 IAC 2-7-19]	34
D.1.9 Record Keeping Requirements [326 IAC 2-7-5(3)][326 IAC 2-7-19]	
D.1.10 Reporting Requirements [326 IAC 2-7-5(3)][326 IAC 2-7-19]	
SECTION D.2 EMISSIONS UNIT OPERATION CONDITIONS	36
Emission Limitations and Standards [326 IAC 2-7-5(1)]	36
D.2.1 Particulate Matter (Particulate Emission Limitations for Sources of Indirect Heating) [326 IAC 6-2-4]	
D.2.2 Preventive Maintenance Plan [326 IAC 2-7-5(12)]	
SECTION D.3 EMISSIONS UNIT OPERATION CONDITIONS	37
Emission Limitations and Standards [326 IAC 2-7-5(1)]	37
D.3.1 Particulate Emission Limitations for Manufacturing Processes [326 IAC 6-3-2]	
D.3.2 Volatile Organic Compounds (VOC) [326 IAC 8-3-2]	
D.3.3 Volatile Organic Compounds (VOC) [326 IAC 8-3-8]	

DRAFT

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)][326 IAC 2-7-19] 38
D.3.4 Record Keeping Requirements

SECTION E.1 EMISSIONS UNIT OPERATION CONDITIONS 39

New Source Performance Standard (NSPS) [40 CFR 60]..... 39

E.1.1 General Provisions Relating to New Source Performance Standards [326 IAC 12-1][40 CFR Part 60, Subpart A]

E.1.2 Standards of Performance for Stationary Compression Ignition Internal Combustion Engines [40 CFR Part 60, Subpart IIII][326 IAC 12]

E.1.3 General Provisions Relating to New Source Performance Standards [326 IAC 12-1][40 CFR Part 60, Subpart A]

E.1.4 Standards of Performance for Stationary Compression Ignition Internal Combustion Engines [40 CFR Part 60, Subpart IIII][326 IAC 12]

SECTION E.2 EMISSIONS UNIT OPERATION CONDITIONS 41

National Emissions Standard for Hazardous Air Pollutants (NESHAP) [40 CFR 63]..... 41

E.2.1 General Provisions Relating to National Emission Standards for Hazardous Air Pollutants (NESHAP) [326 IAC 20-82][40 CFR 63, Subpart A]

E.2.2 Stationary Reciprocating Internal Combustion Engines NESHAPS Requirements [40 CFR 60, Subpart ZZZZ][326 IAC 12]

E.2.3 General Provisions Relating to National Emission Standards for Hazardous Air Pollutants (NESHAP) [326 IAC 20-82][40 CFR 63, Subpart A]

E.2.4 Stationary Reciprocating Internal Combustion Engines NESHAPS Requirements [40 CFR 60, Subpart ZZZZ][326 IAC 12]

E.2.5 General Provisions Relating to National Emission Standards for Hazardous Air Pollutants (NESHAP) [326 IAC 20-82][40 CFR 63, Subpart A]

E.2.6 Stationary Reciprocating Internal Combustion Engines NESHAPS Requirements [40 CFR 60, Subpart ZZZZ][326 IAC 12]

CERTIFICATION 44

EMERGENCY OCCURRENCE REPORT 45

Part 70 Quarterly Report..... 47

Part 70 Quarterly Report..... 48

QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT 49

Attachment A: 40 CFR 63, Subpart ZZZZ

Attachment B: 40 CFR 60, Subpart IIII

DRAFT

SECTION A

SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the source contained in conditions A.1 through A.3 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

A.1 General Information [326 IAC 2-7-4(c)][326 IAC 2-7-5(14)][326 IAC 2-7-1(22)]

The Permittee owns and operates a stationary a stationary manufacturing, testing and internal combustion engines source.

Source Address:	500 Central Avenue, Columbus, Indiana 47201
General Source Phone Number:	(812) 377-8867
SIC Code:	3519
County Location:	Bartholomew
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Part 70 Operating Permit Program Minor Source, under PSD Rules, Minor Source, Section 112 of the Clean Air Act Not 1 of 28 Source Categories

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)][326 IAC 2-7-5(14)]

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

- (a) One (1) diesel fuel test cell, known as EU-04 LDTC 4, approved for construction in 2008, with a rated capacity of 500 HP, exhausted to stack 4. The test cell may use diesel fuel, biodiesel or JP-8.
- (b) Seven (7) diesel cycle test cells, known as EU-01 LDTC1, EU-02 LDTC2, EU-03 LDTC3, EU-05 LDTC5, EU-06 LDTC6, EU-07 LDTC7 and EU-08 LDTC8, installed in 1974 or prior, exhausted to Stacks 1-3 and 5-8. The test cells may use diesel fuel, biodiesel or JP-8. EU-01 LDTC1, EU-02 LDTC2, EU-03 LDTC3, EU-05 LDTC5, EU-06 LDTC6, EU-07 LDTC7 and EU-08 LDTC8 have a combined total heat input of 25.46 million British thermal units per hour.
- (c) Four (4) diesel containerized cells, known as EU-09 LDD1, EU-10 LDD2, EU-11 LDD3, EU-12 LDD4, approved for construction in 2008, each with a rated capacity of 450 HP, exhausted to stacks 9-12.
- (d) Four (4) electric motor powered engine test cells, known as EU-13, EU-14, EU-15, EU-16, approved for construction in 2008. The cells power four (4) diesel engines, each with a maximum heat input of 1.0 MMBtu/hr. The combined maximum capacity of diesel fuel usage by the test cells is 0.055 gallons per hour (485.8 gallons of diesel fuel per year).
- (e) One (1) engineering test cell engine, identified as EU-18 LDTC9, permitted in 2014, powered by diesel, biodiesel, or JP-8, and with a maximum output of 500 hp, exhausted to stack 18.
- (f) One (1) engineering test cell engine, identified as EU-19 LDTC10, permitted in 2014, powered by diesel, biodiesel, or JP-8, and with a maximum output of 500 hp, exhausted to stack 19.

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- (g) One (1) engineering test cell engine, identified as EU-20 LDTC11, permitted in 2014, powered by diesel, biodiesel, or JP-8, and with a maximum output of 500 hp, exhausted to stack 20.
- (h) One (1) engineering test cell engine, identified as EU-21 LDTC12, permitted in 2014, powered by diesel, biodiesel, or JP-8, and with a maximum output of 500 hp, exhausted to stack 21.
- (i) One (1) viking production test cell engine, identified as EU-17 LDD 5, permitted in 2014, powered by diesel, biodiesel, or JP-8, and with a maximum output of 500 hp, exhausted to stack 17.

A.3 Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)][326 IAC 2-7-4(c)][326 IAC 2-7-5(14)]

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

- (a) 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 8-3-8].
- (b) Trimmers that do not produce fugitive emissions and that are equipped with a dust collection or trim material recovery device such as a bag filter or cyclone. [326 IAC 6-3-2]
- (c) 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 4,000 actual cubic feet per minute, including the following: deburring; buffing; polishing; abrasive blasting; pneumatic conveying; and woodworking operations. [326 IAC 6-3-2].
- (d) Four (4) natural gas-fired boilers, constructed in 2009, identified as Lochingdar 1, 2, 3 and 4, each with a design heat input capacity of 2.075 MMBtu/hr, with uncontrolled emissions and exhausting to stack B1. [326 IAC 6-2-4]
- (e) Reserved
- (f) The following VOC and HAP storage containers:
 - (1) Storage tanks with capacity less than or equal to 1,000 gallons and annual throughputs less than 12,000 gallons.
 - (2) Vessels storing lubricating oil, hydraulic oils, machining oils, and machining fluids.
 - (3) Application of oils, greases lubricants or other nonvolatile materials applied as temporary protective coatings.
- (g) Machining where an aqueous cutting coolant continuously floods the machining interface.
- (h) Cleaners and solvents characterized as follows:
 - (1) having a vapor pressure equal to or less than 2 kiloPascals; 15 millimeters of mercury; or 0.3 pounds per square inch measured at 38 °C (100 °F) or;
 - (2) having a vapor pressure equal to or less than 0.7 kiloPascals; 5 millimeters of mercury; or 0.1 pounds per square inch measured at 20 °C (68 °F); the use of

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which for all cleaners and solvents combined does not exceed 145 gallons per 12 months.

- (i) Activities associated with the treatment of wastewater streams with an oil and grease content less than or equal to 1 percent by volume.
- (j) Any operation using aqueous solutions containing less than 1 percent by weight of VOCs excluding HAPs.
- (k) Noncontact cooling tower systems with either of the following:
Forced and induced draft cooling tower system not regulated under a NESHAP.
- (l) Replacement or repair of filters in air filtration equipment.
- (m) Paved and unpaved roads and parking lots with public access.
- (n) Asbestos abatement projects regulated by 326 IAC 14-10.
- (o) 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.
- (p) Blowdown for any of the following: sight glass; boiler; compressors; pumps; and cooling tower.
- (q) Make up air units, approved for construction in 2008, with a combined total heat input of less than 10 MMBtu/hr.

A.4 Insignificant Activities [326 IAC 2-7-1(21)][326 IAC 2-7-4(c)][326 IAC 2-7-5(14)]

The source is including the following insignificant activities:

- (r) The following combustion related activities [326 IAC2-7-1(21)(j)(i)(AA)][326 IAC 6-2-4]
 - (1) Two (2) Natural Gas Fulton vertical fired tube steam boilers each rated at 2.1 MMBtu/hr, installed in 2009 (50 HP, 2100 cf/hr gas consumption, 245 gallons each)
 - (2) Three (3) Natural Gas hot water boilers, identified as Raypak -61 N Boiler 1, 2, 3 all installed in 1997, each rated at 1.5 MMBtu/hr each.
 - (3) Three (3) Natural Gas boilers, identified as (Raypak-72 Boiler 1, 2) installed in 2008 and Raypak-72 Boiler 3, installed in 2010, each rated at 1.26 MMBtu/hr each.
 - (4) Four (4) Natural Gas hot water boilers, identified as Aerco – 96 Boiler 1, 2, 3, 4 all installed in 1997, each rated at 0.96 MMBtu/hr each.
- (s) The following Emergency Generators each rated less than 1500 HP [326 IAC 2-7-1(21)(J)(xxii)(BB)(bb)][40 CFR 60, Subpart IIII and 40 CFR 60, Subpart zzzz]
 - (1) One (1) Diesel Emergency Generator, Genset 1, rated at 380 HP, installed in 1999 (200 kW, 350 gallon fuel tank)
 - (2) One (1) Diesel Emergency Generator, identified as Genset 2, rated at 755 HP, installed in February 2010 (500 kW, 2500 gallon fuel tank)

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- (t) One (1) CEP Stationary Fire Pump engine 5.9 liter rated at 171 HP, installed December 2009 with maximum capacity of 300 gallons[326 IAC 2-7-1(21)(J)(xxii)(CC)]
- (u) Additional insignificant activities: natural gas- fired combustion of direct heating makeup air units
- (1) LDD 1-9 installed in 2007 – The emission rates for the units per the manufacturer is 0.065 #/MMBtu,
 - 6 units, LDD 1 – 6, rated at 3.49 MMBtu/hr
 - 3 units, LDD 7 – 9, rated at 2.67 MMBtu/hr
 - (2) AHAP 1-12 installed in 1996,
 - 8 units, AHAP 1 – 8, rated at 2 MMBtu/hr
 - 4 units, AHAP 9 – 12, rated at 1 MMBtu/hr
 - (3) B30 1-4 installed late 80's or early 90's,
 - 4 units, each rated at 1 MMBtu/hr
 - (4) B47 installed in 1996
 - 1 unit rated at 1.2 MMBtu/hr
 - (5) B73 installed in 2010
 - 6 units rated at 1.039 MMBtu/hr
 - (6) One (1) electric DOC test rig, constructed in 2013, using no controls, and exhausting outdoors.
 - (7) CAU-LDTC installed in 1995
 - One (1) unit rated at 0.937 MMBtu/hr
 - (8) LDD RTU 11, B30 RTU, Roll Up DR73 and B73 Conference installed in 1996
 - One (1) LDD RTU 11 unit rated at 0.030 MMBtu/hr
 - One (1) B30 RTU unit rated at 0.090 MMBtu/hr
 - Five (5) Roll Up DR73 units rated at 1.1 MMBtu/hr each
 - One (1) B73 Conference unit rated at 0.056 MMBtu/hr
 - (9) Viking Dock, Viking Perimeter, B72 Perimeter, B60 Dock, Ventilation Inlet 1-4, LDD AHU 12, Viking Chip, B82 Dock and B42 installed in 2007
 - Three (3) Viking Dock units rated at 0.320 MMBtu/hr each
 - Twenty-four (24) Viking Perimeter units rated at 0.160 MMBtu/hr each
 - Two (2) B72 Perimeter units rated at 0.160 MMBtu/hr
 - Six (6) B60 Dock units rated at 0.320 MMBtu/hr each
 - Four (4) Ventilation Inlet 1-4 units rated at 0.823 MMBtu/hr each
 - One (1) LDD AHU 12 unit rated at 0.030 MMBtu/hr
 - Four (4) Viking Chip units rated at 0.320 MMBtu/hr each
 - Seven (7) B82 Dock units rated at 0.320 MMBtu/hr each
 - One (1) B42 unit rated at 0.320 MMBtu/hr
 - (10) LDD RTU 10 installed in 2008
 - One (1) unit rated at 0.0195 MMBtu/hr
 - (11) AHU Hybrid installed in 2010
 - One (1) unit rated at 0.800 MMBtu/hr

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- (12) Cell Ventilation 5-8 installed in 2012
 - One (1) unit rated at 2.7 MMBtu/hr
- (13) AHU-N4A-42 installed in 2014
 - Two (2) units rated at 0.557 MMBtu/hr
- (14) Cell Ventilation 9-12 installed in 2014
 - One (1) unit rated at 2.7 MMBtu/hr
- (v) Welding operations:
 - (1) One (1) TIG welder, constructed in 2015, with a maximum electrode consumption of 19.5 pounds per hour, using no controls, and exhausting indoors.
 - (2) Two (2) metal inert gas (MIG) welding units, identified as M-200 and M350P, respectively, constructed in 2015, each with a maximum electrode consumption of 11.25 pounds per hour, using no controls, and exhausting indoors.

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

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

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

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SECTION B

GENERAL CONDITIONS

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

Terms in this permit shall have the definition assigned to such terms in the referenced regulation. In the absence of definitions in the referenced regulation, the applicable definitions found in the statutes or regulations (IC 13-11, 326 IAC 1-2 and 326 IAC 2-7) shall prevail.

B.2 Revocation of Permits [326 IAC 2-2-8]

Pursuant to 326 IAC 2-2-8(a)(1), this permit to construct shall expire if construction is not commenced within eighteen (18) months after receipt of this approval or if construction is discontinued for a period of eighteen (18) months or more.

B.3 Affidavit of Construction [326 IAC 2-5.1-3(h)][326 IAC 2-5.1-4]

This document shall also become the approval to operate pursuant to 326 IAC 2-5.1-4 when prior to the start of operation, the following requirements are met:

- (a) The attached Affidavit of Construction shall be submitted to the Office of Air Quality (OAQ), verifying that the emission units were constructed as proposed in the application or the permit. The emission units covered in this permit may begin operating on the date the Affidavit of Construction is postmarked or hand delivered to IDEM if constructed as proposed.
- (b) If actual construction of the emission units differs from the construction proposed in the application, the source may not begin operation until the permit has been revised pursuant to 326 IAC 2 and an Operation Permit Validation Letter is issued.
- (c) The Permittee shall attach the Operation Permit Validation Letter received from the Office of Air Quality (OAQ) to this permit.

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

- (a) This permit, T005-32595-00015, is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.
- (b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, including any permit shield provided in 326 IAC 2-7-15, until the renewal permit has been issued or denied.

B.5 Term of Conditions [326 IAC 2-1.1-9.5]

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

- (a) the condition is modified in a subsequent permit action pursuant to Title I of the Clean Air Act; or
- (b) the emission unit to which the condition pertains permanently ceases operation.

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B.6 Enforceability [326 IAC 2-7-7][IC 13-17-12]

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

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

B.8 Property Rights or Exclusive Privilege [326 IAC 2-7-5(6)(D)]

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

B.9 Duty to Provide Information [326 IAC 2-7-5(6)(E)]

- (a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. 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.10 Certification [326 IAC 2-7-4(f)][326 IAC 2-7-6(1)][326 IAC 2-7-5(3)(C)]

- (a) A certification required by this permit meets the requirements of 326 IAC 2-7-6(1) if:
 - (1) it contains a certification by a "responsible official" as defined by 326 IAC 2-7-1(35), and
 - (2) the certification states that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- (b) The Permittee may use the attached Certification Form, or its equivalent with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.
- (c) A "responsible official" is defined at 326 IAC 2-7-1(35).

B.11 Annual Compliance Certification [326 IAC 2-7-6(5)]

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

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

and

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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 a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

B.12 Preventive Maintenance Plan [326 IAC 2-7-5(12)][326 IAC 1-6-3]

- (a) A Preventive Maintenance Plan meets the requirements of 326 IAC 1-6-3 if it includes, at a minimum:
 - (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.

- (b) If required by specific condition(s) in Section D of this permit where no PMP was previously required, the Permittee 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

DRAFT

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

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

The PMP extension notification does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

The Permittee shall implement the PMPs.

- (c) 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. The PMPs and their submittal do not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).
- (d) 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.13 Emergency Provisions [326 IAC 2-7-16]

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

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Compliance and Enforcement Branch), or
Telephone Number: 317-233-0178 (ask for Office of Air Quality,
Compliance and Enforcement Branch)
Facsimile Number: 317-233-6865
Southwest Regional Office phone: (812) 380-2305; fax: (812) 380-2304.

- (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 and Enforcement 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 a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

- (6) The Permittee immediately took all reasonable steps to correct the emergency.
- (c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.
- (d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.
- (e) The Permittee seeking to establish the occurrence of an emergency shall make records available upon request to ensure that failure to implement a PMP did not cause or contribute to an exceedance of any limitations on emissions. However, IDEM, OAQ may require that the Preventive Maintenance Plans required under 326 IAC 2-7-4(c)(8) 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.

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B.14 Permit Shield [326 IAC 2-7-15][326 IAC 2-7-20][326 IAC 2-7-12]

- (a) Pursuant to 326 IAC 2-7-15, the Permittee has been granted a permit shield. The permit shield provides that compliance with the conditions of this permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that either the applicable requirements are included and specifically identified in this permit or the permit contains an explicit determination or concise summary of a determination that other specifically identified requirements are not applicable. The Indiana statutes from IC 13 and rules from 326 IAC, referenced in conditions in this permit, are those applicable at the time the permit was issued. The issuance or possession of this permit shall not alone constitute a defense against an alleged violation of any law, regulation or standard, except for the requirement to obtain a Part 70 permit under 326 IAC 2-7 or for applicable requirements for which a permit shield has been granted.

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

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

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B.15 Prior Permits Superseded [326 IAC 2-1.1-9.5][326 IAC 2-7-10.5]

- (a) All terms and conditions of permits established prior to T005-32595-00015 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 combined permit, all previous registrations and permits are superseded by this combined new source review and part 70 operating permit.

B.16 Termination of Right to Operate [326 IAC 2-7-10][326 IAC 2-7-4(a)]

The Permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least nine (9) months prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-7-3 and 326 IAC 2-7-4(a).

B.17 Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-7-5(6)(C)][326 IAC 2-7-8(a)][326 IAC 2-7-9]

- (a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Part 70 Operating Permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-7-5(6)(C)] The notification by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).
- (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.18 Permit Renewal [326 IAC 2-7-3][326 IAC 2-7-4][326 IAC 2-7-8(e)]

- (a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ and shall include the information specified in 326 IAC 2-7-4. Such information shall be included in the application for each emission unit at this source,

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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 a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

Request for renewal shall be submitted to:

Indiana Department of Environmental Management
Permit Administration and Support Section, 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, pursuant to 326 IAC 2-7-4(a)(2)(D), in writing by IDEM, OAQ any additional information identified as being needed to process the application.

B.19 Permit Amendment or Modification [326 IAC 2-7-11][326 IAC 2-7-12]

- (a) Permit amendments and modifications are governed by the requirements of 326 IAC 2-7-11 or 326 IAC 2-7-12 whenever the Permittee seeks to amend or modify this permit.
- (b) Any application requesting an amendment or modification of this permit shall be submitted to:
- Indiana Department of Environmental Management
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
- Any such application does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).
- (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)]

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B.20 Permit Revision Under Economic Incentives and Other Programs [326 IAC 2-7-5(8)][326 IAC 2-7-12(b)(2)]

- (a) No Part 70 permit revision or notice 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.21 Operational Flexibility [326 IAC 2-7-20][326 IAC 2-7-10.5]

- (a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-7-20(b) or (c) without a prior permit revision, if each of the following conditions is met:

- (1) The changes are not modifications under any provision of Title I of the Clean Air Act;
- (2) Any preconstruction approval required by 326 IAC 2-7-10.5 has been obtained;
- (3) The changes do not result in emissions which exceed the limitations provided in this permit (whether expressed herein as a rate of emissions or in terms of total emissions);
- (4) The Permittee notifies the:

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

and

United States Environmental Protection Agency, Region V
Air and Radiation Division, Regulation Development Branch - Indiana (AR-18J)
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

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

- (5) The Permittee maintains records on-site, on a rolling five (5) year basis, which document all such changes and emission trades that are subject to 326 IAC 2-7-20(b)(1) and (c)(1). 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) and (c)(1).

DRAFT

- (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 a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

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

B.22 Source Modification Requirement [326 IAC 2-7-10.5]

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

B.23 Inspection and Entry [326 IAC 2-7-6][IC 13-14-2-2][IC 13-30-3-1][IC 13-17-3-2]

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

- (a) Enter upon the Permittee's premises where a Part 70 source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;
- (b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy any records that must be kept under the conditions of this permit;
- (c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;

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- (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.24 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
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

Any such application does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).
- (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.25 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.26 Credible Evidence [326 IAC 2-7-5(3)][326 IAC 2-7-6][62 FR 8314][326 IAC 1-1-6]

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

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SECTION C

SOURCE OPERATION CONDITIONS

Entire Source

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

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

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

C.2 Opacity [326 IAC 5-1]

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

- (a) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
- (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

C.3 Open Burning [326 IAC 4-1][IC 13-17-9]

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

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

The Permittee shall not operate an incinerator except as provided in 326 IAC 4-2 or in this permit. The Permittee shall not operate a refuse incinerator or refuse burning equipment except as provided in 326 IAC 9-1-2 or in this permit.

C.5 Fugitive Dust Emissions [326 IAC 6-4]

The Permittee shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4 (Fugitive Dust Emissions). 326 IAC 6-4-2(4) is not federally enforceable.

C.6 Stack Height [326 IAC 1-7]

The Permittee shall comply with the applicable provisions of 326 IAC 1-7 (Stack Height Provisions), for all exhaust stacks through which a potential (before controls) of twenty-five (25) tons per year or more of particulate matter or sulfur dioxide is emitted. 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.7 Asbestos Abatement Projects [326 IAC 14-10][326 IAC 18][40 CFR 61, Subpart M]

- (a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all facility components, then the notification requirements of

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326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.

- (b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:
 - (1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or
 - (2) If there is a change in the following:
 - (A) Asbestos removal or demolition start date;
 - (B) Removal or demolition contractor; or
 - (C) Waste disposal site.
- (c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).
- (d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).

All required notifications shall be submitted to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 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 that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

- (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.

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

C.8 Performance Testing [326 IAC 3-6]

- (a) For performance testing required by this permit, a test protocol, except as provided elsewhere in this permit, shall be submitted to:

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

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

- (b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).
- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ if the Permittee submits to IDEM, OAQ a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

Compliance Requirements [326 IAC 2-1.1-11]

C.9 Compliance Requirements [326 IAC 2-1.1-11]

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

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

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

- (a) For new units:
Unless otherwise specified in the approval for the new emission unit(s), compliance monitoring for new emission units shall be implemented on and after the date of initial start-up.
- (b) For existing units:
Unless otherwise specified in this permit, for all monitoring requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of permit issuance to begin such monitoring. If, due to circumstances beyond the Permittee's control, any monitoring equipment required by this permit cannot be installed and operated no later than ninety (90) days after permit issuance, 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 and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003

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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 a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

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

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

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

- (a) The Permittee shall maintain the most recently 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]

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]

Upon detecting an excursion where a response step is required by the D Section or an exceedance of a limitation in this permit:

- (a) The Permittee shall take reasonable response steps to 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 excess emissions.
- (b) The response shall include minimizing the period of any startup, shutdown or malfunction. The response may include, but is not limited to, the following:
 - (1) initial inspection and evaluation;
 - (2) recording that operations returned or are returning to normal without operator action (such as through response by a computerized distribution control system);
or

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- (3) any necessary follow-up actions to return operation to normal or usual manner of operation.
- (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 record the reasonable response steps 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 submit a description of its response actions to IDEM, OAQ, no later than seventy-five (75) days after the date of the test.
- (b) A retest to demonstrate compliance shall be performed no later than one hundred eighty (180) days after the date of the test. Should the Permittee demonstrate to IDEM, OAQ that retesting in one hundred eighty (180) 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 a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

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]

Pursuant to 326 IAC 2-6-3(b)(3), starting in 2006 and every three (3) years thereafter, the Permittee shall submit by July 1 an emission statement covering the previous calendar year. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4(c) and shall meet the following requirements:

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

The statement must be submitted to:

Indiana Department of Environmental Management
Technical Support and Modeling Section, Office of Air Quality
100 North Senate Avenue

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MC 61-50 IGCN 1003
Indianapolis, Indiana 46204-2251

The emission statement does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

C.17 General Record Keeping Requirements [326 IAC 2-7-5(3)][326 IAC 2-7-6]

(a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. Support information includes the following, where applicable:

- (AA) All calibration and maintenance records.
- (BB) All original strip chart recordings for continuous monitoring instrumentation.
- (CC) Copies of all reports required by the Part 70 permit.

Records of required monitoring information include the following, where applicable:

- (AA) The date, place, as defined in this permit, and time of sampling or measurements.
- (BB) The dates analyses were performed.
- (CC) The company or entity that performed the analyses.
- (DD) The analytical techniques or methods used.
- (EE) The results of such analyses.
- (FF) The operating conditions as existing at the time of sampling or measurement.

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, for all record keeping requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of permit issuance or the date of initial start-up, whichever is later, to begin such record keeping.

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

(a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Proper notice submittal under Section B –Emergency Provisions satisfies the reporting requirements of this paragraph. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported except that 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. This report shall be submitted not later than thirty (30) days after the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35). A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.

(b) The address for report submittal is:

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

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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) 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.

Stratospheric Ozone Protection

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

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

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SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

- (a) One (1) diesel fuel test cell, known as EU-04 LDTC 4, approved for construction in 2008, with a rated capacity of 500 HP, exhausted to stack 4. The test cell may use diesel fuel, biodiesel or JP-8.
- (b) Seven (7) diesel cycle test cells, known as EU-01 LDTC1, EU-02 LDTC2, EU-03 LDTC3, EU-05 LDTC5, EU-06 LDTC6, EU-07 LDTC7 and EU-08 LDTC8, installed in 1974 or prior, exhausted to Stacks 1-3 and 5-8. The test cells may use diesel fuel, biodiesel or JP-8. EU-01 LDTC1, EU-02 LDTC2, EU-03 LDTC3, EU-05 LDTC5, EU-06 LDTC6, EU-07 LDTC7 and EU-08 LDTC8 have a combined total heat input of 25.46 million British thermal units per hour.
- (c) Four (4) diesel containerized cells, known as EU-09 LDD1, EU-10 LDD2, EU-11 LDD3, EU-12 LDD4, approved for construction in 2008, each with a rated capacity of 450 HP, exhausted to stacks 9-12.
- (d) Four (4) electric motor powered engine test cells, known as EU-13, EU-14, EU-15, EU-16, approved for construction in 2008. The cells power four (4) diesel engines, each with a maximum heat input of 1.0 MMBtu/hr. The combined maximum capacity of diesel fuel usage by the test cells is 0.055 gallons per hour (485.8 gallons of diesel fuel per year).
- (e) One (1) engineering test cell engine, identified as EU-18 LDTC9, permitted in 2014, powered by diesel, biodiesel, or JP-8, and with a maximum output of 500 hp, exhausted to stack 18.
- (f) One (1) engineering test cell engine, identified as EU-19 LDTC10, permitted in 2014, powered by diesel, biodiesel, or JP-8, and with a maximum output of 500 hp, exhausted to stack 19.
- (g) One (1) engineering test cell engine, identified as EU-20 LDTC11, permitted in 2014, powered by diesel, biodiesel, or JP-8, and with a maximum output of 500 hp, exhausted to stack 20.
- (h) One (1) engineering test cell engine, identified as EU-21 LDTC12, permitted in 2014, powered by diesel, biodiesel, or JP-8, and with a maximum output of 500 hp, exhausted to stack 21.
- (i) One (1) viking production test cell engine, identified as EU-17 LDD 5, permitted in 2014, powered by diesel, biodiesel, or JP-8, and with a maximum output of 500 hp, exhausted to stack 17.

Insignificant Activities

- (u) Additional insignificant activities: natural gas- fired combustion of direct heating makeup air units
 - (1) LDD 1-9 installed in 2007 – The emission rates for the units per the manufacturer is 0.065 #/MMBtu,
 - 6 units, LDD 1 – 6, rated at 3.49 MMBtu/hr
 - 3 units, LDD 7 – 9, rated at 2.67 MMBtu/hr
 - (2) AHAP 1-12 installed in 1996,
 - 8 units, AHAP 1 – 8, rated at 2 MMBtu/hr
 - 4 units, AHAP 9 – 12, rated at 1 MMBtu/hr
 - (3) B30 1-4 installed late 80's or early 90's,

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- 4 units, each rated at 1 MMBtu/hr
- (4) B47 installed in 1996
 - 1 unit rated at 1.2 MMBtu/hr
- (5) B73 installed in 2010
 - 6 units rated at 1.039 MMBtu/hr
- (6) One (1) electric DOC test rig, constructed in 2013, using no controls, and exhausting outdoors.
- (7) CAU-LDTC installed in 1995
 - One (1) unit rated at 0.937 MMBtu/hr
- (8) LDD RTU 11, B30 RTU, Roll Up DR73 and B73 Conference installed in 1996
 - One (1) LDD RTU 11 unit rated at 0.030 MMBtu/hr
 - One (1) B30 RTU unit rated at 0.090 MMBtu/hr
 - Five (5) Roll Up DR73 units rated at 1.1 MMBtu/hr each
 - One (1) B73 Conference unit rated at 0.056 MMBtu/hr
- (9) Viking Dock, Viking Perimeter, B72 Perimeter, B60 Dock, Ventilation Inlet 1-4, LDD AHU 12, Viking Chip, B82 Dock and B42 installed in 2007
 - Three (3) Viking Dock units rated at 0.320 MMBtu/hr each
 - Twenty-four (24) Viking Perimeter units rated at 0.160 MMBtu/hr each
 - Two (2) B72 Perimeter units rated at 0.160 MMBtu/hr
 - Six (6) B60 Dock units rated at 0.320 MMBtu/hr each
 - Four (4) Ventilation Inlet 1-4 units rated at 0.823 MMBtu/hr each
 - One (1) LDD AHU 12 unit rated at 0.030 MMBtu/hr
 - Four (4) Viking Chip units rated at 0.320 MMBtu/hr each
 - Seven (7) B82 Dock units rated at 0.320 MMBtu/hr each
 - One (1) B42 unit rated at 0.320 MMBtu/hr
- (10) LDD RTU 10 installed in 2008
 - One (1) unit rated at 0.0195 MMBtu/hr
- (11) AHU Hybrid installed in 2010
 - One (1) unit rated at 0.800 MMBtu/hr
- (12) Cell Ventilation 5-8 installed in 2012
 - One (1) unit rated at 2.7 MMBtu/hr
- (13) AHU-N4A-42 installed in 2014
 - Two (2) units rated at 0.557 MMBtu/hr
- (14) Cell Ventilation 9-12 installed in 2014
 - One (1) unit rated at 2.7 MMBtu/hr

(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)]

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D.1.1 Prevention of Significant Deterioration (PSD) Minor Limits [326 IAC 2-2]

- (a) The total NO_x emissions from Eight (8) test cells EU-1-8/LDTC 1-8, Four (4) Containerized Production test Cells EU-09 through EU-12, Four (4) Electric test cells EU-13-16, Four (4) engineering test Cells EU-18 through EU-21/LDTC 9-12, One (1) production Test Cell EU-17 LDD5, Diesel 755, Diesel 380, Diesel Fire Pump, four (4) Aero-96 Boilers, three (3) Raypak-61 Boilers, three (3) Raypak-72 Boilers, two (2) Fire Tube Steam Boilers, four (4) Lochinvar Boilers, and natural gas make up units, identified as Make up Units, B30-1-4, AHAP 1-12, B47, LDD (MAU) 1-9, B73, (1) Cell 5-12 Combustion Air Unit, (1) LDD RTU 11, (1) B30 RTU (CES Lab), (5) Heat Roll Up DR, (1) B73 Conference Room Heater, (3) Dock Heat, (16) Perimeter Heat, (2) Perimeter Heat (B72 Mex Sub), (6) Viking Dock B60, (8) Viking Perimeter Heat, (4) Cell 1-4 Ventilation Inlets, (1) LDD AHU 12, (4) Viking Perimeter Heat (Chip Dock), (7) B82 Dock Heat, (1) Building 42 Heater, (1) LDD RTU 10, (1) AHU (Hybrid Engine Vehicle lab), (1) Cell 5-8 Ventilation Inlets, (2) AHU-N4A-42 (MAU), Cell 9-12 Ventilation Inlets shall not exceed 240 tons per twelve (12) consecutive month period with compliance determined at the end of each month.
- (b) The total CO emissions from Eight (8) test cells EU-1-8/LDTC 1-8, Four (4) Containerized Production test Cells EU-09 through EU-12, Four (4) Electric test cells EU-13-16, Four (4) engineering test Cells EU-18 through EU-21/LDTC 9-12, One (1) production Test Cell EU-17 LDD5, Diesel 755, Diesel 380, Diesel Fire Pump, four (4) Aero-96 Boilers, three (3) Raypak-61 Boilers, three (3) Raypak-72 Boilers, two (2) Fire Tube Steam Boilers, four (4) Lochinvar Boilers, and natural gas make up units, identified as Make up Units, B30-1-4, AHAP 1-12, B47, LDD (MAU) 1-9, B73, (1) Cell 5-12 Combustion Air Unit, (1) LDD RTU 11, (1) B30 RTU (CES Lab), (5) Heat Roll Up DR, (1) B73 Conference Room Heater, (3) Dock Heat, (16) Perimeter Heat, (2) Perimeter Heat (B72 Mex Sub), (6) Viking Dock B60, (8) Viking Perimeter Heat, (4) Cell 1-4 Ventilation Inlets, (1) LDD AHU 12, (4) Viking Perimeter Heat (Chip Dock), (7) B82 Dock Heat, (1) Building 42 Heater, (1) LDD RTU 10, (1) AHU (Hybrid Engine Vehicle lab), (1) Cell 5-8 Ventilation Inlets, (2) AHU-N4A-42 (MAU), Cell 9-12 Ventilation Inlets shall not exceed 240 tons per twelve (12) consecutive month period with compliance determined at the end of each month.

Compliance with these limits will limit the NO_x and CO emissions from the engine test cells and potential emissions from other emission units to less than two hundred and fifty (250) tons per year and render the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration) not applicable to this 2014 modification.

D.1.2 Sulfur Dioxide (SO₂) Limitations [326 IAC 7-1.1-1]

Pursuant to 326 IAC 7-1.1 (SO₂ Emissions Limitations) the SO₂ emissions from the test cells, identified as EU-01 LDTC1, EU-02 LDTC2, EU-03 LDTC3, EU-04 LDTC4, EU-05 LDTC5, EU-06 LDTC6, EU-07 LDTC7, EU-08 LDTC8, EU-09 LDTC9, EU-18 LDTC 9, EU-19 LDTC 10, EU-20 LDTC11 and EU-21 LDTC12, shall not exceed five tenths (0.5) pounds per million British thermal units heat input.

D.1.3 Preventive Maintenance Plan [326 IAC 2-7-5(12)]

A Preventive Maintenance Plan (PMP) is required for these facilities. Section B - Preventive Maintenance Plan contains the Permittee's obligations with regard to the preventive maintenance plan required by this condition.

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

D.1.4 Sulfur Dioxide Emissions and Sulfur Content

Compliance with Condition D.1.2 shall be determined utilizing one of the following options:

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- (a) Pursuant to 326 IAC 3-7-4, the Permittee shall demonstrate that the sulfur dioxide emissions do not exceed five-tenths (0.5) pounds per million British thermal units heat input by:
- (1) Providing vendor analysis of fuel delivered, if accompanied by a vendor certification, or;
 - (2) Analyzing the oil sample to determine the sulfur content of the oil via the procedures in 40 CFR 60, Appendix A, Method 19.
 - (A) Oil samples may be collected from the fuel tank immediately after the fuel tank is filled and before any oil is combusted; and
 - (B) If a partially empty fuel tank is refilled, a new sample and analysis would be required upon filling;
- (b) Compliance may also be determined by conducting a stack test for sulfur dioxide emissions from the thirty (30) test cells and the two (2) test stands, using 40 CFR 60, Appendix A, Method 6 in accordance with the procedures in 326 IAC 3-6.

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

D.1.5 Nitrogen Oxide (NO_x) Calculations for Diesel Engines and Natural Gas Combustion Units

To determine the compliance status with Condition D.1.1(a), the following equation shall be used to determine the NO_x emission limit for the entire source:

The NO_x emissions (tons/month) shall be calculated using the following equation:

$$\begin{aligned} \text{NO}_x \text{ emissions} = & (Q_{DF} \text{ fuel burned by Eight (8) test cells EU-1-8/LDTC 1-8, Four (4) Containerized Production test Cells EU-09 through EU-12, Four (4) Electric test cells EU-13-16, Four (4) test Cells EU-18 through EU-21/LDTC 9-12, One (1) Electric Test Cell EU-17 LDD5}) \times (\text{EF}_{\text{NO}_x,DF} \text{ of NO}_x \text{ /gal of diesel fuel}) \\ & + (Q_{BD} \text{ fuel burned by Eight (8) test cells EU-1-8/LDTC 1-8, Four (4) Containerized Production test Cells EU-09 through EU-12, Four (4) Electric test cells EU-13-16, Four (4) test Cells EU-18 through EU-21/LDTC 9-12, One (1) Electric Test Cell EU-17 LDD5}) \times (\text{EF}_{\text{NO}_x,BD} \text{ of NO}_x \text{ /gal of biodiesel fuel}) \\ & + (Q_{JP8} \text{ fuel burned by Eight (8) test cells EU-1-8/LDTC 1-8, Four (4) Containerized Production test Cells EU-09 through EU-12, Four (4) Electric test cells EU-13-16, Four (4) test Cells EU-18 through EU-21/LDTC 9-12, One (1) Electric Test Cell EU-17 LDD5}) \times (\text{EF}_{\text{NO}_x,JP8} \text{ of NO}_x \text{ /mmcf of JP-8 fuel}) \end{aligned}$$

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- + (Q_{NG} burned by four (4) Aero-96 Boilers, three (3) Raypak-61 Boilers, three (3) Raypak-72 Boilers, two (2) Fire Tube Steam Boilers, four (4) Lochinvar Boilers, Make up Units, B30-1-4, AHAP 1-12, B47, LDD (MAU) 1-9, B73, (1) Cell 5-12 Combustion Air Unit, (1) LDD RTU 11, (1) B30 RTU (CES Lab), (5) Heat Roll Up DR, (1) B73 Conference Room Heater, (3) Dock Heat, (16) Perimeter Heat, (2) Perimeter Heat (B72 Mex Sub), (6) Viking Dock B60, (8) Viking Perimeter Heat, (4) Cell 1-4 Ventilation Inlets, (1) LDD AHU 12, (4) Viking Perimeter Heat (Chip Dock), (7) B82 Dock Heat, (1) Building 42 Heater, (1) LDD RTU 10, (1) AHU (Hybrid Engine Vehicle lab), (1) Cell 5-8 Ventilation Inlets, (2) AHU-N4A-42 (MAU), Cell 9-12 Ventilation Inlets) x (EF_{NOx,NG} of NOx /mmcf of natural gas)

Where:

- (1) EF_{NOx,DF} = Emission factor in pounds of NOx per gallon of diesel fuel for the test cells;
- (2) EF_{NOx,BD} = Emission factor in pounds of NOx per gallon of Biodiesel fuel for the test cells;
- (3) EF_{NOx,JP8} = Emission factor in pounds of NOx per gallon of JP-8 fuel for the test cells;
- (4) EF_{NOx,NG} = Emission factor in pounds of NOx per cubic foot of natural gas for all natural gas combustion units;
- (5) Q_{DF} = Amount of diesel burned in the test cells;
- (6) Q_{BD} = Amount of biodiesel burned in the test cells;
- (7) Q_{JP8} = Amount of JP-8 burned in test cells;
- (8) Q_{NG} = Amount of natural gas burned in all natural gas combustion units.

D.1.6 Carbon Monoxide (CO) Calculations for Diesel Engines and Natural Gas Combustion Units

To determine the compliance status with Condition D.1.1(b), the following equation shall be used to determine the CO emission limit for the entire source:

The CO emissions (tons/month) shall be calculated using the following equation:

$$\begin{aligned} \text{CO emissions} = & \quad (Q_{DF} \text{ fuel burned by Eight (8) test cells EU-1-8/LDTC 1-8, Four} \\ & \quad (4) \text{ Containerized Production test Cells EU-09 through EU-12,} \\ & \quad \text{Four (4) Electric test cells EU-13-16, Four (4) test Cells EU-18} \\ & \quad \text{through EU-21/LDTC 9-12, One (1) Electric Test Cell EU-17} \\ & \quad \text{LDD5) x (EF}_{CO,DF} \text{ of CO /gal of diesel fuel)} \\ & + \quad (Q_{BD} \text{ fuel burned by Eight (8) test cells EU-1-8/LDTC 1-8, Four} \\ & \quad (4) \text{ Containerized Production test Cells EU-09 through EU-12,} \\ & \quad \text{Four (4) Electric test cells EU-13-16, Four (4) test Cells EU-18} \\ & \quad \text{through EU-21/LDTC 9-12, One (1) Electric Test Cell EU-17} \\ & \quad \text{LDD5) x (EF}_{CO,BD} \text{ of CO /gal of biodiesel fuel)} \end{aligned}$$

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- + $(Q_{JP8} \text{ fuel burned by Eight (8) test cells EU-1-8/LDTC 1-8, Four (4) Containerized Production test Cells EU-09 through EU-12, Four (4) Electric test cells EU-13-16, Four (4) test Cells EU-18 through EU-21/LDTC 9-12, One (1) Electric Test Cell EU-17 LDD5}) \times (EF_{CO,JP8} \text{ of CO /gal of JP-8 fuel})$

- + $Q_{NG} \text{ burned by four (4) Aero-96 Boilers, three (3) Raypak-61 Boilers, three (3) Raypak-72 Boilers, two (2) Fire Tube Steam Boilers, four (4) Lochinvar Boilers, Make up Units, B30-1-4, AHAP 1-12, B47, LDD (MAU) 1-9, B73, (1) Cell 5-12 Combustion Air Unit, (1) LDD RTU 11, (1) B30 RTU (CES Lab), (5) Heat Roll Up DR, (1) B73 Conference Room Heater, (3) Dock Heat, (16) Perimeter Heat, (2) Perimeter Heat (B72 Mex Sub), (6) Viking Dock B60, (8) Viking Perimeter Heat, (4) Cell 1-4 Ventilation Inlets, (1) LDD AHU 12, (4) Viking Perimeter Heat (Chip Dock), (7) B82 Dock Heat, (1) Building 42 Heater, (1) LDD RTU 10, (1) AHU (Hybrid Engine Vehicle lab), (1) Cell 5-8 Ventilation Inlets, (2) AHU-N4A-42 (MAU), Cell 9-12 Ventilation Inlets}) \times (EF_{CO,NG} \text{ of CO /mmcf of natural gas})$

Where:

- (1) $EF_{CO,DF}$ = Emission factor in pounds of CO per gallon of diesel fuel for the test cells;
- (2) $EF_{CO,BD}$ = Emission factor in pounds of CO per gallon of Biodiesel fuel for the test cells;
- (3) $EF_{CO,JP8}$ = Emission factor in pounds of CO per gallon of JP-8 fuel for the test cells;
- (4) $EF_{CO,NG}$ = Emission factor in pounds of CO per cubic foot of natural gas for all natural gas combustion units;
- (5) Q_{DF} = Amount of diesel burned in the test cells;
- (6) Q_{BD} = Amount of biodiesel burned in the test cells;
- (7) Q_{JP8} = Amount of JP-8 gas burned in the test cells;
- (8) Q_{NG} = Amount of natural gas burned in all natural gas combustion units.

D.1.7 Testing Requirements [326 IAC 2-1.1-11]

In order to demonstrate compliance with Condition D.1.1(a), within sixty (60) days of reaching maximum capacity but no later than one hundred and eighty (180) days after initial startup, the Permittee shall conduct NOx emissions testing on one of the test cells utilizing methods as approved by the commissioner. This test shall be performed once to establish the NOx emission limit used in the permit. Testing shall be conducted in accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures). Section C - Performance Testing contains the Permittee's obligations with regard to the performance testing required by this condition.

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

D.1.8 Visible Emissions Notations [326 IAC 2-7-6(1)][326 IAC 2-7-5(1)]

- (a) Visible emission notations of the test cell stack exhausts 1-12 and 17-21 shall be performed once per day during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.
- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
- (e) If abnormal emissions are observed, the Permittee shall take reasonable response steps. Observation of abnormal emissions that do not violate an applicable opacity limit is not a deviation from this permit. Failure to take response steps shall be considered a deviation from this permit. Section C – Response to Excursions or Exceedances contains the Permittee's obligations with regard to responding to the reasonable response steps required by this condition.

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

D.1.9 Record Keeping Requirements [326 IAC 2-7-5(3)][326 IAC 2-7-19]

- (a) To document the compliance status with Conditions D.1.1(a) and D.1.1(b), the Permittee shall maintain monthly records of the amount of diesel fuel, biodiesel and JP-8 fuel usage in the Eight (8) test cells EU-1-8/LDTC 1-8, Four (4) Containerized Production test Cells EU-09 through EU-12, Four (4) Electric test cells EU-13-16, Four (4) test Cells EU-18 through EU-21/LDTC 9-12, One (1) Production Test Cell EU-17 LDD5, Diesel 755, Diesel 380, and Diesel Fire Pump.
- (b) To document the compliance status with Conditions D.1.1(a) and D.1.1(b), the Permittee shall maintain monthly records of the amount of natural gas fuel usage in the boilers, and all the natural gas combustion units.
- (c) To document the compliance status with Condition D.1.2, the Permittee shall maintain records in accordance with (1) through (6) below.
 - (1) Calendar dates covered in the compliance determination period;
 - (2) Actual diesel fuel usage since last compliance determination period and equivalent sulfur dioxide emissions;
 - (3) A certification, signed by the owner or operator, that the records of the fuel supplier certifications represent all of the fuel combusted during the period, the natural gas-fired boiler certification does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34); and

If the fuel supplier certification is used to demonstrate compliance the following, as a minimum, shall be maintained:

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

The Permittee shall retain records of all recording/monitoring data and support information for a period of five (5) years, or longer if specified elsewhere in this permit, from the date of the monitoring sample, measurement, or report. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit.

- (d) To document the compliance status with Condition D.1.8 - Visible Emission Notations, the Permittee shall maintain daily records of visible emission notations of the stack exhausts 1-12 and 17-21. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation (e.g. the process did not operate that day).
- (e) Section C – General Record Keeping Requirements contains the Permittee's obligation with regard to record keeping.

D.1.10 Reporting Requirements [326 IAC 2-7-5(3)][326 IAC 2-7-19]

A quarterly summary of the information to document the compliance status with Conditions D.1.1(a) and D.1.1(b) shall be submitted using the reporting forms located at the end of this permit, or their equivalent, not later than thirty (30) days following the end of each calendar quarter. The report submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35). Section C - General Reporting Requirements contains the Permittee's obligations with regard to the reporting required by this condition.

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SECTION D.2 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description: Insignificant Activities [326 IAC 6-2-4]

- (r) The following combustion related activities [326 IAC 2-7-1(21)(j)(i)(AA)][326 IAC 6-2-4]
- (1) Two (2) Natural Gas Fulton vertical fired tube steam boilers each rated at 2.1 MMBtu/hr, installed in 2009 (50 HP, 2100 cf/hr gas consumption, 245 gallons each)
 - (2) Three (3) Natural Gas hot water boilers, identified as Raypak -61 N Boiler 1, 2, 3 all installed in 1997, each rated at 1.5 MMBtu/hr each.
 - (3) Three (3) Natural Gas boilers, identified as (Raypak-72 Boiler 1, 2) installed in 2008 and Raypak-72 Boiler 3, installed in 2010, each rated at 1.26 MMBtu/hr each.
 - (4) Four (4) Natural Gas hot water boilers, identified as Aerco – 96 Boiler 1, 2, 3, 4 all installed in 1997, each rated at 0.96 MMBtu/hr each.
 - (5) Four (4) natural gas-fired boilers, approved for construction in 2009, identified as Lochinvar 1, 2, 3 and 4, each with a design heat input capacity of 2.075 MMBtu/hr, with uncontrolled emissions and exhausting to stack B1. [326 IAC 6-2-4]

(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 Matter (Particulate Emission Limitations for Sources of Indirect Heating) [326 IAC 6-2-4]

- (a) Pursuant to 326 IAC 6-2-4, the particulate matter emissions from boilers constructed in 1997 identified as, (3) Raypak -61 N, and (4) Aerco – 96, shall be limited to 0.6 pounds per MMBtu heat input.
- (b) Pursuant to 326 IAC 6-2-4, the particulate matter emissions from boilers constructed in 2008 identified as, (3) Raypak -61 N, (4) Aerco – 96, and (2) Raypak-72 Boilers shall be limited to 0.59 pounds per MMBtu heat input.
- (c) Pursuant to 326 IAC 6-2-4, the particulate matter emissions from boilers constructed in 2009 identified as, (3) Raypak -61 N, (4) Aerco – 96, (2) Raypak-72 Boilers, (2) Fulton vertical fired tube boilers, and (4) Lochinvar shall be limited to 0.48 pounds per MMBtu heat input.
- (d) Pursuant to 326 IAC 6-2-4, the particulate matter emissions from boilers constructed in 2009 identified as, (3) Raypak -61 N, (4) Aerco – 96, (2) Raypak-72 Boilers 1,2, (2) Fulton vertical fired tube boilers, (4) Lochinvar, and (1) Raypak-72 Boiler 3 shall be limited to 0.47 pounds per MMBtu heat input.

D.2.2 Preventive Maintenance Plan [326 IAC 2-7-5(12)]

A Preventive Maintenance Plan (PMP) is required for these facilities. Section B - Preventive Maintenance Plan contains the Permittee's obligations with regard to the preventive maintenance plan required by this condition.

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SECTION D.3 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description: Insignificant Activities

- (a) 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 8-3-8].
- (b) Trimmers that do not produce fugitive emissions and that are equipped with a dust collection or trim material recovery device such as a bag filter or cyclone. [326 IAC 6-3-2]
- (c) 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 4,000 actual cubic feet per minute, including the following: deburring; buffing; polishing; abrasive blasting; pneumatic conveying; and woodworking operations. [326 IAC 6-3-2].

(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 Limitations for Manufacturing Processes [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the particulate emissions from the trimmer, grinding and machining operations shall not exceed the amounts of pounds per hour determined by the following equation:

Interpolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$$E = 4.10 P^{0.67} \quad \text{where } E = \text{rate of emission in pounds per hour and} \\ P = \text{process weight rate in tons per hour}$$

D.3.2 Volatile Organic Compounds (VOC) [326 IAC 8-3-2]

- (a) Pursuant to 326 IAC 8-3-2 (Cold Cleaner Degreaser Control Equipment and Operating Requirements), for cold cleaning degreasers constructed after January 1, 1980, the Permittee shall ensure the following control equipment and operating requirements are met:
 - (1) Equip the degreaser with a cover;
 - (2) Equip the degreaser with a device for draining cleaned parts;
 - (3) Close the degreaser cover whenever parts are not being handled in the degreaser;
 - (4) Drain cleaned parts for at least fifteen (15) seconds or until dripping ceases;
 - (5) Provide a permanent, conspicuous label that lists the operating requirements in subdivisions (3), (4), (6), and (7).
 - (6) Store waste solvent only in closed containers.
 - (7) Prohibit the disposal or transfer of waste solvent in such a manner that could allow greater than twenty percent (20%) of the waste solvent (by weight) to evaporate into the atmosphere.
- (b) Pursuant to 326 IAC 8-3-2 (Cold Cleaner Degreaser Control Equipment and Operating Requirements), for cold cleaning degreasers without remote solvent reservoirs constructed after July 1, 1990, the Permittee shall ensure the following additional control equipment and operating requirements are met:

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- (1) Equip the degreaser with one (1) of the following control devices if the solvent is heated to a temperature of greater than forty-eight and nine-tenths (48.9) degrees Celsius (one hundred twenty (120) degrees Fahrenheit):
 - (A) A freeboard that attains a freeboard ratio of seventy-five hundredths (0.75) or greater.
 - (B) A water cover when solvent used is insoluble in, and heavier than, water.
 - (C) A refrigerated chiller.
 - (D) Carbon adsorption.
 - (E) An alternative system of demonstrated equivalent or better control as those outlined in clauses (A) through (D) that is approved by the department. An alternative system shall be submitted to the U.S. EPA as a SIP revision.
- (2) Ensure the degreaser cover is designed so that it can be easily operated with one (1) hand if the solvent is agitated or heated.
- (3) If used, solvent spray:
 - (A) must be a solid, fluid stream; and
 - (B) shall be applied at a pressure that does not cause excessive splashing.

D.3.3 Volatile Organic Compounds (VOC) [326 IAC 8-3-8]

Pursuant to 326 IAC 8-3-8 (Material Requirements for Cold Cleaner Degreasers), on and after January 1, 2015, the Permittee shall not operate a cold cleaner degreaser with a solvent that has a VOC composite partial vapor pressure that exceeds one (1) millimeter of mercury (nineteen-thousandths(0.019) pound per square inch) measured at twenty (20) degrees Celsius (sixty-eight (68) degrees Fahrenheit).

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

D.3.4 Record Keeping Requirements

- (a) Pursuant to 326 IAC 8-3-8(c)(2), on and after January 1, 2015, the following records shall be maintained for each purchase of cold cleaner degreaser solvent:
 - (1) The name and address of the solvent supplier.
 - (2) The date of purchase (or invoice/bill dates of contract servicer indicating service date).
 - (3) The type of solvent purchased.
 - (4) The total volume of the solvent purchased.
 - (5) The true vapor pressure of the solvent measured in millimeters of mercury at twenty (20) degrees Celsius (sixty-eight (68) degrees Fahrenheit).
- (b) Section C - General Record Keeping Requirements of this permit contains the Permittee's obligations with regard to the records required by this condition

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SECTION E.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

- (a) One (1) Diesel Emergency Generator , identified as Genset 2, rated at 755 HP, installed in February 2010 (500 kW, 2500 gallon fuel tank)
- (b) One (1) CEP Stationary Fire Pump engine 5.9 liter rated at 171 HP, installed December 2009 with maximum capacity of 300 gallons[326 IAC 2-7-1(21)(J)(xxii)(CC)]

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

New Source Performance Standard (NSPS) [40 CFR 60]

E.1.1 General Provisions Relating to New Source Performance Standards [326 IAC 12-1][40 CFR Part 60, Subpart A]

- (a) The provisions of 40 CFR 60, Subpart A - General Provisions, which are incorporated by reference in 326 IAC 12-1, apply to the one diesel emergency fire pump except when otherwise specified in 40 CFR 60, Subpart IIII.
- (b) Pursuant to 40 CFR 60.4, the Permittee shall submit all required notifications and reports to:

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

E.1.2 Standards of Performance for Stationary Compression Ignition Internal Combustion Engines [40 CFR Part 60, Subpart IIII][326 IAC 12]

Pursuant to 40 CFR Part 60, Subpart IIII, the Permittee shall comply with the provisions of the Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (included as Attachment B in this permit), which are incorporated by reference as 326 IAC 12, for the one diesel emergency fire pump, as specified as follows:

- (1) 40 CFR 60.4200(a)(2)
- (2) 40 CFR 60.4200(a)(3)
- (3) 40 CFR 60.4200(b)
- (4) 40 CFR 60.4205(c)
- (6) 40 CFR 60.4206
- (7) 40 CFR 60.4207(b)
- (8) 40 CFR 60.4207(c)
- (9) 40 CFR 60.4208
- (10) 40 CFR 60.4209(a)
- (11) 40 CFR 60.4211(a)
- (12) 40 CFR 60.4211(b)
- (13) 40 CFR 60.4211(e)
- (14) 40 CFR 60.4212
- (15) 40 CFR 60.4214(b)
- (16) 40 CFR 60.4218
- (17) 40 CFR 60.4219
- (18) Tables 1, 3, 4, 5, 8

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E.1.3 General Provisions Relating to New Source Performance Standards [326 IAC 12-1][40 CFR Part 60, Subpart A]

- (a) The provisions of 40 CFR 60, Subpart A - General Provisions, which are incorporated by reference in 326 IAC 12-1, apply to the one (1) Diesel Emergency Generator, identified as Genset 2, rated at 755 HP, except when otherwise specified in 40 CFR 60, Subpart III.

- (b) Pursuant to 40 CFR 60.4, the Permittee shall submit all required notifications and reports to:
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

E.1.4 Standards of Performance for Stationary Compression Ignition Internal Combustion Engines [40 CFR Part 60, Subpart III][326 IAC 12]

Pursuant to 40 CFR Part 60, Subpart III, the Permittee shall comply with the provisions of the Standards of Performance for Stationary Compression Ignition Internal Combustion Engine (included as Attachment B in this permit), which are incorporated by reference as 326 IAC 12, for the one (1) Diesel Emergency Generator, identified as Genset 2, rated at 755 HP, as specified as follows:

- 1. 40 CFR 60.4200(a)(2)(i);
- 2. 40 CFR 60.4202(2)(b)(1)
- 3. 40 CFR 60.4205(b);
- 4. 40 CFR 60.4206;
- 5. 40 CFR 60.4207(a), (b);
- 6. 40 CFR 60.4209(a);
- 7. 40 CFR 60.4211(a), (c), (f);
- 8. 40 CFR 60.4214(b);
- 9. 40 CFR 60.4218; and
- 10. 40 CFR 60.4219

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SECTION E.2 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

- (a) One (1) Diesel Emergency Generator, Genset 1, rated at 380 HP, installed in 1999 (200 kW, 350 gallon fuel tank).
- (b) One (1) Diesel Emergency Generator, identified as Genset 2, rated at 755 HP, installed in February 2010 (500 kW, 2500 gallon fuel tank)
- (c) One (1) CEP Stationary Fire Pump engine 5.9 liter rated at 171 HP, installed December 2009 with maximum capacity of 300 gallons[326 IAC 2-7-1(21)(J)(xxii)(CC)]

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

National Emissions Standard for Hazardous Air Pollutants (NESHAP) [40 CFR 63]

E.2.1 General Provisions Relating to National Emission Standards for Hazardous Air Pollutants (NESHAP) [326 IAC 20-82][40 CFR 63, Subpart A]

- (a) The provisions of 40 CFR 63, Subpart A - General Provisions, which are incorporated by reference in 326 IAC 20-1-1, apply to the one (1) Diesel Emergency Generator, Genset 1, rated at 380 HP, installed in 1999, except when otherwise specified in 40 CFR 63, Subpart ZZZZ.
- (b) Pursuant to 40 CFR 63.10, the Permittee shall submit all required notifications and reports to:

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

E.2.2 Stationary Reciprocating Internal Combustion Engines NESHAPS Requirements [40 CFR 60, Subpart ZZZZ][326 IAC 12]

Pursuant to 40 CFR 60 Subpart ZZZZ, the Permittee shall comply with the provisions of 40 CFR 60 Subpart ZZZZ (included as Attachment A in this permit), which are incorporated as 326 IAC 12-1 for the one (1) Diesel Emergency Generator, Genset 1, rated at 380 HP, installed in 1999 as specified as follows:

- (1) 40 CFR 63.6580
- (2) 40 CFR 63.6585
- (3) 40 CFR 63.6590(a)(1)
- (4) 40 CFR 63.6595(a)(1), (b), and (c)
- (5) 40 CFR 63.6603
- (6) 40 CFR 63.6605
- (7) 40 CFR 63.6625(e)(3), (f), (h), and (i)
- (8) 40 CFR 63.6635
- (9) 40 CFR 63.6640
- (10) 40 CFR 63.6645(a)(2)
- (11) 40 CFR 63.6650
- (12) 40 CFR 63.6655
- (13) 40 CFR 63.6660
- (14) 40 CFR 63.6665

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- (15) 40 CFR 63.6670
- (16) 40 CFR 63.6675
- (17) Table 2d (item 4)
- (18) Table 6 (item 9)
- (19) Table 8

E.2.3 General Provisions Relating to National Emission Standards for Hazardous Air Pollutants (NESHAP) [326 IAC 20-82][40 CFR 63, Subpart A]

- (a) The provisions of 40 CFR 63, Subpart A - General Provisions, which are incorporated by reference in 326 IAC 20-1-1, apply to the One (1) Diesel Emergency Generator, Genset 2, rated at 755 HP, installed in February 2010, except when otherwise specified in 40 CFR 63, Subpart ZZZZ.
- (b) Pursuant to 40 CFR 63.10, the Permittee shall submit all required notifications and reports to:

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

E.2.4 Stationary Reciprocating Internal Combustion Engines NESHAPS Requirements [40 CFR 60, Subpart ZZZZ][326 IAC 12]

Pursuant to 40 CFR 60 Subpart ZZZZ, the Permittee shall comply with the provisions of 40 CFR 60 Subpart ZZZZ (included as Attachment A in this permit), which are incorporated as 326 IAC 12-1 for the one (1) Diesel Emergency Generator, Genset 2, rated at 755 HP, installed in February 2010 as specified as follows:

- (1) 40 CFR 63.6580;
- (2) 40 CFR 63.6585(a) and (c);
- (3) 40 CFR 63.6590(a)(2)(iii) and (c);
- (4) 40 CFR 63.6665
- (5) 40 CFR 63.6670(a); and
- (6) 40 CFR 63.6675

E.2.5 General Provisions Relating to National Emission Standards for Hazardous Air Pollutants (NESHAP) [326 IAC 20-82][40 CFR 63, Subpart A]

- (a) The provisions of 40 CFR 63, Subpart A - General Provisions, which are incorporated by reference in 326 IAC 20-1-1, apply to the one diesel emergency fire pump, except when otherwise specified in 40 CFR 63, Subpart ZZZZ.
- (b) Pursuant to 40 CFR 63.10, the Permittee shall submit all required notifications and reports to:

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

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E.2.6 Stationary Reciprocating Internal Combustion Engines NESHAPS Requirements [40 CFR 60, Subpart ZZZZ][326 IAC 12]

Pursuant to 40 CFR 60 Subpart ZZZZ, the Permittee shall comply with the provisions of 40 CFR 60 Subpart ZZZZ (included as Attachment A in this permit), which are incorporated as 326 IAC 12-1 for the one diesel emergency fire pump, constructed in 2009 as specified as follows:

- (1) 40 CFR 63.6580
- (2) 40 CFR 63.6595
- (3) 40 CFR 63.6625(e)(3), (f), (h), and (i)
- (4) 40 CFR 63.6645(a)(5)
- (5) 40 CFR 63.6665
- (6) 40 CFR 63.6585
- (7) 40 CFR 63.6603(a)
- (8) 40 CFR 63.6635
- (9) 40 CFR 63.6655 (e) and (f)
- (10) 40 CFR 63.6670
- (11) 40 CFR 63.6605
- (12) 40 CFR 63.6590
- (13) 40 CFR 63.6640(b)and (f)
- (14) 40 CFR 63.6660
- (15) 40 CFR 63.6675

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INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR QUALITY COMPLIANCE AND ENFORCEMENT BRANCH PART 70 OPERATING PERMIT CERTIFICATION

Source Name: Columbus Engine Plant
Source Address: 500 Central Avenue, Columbus, Indiana 47201
Part 70 Permit No.: T005-32595-00015

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: _____

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**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT 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: Columbus Engine Plant
Source Address: 500 Central Avenue, Columbus, Indiana 47201
Part 70 Permit No.: T005-32595-00015

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:

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

Page 2 of 2

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

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____

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

Part 70 Quarterly Report

Source Name: Columbus Engine Plant
 Source Address: 500 Central Avenue , Columbus, Indiana 47201
 Part 70 Permit No.: T 005-32595-00015
 Facility: Eight (8) test cells EU-1-8/LDTC 1-8, Four (4) Containerized Production test Cells EU-09 through EU-12, Four (4) Electric test cells EU-13-16, Four (4) test Cells EU-18 through EU-21/LDTC 9-12, One (1) Electric Test Cell EU-17 LDD5, Diesel 755, Diesel 380, Diesel Fire Pump four (4) Aero-96 Boilers, three (3) Raypak-61 Boilers, three (3) Raypak-72 Boilers, two (2) Fire Tube Steam Boilers, four (4) Lochinvar Boilers, and natural gas make up units, identified as Make up Units, B30-1-4, AHAP 1-12, B47, LDD (MAU) 1-9, B73, (1) Cell 5-12 Combustion Air Unit, (1) LDD RTU 11, (1) B30 RTU (CES Lab), (5) Heat Roll Up DR, (1) B73 Conference Room Heater, (3) Dock Heat, (16) Perimeter Heat, (2) Perimeter Heat (B72 Mex Sub), (6) Viking Dock B60, (8) Viking Perimeter Heat, (4) Cell 1-4 Ventilation Inlets, (1) LDD AHU 12, (4) Viking Perimeter Heat (Chip Dock), (7) B82 Dock Heat, (1) Building 42 Heater, (1) LDD RTU 10, (1) AHU (Hybrid Engine Vehicle lab), (1) Cell 5-8 Ventilation Inlets, (2) AHU-N4A-42 (MAU), Cell 9-12 Ventilation Inlets

Parameter: NOx Emissions
 Limit: Less than 240 tons per twelve (12) consecutive month period

QUARTER :

YEAR:

Month	Total NOx Emissions	Total NOx Emissions for	Total NOx Emissions for
	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: _____

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

Part 70 Quarterly Report

Source Name: Columbus Engine Plant
 Source Address: 500 Central Avenue, Columbus, Indiana 47201
 Part 70 Permit No.: T005 32595 00015
 Facility: Eight (8) test cells EU-1-8/LDTC 1-8, Four (4) Containerized Production test Cells EU-09 through EU-12, Four (4) Electric test cells EU-13-16, Four (4) test Cells EU-18 through EU-21/LDTC 9-12, One (1) Electric Test Cell EU-17 LDD5, Diesel 755, Diesel 380, Diesel Fire Pump, four (4) Aero-96 Boilers, three (3) Raypak-61 Boilers, three (3) Raypak-72 Boilers, two (2) Fire Tube Steam Boilers, four (4) Lochinvar Boilers, and natural gas make up units, identified as Make up Units, B30-1-4, AHAP 1-12, B47, LDD (MAU) 1-9, B73, (1) Cell 5-12 Combustion Air Unit, (1) LDD RTU 11, (1) B30 RTU (CES Lab), (5) Heat Roll Up DR, (1) B73 Conference Room Heater, (3) Dock Heat, (16) Perimeter Heat, (2) Perimeter Heat (B72 Mex Sub), (6) Viking Dock B60, (8) Viking Perimeter Heat, (4) Cell 1-4 Ventilation Inlets, (1) LDD AHU 12, (4) Viking Perimeter Heat (Chip Dock), (7) B82 Dock Heat, (1) Building 42 Heater, (1) LDD RTU 10, (1) AHU (Hybrid Engine Vehicle lab), (1) Cell 5-8 Ventilation Inlets, (2) AHU-N4A-42 (MAU), Cell 9-12 Ventilation Inlets
 Parameter: CO Emissions
 Limit: Less than 240 tons per twelve (12) consecutive month period

QUARTER :

YEAR:

Month	Total CO Emissions	Total CO Emissions for	Total CO Emissions for
	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: _____

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

Source Name: Columbus Engine Plant
 Source Address: 500 Central Avenue, Columbus, Indiana 47201
 Part 70 Permit No.: T005-32595-00015

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

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

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

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

100 N. Senate Avenue • Indianapolis, IN 46204

(800) 451-6027 • (317) 232-8603 • www.idem.IN.gov

Michael R. Pence
Governor

Carol S. Comer
Commissioner

DRAFT

Mr. Mark Slaton
Columbus Engine Plant
500 Central Avenue
Columbus, IN 47201

Re: 005-36676-00015
Significant Permit Modification to
Part 70 Renewal No.: T005-32595-00015

Dear Mr. Slaton:

Columbus Engine Plant was issued Part 70 Operating Permit Renewal No. T005-32595-00015 on August 13, 2013 for a stationary internal combustion engine manufacturing, testing, and internal combustion engines source located at 500 Central Avenue, Columbus, IN 47201. An application requesting changes to this permit was received on December 20, 2015. Pursuant to the provisions of 326 IAC 2-7-12, a Significant Permit Modification to this permit is hereby approved as described in the attached Technical Support Document.

Please find attached the entire Part 70 Operating Permit as modified. The permit references the below listed attachment(s), since these attachments were provided in previously issued approvals for this source, IDEM OAQ has not included a copy of these attachments with this modification:

- Attachment A: 40 CFR 63, Subpart ZZZZ, National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines
- Attachment B: 40 CFR 60, Subpart IIII, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

Previously issued approvals for this source containing these attachments are available on the Internet at: <http://www.in.gov/ai/appfiles/idem-caats/>.

Federal rules under Title 40 of United States Code of Federal Regulations may also be found on the U.S. Government Printing Office's Electronic Code of Federal Regulations (eCFR) website, located on the Internet at: http://www.ecfr.gov/cgi-bin/text-idx?tpl=/ecfrbrowse/Title40/40tab_02.tpl.

A copy of the permit 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 Permit Guide on the Internet at: <http://www.in.gov/idem/5881.htm>; and the Citizens' Guide to IDEM on the Internet at: <http://www.in.gov/idem/6900.htm>.

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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 Deena Patton, of my staff, OAQ, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana, 46204-2251 at 317-234-5400 or 1-800-451-6027, and ask for extension 4-5400.

Sincerely,

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

Attachments: Modified Permit and Technical Support Document

cc: File - Bartholomew County
Bartholomew County Health Department
U.S. EPA, Region 5
Compliance and Enforcement Branch
IDEM Southeast Regional Office

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

**Technical Support Document (TSD) for a Part 70 Significant Permit
Modification**

Source Description and Location

Source Name:	Columbus Engine Plant
Source Location:	500 Central Avenue, Columbus, IN 47201
County:	Bartholomew
SIC Code:	3591
Operation Permit No.:	T 005-32595-00015
Operation Permit Issuance Date:	August 13, 2013
Significant Permit Modification No.:	005-36719-00015
Permit Reviewer:	Deena Patton

Existing Approvals

The source was issued Part 70 Operating Permit No. 005-32595-00015 on August 13, 2013. The source has since received the following approvals:

- (a) Administrative Amendment No. 005-33656-00015, issued on October 22, 2013;
- (b) Significant Source Modification No. 005-34644-00015, issued on September 25, 2014;
- (c) Significant Permit Modification No. 005-34664-00015, issued on October 15, 2014; and
- (d) Administrative Amendment No. 005-36465-00015, issued on January 12, 2016.

County Attainment Status

The source is located in Bartholomew County.

Pollutant	Designation
SO ₂	Better than national standards.
CO	Unclassifiable or attainment effective November 15, 1990.
O ₃	Unclassifiable or attainment effective July 20, 2012, for the 2008 8-hour ozone standard. ¹
PM ₁₀	Unclassifiable effective November 15, 1990.
PM _{2.5}	Unclassifiable or attainment effective April 5, 2005, for the annual PM _{2.5} standard.
PM _{2.5}	Unclassifiable or attainment effective December 13, 2009, for the 24-hour PM _{2.5} standard.
NO ₂	Cannot be classified or better than national standards.
Pb	Unclassifiable or attainment effective December 31, 2011.

¹Unclassifiable or attainment effective October 18, 2000, for the 1-hour ozone standard which was revoked effective June 15, 2005.

- (a) **Ozone Standards**
Volatile organic compounds (VOC) and Nitrogen Oxides (NO_x) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NO_x emissions are considered when evaluating the rule applicability relating to ozone. Bartholomew County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NO_x emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

- (b) **PM_{2.5}**
Bartholomew County has been classified as attainment for PM_{2.5}. Therefore, direct PM_{2.5}, SO₂, and NO_x emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.
- (c) **Other Criteria Pollutants**
Bartholomew County has been classified as attainment or unclassifiable in Indiana for all other criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

Fugitive Emissions

Since this type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2, 326 IAC 2-3, or 326 IAC 2-7, and there is no applicable New Source Performance Standard that was in effect on August 7, 1980, fugitive emissions are not counted toward the determination of PSD, Emission Offset, and Part 70 Permit applicability.

Source Status - Existing Source

The table below summarizes the potential to emit of the entire source, prior to the proposed modification, after consideration of all enforceable limits established in the effective permits:

Pollutant	Emissions (ton/yr)
PM	84.76
PM ₁₀	87.46
PM _{2.5}	87.15
SO ₂	77.59
NO _x	240
VOC	102.42
CO	240
Total HAPs	7.42
Worst Single HAP	< 10

On June 23, 2014, in the case of *Utility Air Regulatory Group v. EPA*, cause no. 12-1146, (available at http://www.supremecourt.gov/opinions/13pdf/12-1146_4q18.pdf) the United States Supreme Court ruled that the U.S. EPA does not have the authority to treat greenhouse gases (GHGs) as an air pollutant for the purpose of determining operating permit applicability or PSD Major source status. On July 24, 2014, the U.S. EPA issued a memorandum to the Regional Administrators outlining next steps in permitting decisions in light of the Supreme Court's decision. U.S. EPA's guidance states that U.S. EPA will no longer require PSD or Title V permits for sources "previously classified as 'Major' based solely on greenhouse gas emissions."

The Indiana Environmental Rules Board adopted the GHG regulations required by U.S. EPA at 326 IAC 2-2-1(zz), pursuant to Ind. Code § 13-14-9-8(h) (Section 8 rulemaking). A rule, or part of a rule, adopted under Section 8 is automatically invalidated when the corresponding federal rule, or part of the rule, is invalidated. Due to the United States Supreme Court Ruling, IDEM, OAQ cannot consider GHGs emissions to determine operating permit applicability or PSD applicability to a source or modification.

- (a) This existing source is not a major stationary source, under PSD (326 IAC 2-2), because no PSD regulated pollutant, excluding GHGs, is emitted at a rate of two hundred fifty (250) tons per year or more and it is not one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(ff)(1).

- (b) These emissions are based upon Appendix A of Technical Support Document No.: 005-36465-00015, issued January 12, 2016.
- (c) This existing source is not a major source of HAPs, as defined in 40 CFR 63.2, because HAPs emissions are less than ten (10) tons per year for any single HAP and less than twenty-five (25) tons per year of a combination of HAPs. Therefore, this source is an area source under Section 112 of the Clean Air Act (CAA).

Description of Proposed Modification

The Office of Air Quality (OAQ) has reviewed a modification application, submitted by Columbus Engine Plant on December 30, 2015, the removal of language in Section D.4, and the re-identification of paint booth 1 (P1) to a maintenance booth. The following is a list of the proposed emission units and pollution control device(s):

- (a) The source has stated that the paint booth (P1) is a maintenance activity, not a manufacturing activity.

Enforcement Issues

There are no pending enforcement actions.

Emission Calculations

See Appendix A of this Technical Support Document for detailed emission calculations.

Permit Level Determination – Part 70 Modification to an Existing Source

Pursuant to 326 IAC 2-1.1-1(16), Potential to Emit is defined as “the maximum capacity of a stationary source or emission unit to emit any air pollutant under its physical and operational design. Any physical or operational limitation on the capacity of a source to emit an air pollutant, including air pollution control equipment and restrictions on hours of operation or type or amount of material combusted, stored, or processed shall be treated as part of its design if the limitation is enforceable by the U. S. EPA, IDEM, or the appropriate local air pollution control agency.”

There is no increase in the potential to emit of any regulated pollutants associated with this modification. This modification is not subject to the source modification requirements under 326 IAC 2-7-10.5. The changes will be incorporated into the permit as significant permit modification issued pursuant to 326 IAC 2-7-12(d), since the modification involves significant changes to existing recording keeping conditions.

Permit Level Determination – PSD

On June 23, 2014, in the case of *Utility Air Regulatory Group v. EPA*, cause no. 12-1146, (available at http://www.supremecourt.gov/opinions/13pdf/12-1146_4g18.pdf) the United States Supreme Court ruled that the U.S. EPA does not have the authority to treat greenhouse gases (GHGs) as an air pollutant for the purpose of determining operating permit applicability or PSD Major source status. On July 24, 2014, the U.S. EPA issued a memorandum to the Regional Administrators outlining next steps in permitting decisions in light of the Supreme Court’s decision. U.S. EPA’s guidance states that U.S. EPA will no longer require PSD or Title V permits for sources “previously classified as ‘Major’ based solely on greenhouse gas emissions.”

The Indiana Environmental Rules Board adopted the GHG regulations required by U.S. EPA at 326 IAC 2-2-1(zz), pursuant to Ind. Code § 13-14-9-8(h) (Section 8 rulemaking). A rule, or part of a rule, adopted under Section 8 is automatically invalidated when the corresponding federal rule, or part of the rule, is invalidated. Due to the United States Supreme Court Ruling, IDEM, OAQ cannot consider GHGs emissions to determine operating permit applicability or PSD applicability

to a source or modification.

This modification to an existing minor PSD stationary source is not major because the emissions increase of each PSD regulated pollutant are less than the PSD major source thresholds. Therefore, pursuant to 326 IAC 2-2, the PSD requirements do not apply.

Federal Rule Applicability Determination

The following federal rules are applicable to the source due to this modification:

NSPS:

- (a) There are no New Source Performance Standards (NSPS)(326 IAC 12 and 40 CFR Part 60) applicable to this proposed modification.

NESHAP:

- (b) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs) (326 IAC 14, 326 IAC 20 and 40 CFR Part 63) applicable to this proposed modification.

CAM:

- (c) The requirements of 40 CFR Part 64, CAM are not applicable to any of the new units as part of this modification, because the units do not have a potential to emit before controls equal to or greater than the Part 70 major source threshold for PM, PM10, or PM2.5.

State Rule Applicability Determination

The following state rules are applicable to the source due to the modification:

326 IAC 2-2 (PSD)

PSD applicability is discussed under the Permit Level Determination – PSD section.

326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP))

The operation of Blaster 1 and Blaster 2 will emit less than ten (10) tons per year for a single HAP and less than twenty-five (25) tons per year for a combination of HAPs. Therefore, 326 IAC 2-4.1 does not apply.

326 IAC 2-6 (Emission Reporting)

Since this source is required to have an operating permit under 326 IAC 2-7, Part 70 Permit Program, this source is subject to 326 IAC 2-6 (Emission Reporting). In accordance with the compliance schedule in 326 IAC 2-6-3, an emission statement must be submitted triennially. The first report is due no later than July 1, 2017, and subsequent reports are due every three (3) years thereafter. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4.

Compliance Determination and Monitoring Requirements

Permits issued under 326 IAC 2-7 are required to ensure that sources can demonstrate compliance with all applicable state and federal rules on a continuous basis. All state and federal rules contain compliance provisions; however, these provisions do not always fulfill the requirement for a continuous demonstration. When this occurs, IDEM, OAQ, in conjunction with the source, must develop specific conditions to satisfy 326 IAC 2-7-5. As a result, Compliance Determination Requirements are included in the permit. The Compliance Determination Requirements in Section D of the permit are those conditions that are found directly within state and federal rules and the violation of which serves as grounds for enforcement action.

If the Compliance Determination Requirements are not sufficient to demonstrate continuous compliance, they will be supplemented with Compliance Monitoring Requirements, also in Section D of the permit. Unlike Compliance Determination Requirements, failure to meet Compliance Monitoring conditions would serve as a trigger for corrective actions and not grounds

for enforcement action. However, a violation in relation to a compliance monitoring condition will arise through a source's failure to take the appropriate corrective actions within a specific time period.

- (a) There are no compliance determination and monitoring requirements applicable to this modification.
- (b) There are no testing requirements applicable to this modification.

Proposed Changes

The changes listed below have been made to Part 70 Operating Permit No. T005-32595-00015, issued August 13, 2013. Deleted language appears as ~~strikethroughs~~ and new language appears in **bold**:

A.3 Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-7-4(c)]
[326 IAC 2-7-5(14)]

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

- (e) ~~One (1) paint booth, identified as P1, constructed in 2012, with a maximum capacity of one part per hour, using HVLP spray guns, with particulate emissions controlled by filters and exhausting to stack PB-1.~~ **Reserved**

SECTION D.3 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description: Insignificant Activities

(a) ***

- ~~(e) One (1) paint booth, identified as P1, constructed in 2012, with a maximum capacity of one part per hour, using HVLP spray guns, with particulate emissions controlled by filters and exhausting to stack PB-1.~~

(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 Limitations for Manufacturing Processes [326 IAC 6-3-2]

~~D.3.5 Volatile Organic Compounds (VOC) [326 IAC 8-2-9]~~

~~Pursuant to 326 IAC 8-2-9 (Miscellaneous Metal Coating Operations), the Permittee shall not allow the discharge of VOC into the atmosphere from the paint booth P1 in excess of three (3) pounds of VOC per gallon of coating, excluding water, as delivered to the applicator.~~

~~D.3.6 Volatile Organic Compound (VOC) Limitations, Clean-up Requirements [326 IAC 8-2-9 (f)]~~

~~Pursuant to 326 IAC 8-2-9(f), work practices shall be used to minimize VOC emissions from mixing operations, storage tanks, and other containers, and handling operations for coatings, thinners, cleaning materials, and waste materials. Work practices shall include, but not be limited to, the following:~~

- ~~(1) Store all VOC containing coatings, thinners, coating related waste, and cleaning materials in closed containers.~~
- ~~(2) Ensure that mixing and storage containers used for VOC containing coatings, thinners, coating related waste, and cleaning materials are kept closed at all times except when depositing or removing these materials.~~
- ~~(3) Minimize spills of VOC containing coatings, thinners, coating related waste, and cleaning materials.~~
- ~~(4) Convey VOC containing coatings, thinners, coating related waste, and cleaning materials from one (1) location to another in closed containers or pipes.~~
- ~~(5) Minimize VOC emissions from the cleaning of application, storage, mixing, and conveying equipment by ensuring that equipment cleaning is performed without atomizing the cleaning solvent and all spent solvent is captured in closed containers.~~

~~D.3.7 Volatile Organic Compounds (VOC) [326 IAC 8-1-4] [326 IAC 8-1-2]~~

~~Compliance with the VOC content limit in Condition D.3.5 shall be determined pursuant to 326 IAC 8-1-4(a)(3)(A) using formulation data supplied by the coating manufacturer. However, IDEM, OAQ, reserves the authority to determine compliance using Method 24 in conjunction with the analytical procedures specified in 326 IAC 8-1-4.~~

~~Record Keeping and Reporting Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-7-6(1) to (6)]~~

~~D.3.8 Record Keeping Requirements~~

- ~~(a) To document compliance with Conditions D.3.5 and D.3.6, the Permittee shall maintain records in accordance with (1) and (2) below. Records maintained for (1) and (2) shall be taken as stated below and shall be complete and sufficient to establish compliance with the VOC content limit established in Condition D.3.6.~~
 - ~~(1) The VOC content of each coating material and solvent used less water.~~
 - ~~(2) The amount of coating material and solvent used on monthly basis.~~
 - ~~(A) Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used.~~
 - ~~(B) Solvent usage records shall differentiate between those added to coatings and those used as cleanup solvent.~~
- ~~(b) Section C - General Record Keeping Requirements contains the Permittee's obligation with regard to the records required by this condition.~~

Conclusion and Recommendation

The construction of this proposed modification shall be subject to the conditions of the attached proposed Part 70 Significant Permit Modification No. 005-36719-00015. The staff recommends to the Commissioner that this Part 70 Minor Source and Significant Permit Modification be approved.

IDEM Contact

- (a) Questions regarding this proposed permit can be directed to Deena Patton at the Indiana Department Environmental Management, Office of Air Quality, Permits Branch, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251 or by telephone at (317) 234-5400 or toll free at 1-800-451-6027 extension 4-5400.
- (b) A copy of the findings is available on the Internet at: <http://www.in.gov/ai/appfiles/idem-caats/>
- (c) For additional information about air permits and how the public and interested parties can participate, refer to the IDEM Permit Guide on the Internet at: <http://www.in.gov/idem/5881.htm>; and the Citizens' Guide to IDEM on the Internet at: <http://www.in.gov/idem/6900.htm>.



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

100 N. Senate Avenue • Indianapolis, IN 46204

(800) 451-6027 • (317) 232-8603 • www.idem.IN.gov

Michael R. Pence
Governor

Carol S. Comer
Commissioner

Notice of Public Comment

February 3, 2016
Columbus Engine Plant
005-36676-00015

Dear Concerned Citizen(s):

You have been identified as someone who could potentially be affected by this proposed air permit. The Indiana Department of Environmental Management, in our ongoing efforts to better communicate with concerned citizens, invites your comment on the draft permit.

Enclosed is a Notice of Public Comment, which has been placed in the Legal Advertising section of your local newspaper. The application and supporting documentation for this proposed permit have been placed at the library indicated in the Notice. These documents more fully describe the project, the applicable air pollution control requirements and how the applicant will comply with these requirements.

If you would like to comment on this draft permit, please contact the person named in the enclosed Public Notice. Thank you for your interest in the Indiana's Air Permitting Program.

Please Note: *If you feel you have received this Notice in error, or would like to be removed from the Air Permits mailing list, please contact Patricia Pear with the Air Permits Administration Section at 1-800-451-6027, ext. 3-6875 or via e-mail at PPEAR@IDEM.IN.GOV. If you have recently moved and this Notice has been forwarded to you, please notify us of your new address and if you wish to remain on the mailing list. Mail that is returned to IDEM by the Post Office with a forwarding address in a different county will be removed from our list unless otherwise requested.*

Enclosure
PN AAA Cover.dot 8/27/2015



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Michael R. Pence
Governor

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Commissioner

AFFECTED STATE NOTIFICATION OF PUBLIC COMMENT PERIOD DRAFT INDIANA AIR PERMIT

February 3, 2016

A 30-day public comment period has been initiated for:

Permit Number: 005-36676-00015
Applicant Name: Columbus Engine Plant
Location: Columbus, Bartholomew County, Indiana

The public notice, draft permit and technical support documents can be accessed via the **IDEM Air Permits Online** site at:

<http://www.in.gov/ai/appfiles/idem-caats/>

Questions or comments on this draft permit should be directed to the person identified in the public notice by telephone or in writing to:

Indiana Department of Environmental Management
Office of Air Quality, Permits Branch
100 North Senate Avenue
Indianapolis, IN 46204

Questions or comments regarding this email notification or access to this information from the EPA Internet site can be directed to Chris Hammack at chammack@idem.IN.gov or (317) 233-2414.

Affected States Notification.dot 8/27/2015



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Michael R. Pence
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Carol S. Comer
Commissioner

February 3, 2016

Mr. Mark Slaton
Columbus Engine Plant
500 Central Avenue
Columbus, IN 47201

Re: Public Notice
Columbus Engine Plant
Permit Level: Significant Permit Modification
Permit Number: 005-36676-00015

Dear Mr. Slaton:

Enclosed is a copy of your draft Significant Permit Modification, Technical Support Document, emission calculations, and the Public Notice which will be printed in your local newspaper.

The Office of Air Quality (OAQ) has prepared two versions of the Public Notice Document. The abbreviated version will be published in the newspaper, and the more detailed version will be made available on the IDEM's website and provided to interested parties. Both versions are included for your reference. The OAQ has requested that the Republic in Columbus, Indiana publish the abbreviated version of the public notice no later than February 6, 2016. You will not be responsible for collecting any comments, nor are you responsible for having the notice published in the newspaper.

OAQ has submitted the draft permit package to the Bartholomew County Public Library, 536 5th Street in Columbus, Indiana. As a reminder, you are obligated by 326 IAC 2-1.1-6(c) to place a copy of the complete permit application at this library no later than ten (10) days after submittal of the application or additional information to our department. We highly recommend that even if you have already placed these materials at the library, that you confirm with the library that these materials are available for review and request that the library keep the materials available for review during the entire permitting process.

Please review the enclosed documents carefully. This is your opportunity to comment on the draft permit and notify the OAQ of any corrections that are needed before the final decision. Questions or comments about the enclosed documents should be directed to Deena Patton, Indiana Department of Environmental Management, Office of Air Quality, 100 N. Senate Avenue, Indianapolis, Indiana, 46204 or call (800) 451-6027, and ask for extension 4-5400 or dial (317) 234-5400.

Sincerely,

Greg Hotopp

Greg Hotopp
Permits Branch
Office of Air Quality

Enclosures
PN Applicant Cover letter 8/27/2015



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Michael R. Pence
Governor

Carol S. Comer
Commissioner

February 3, 2016

To: Bartholomew County Public Library

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

Subject: **Important Information to Display Regarding a Public Notice for an Air Permit**

Applicant Name: Columbus Engine Plant
Permit Number: 005-36676-00015

Enclosed is a copy of important information to make available to the public. This proposed project is regarding a source that may have the potential to significantly impact air quality. Librarians are encouraged to educate the public to make them aware of the availability of this information. The following information is enclosed for public reference at your library:

- Notice of a 30-day Period for Public Comment
- Request to publish the Notice of 30-day Period for Public Comment
- Draft Permit and Technical Support Document

You will not be responsible for collecting any comments from the citizens. Please refer all questions and request for the copies of any pertinent information to the person named below.

Members of your community could be very concerned in how these projects might affect them and their families. **Please make this information readily available until you receive a copy of the final package.**

If you have any questions concerning this public review process, please contact Joanne Smiddie-Brush, OAQ Permits Administration Section at 1-800-451-6027, extension 3-0185. Questions pertaining to the permit itself should be directed to the contact listed on the notice.

Enclosures
PN Library.dot 8/27/2015



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Michael R. Pence
Governor

Carol S. Comer
Commissioner

ATTENTION: PUBLIC NOTICES, LEGAL ADVERTISING

February 3, 2016

The Republic
333 Second Street
Columbus, IN 47201

Enclosed, please find one Indiana Department of Environmental Management Notice of Public Comment for Columbus Engine Plant, Bartholomew County, Indiana.

Since our agency must comply with requirements which call for a Notice of Public Comment, we request that you print this notice one time, no later than February 6, 2016.

Please send a notarized form, clippings showing the date of publication, and the billing to the Indiana Department of Environmental Management, Accounting, Room N1345, 100 North Senate Avenue, Indianapolis, Indiana, 46204.

To ensure proper payment, please reference account # 100174737.

We are required by the Auditor's Office to request that you place the Federal ID Number on all claims. If you have any conflicts, questions, or problems with the publishing of this notice or if you do not receive complete public notice information for this notice, please call Greg Hotopp at 800-451-6027 and ask for extension 4-3493 or dial 317-234-3493.

Sincerely,

Greg Hotopp

Greg Hotopp
Permit Branch
Office of Air Quality

Permit Level: Significant Permit Modification
Permit Number: 005-36676-00015

Enclosure

PN Newspaper.dot 8/27/2015

Mail Code 61-53

IDEM Staff	GHOTOPP 2/3/2016 Columbus Engine Plant 005-36676-00015 DRAFT		Type of Mail: CERTIFICATE OF MAILING ONLY	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		

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		Mark Slaton Columbus Engine Plant 500 Central Avenue Columbus IN 47201 (Source CAATS)										
2		Wayne K Ripberger Plant Manager Columbus Engine Plant 500 Central Avenue Columbus IN 47201 (RO CAATS)										
3		Columbus City Council and Mayors Office 123 Washington St Columbus IN 47201 (Local Official)										
4		Mr. Elbert Held 734 Hutchins Columbus IN 47201 (Affected Party)										
5		Mr. Lcnfc 1039 Sycamore St Columbus IN 47201 (Affected Party)										
6		Bartholomew Co Public Library 536 Fifth St. Columbus IN 47201-6225 (Library)										
7		Bartholomew County Commissioners 440 Third Street Columbus IN 47202 (Local Official)										
8		Mr. Jean Terpstra 3210 Grove Pkwy Columbus IN 47203 (Affected Party)										
9		Terry Lowe 1079 Spring Meadow Court Franklin IN 46131 (Affected Party)										
10		Mr. Charles Mitch 3210 Grove Parkway Columbus IN 47203 (Affected Party)										
11		Bartholomew County Health Department 440 3rd Street, Suite 303 Columbus IN 47201 (Health Department)										
12		Tony DeMarco Bruce Carter Associates 616 S 4th Street Elkhart IN 46516 (Consultant)										
13												
14												
15												

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12			