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

Mitchell E. Daniels, Jr.
Governor

Thomas W. Easterly
Commissioner

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

TO: Interested Parties / Applicant

DATE: November 30, 2007

RE: Tate & Lyle, Lafayette South / 157-24984-00033

FROM: Nisha Sizemore
Chief, Permits Branch
Office of Air Quality

Notice of Decision: Approval – Effective Immediately

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to IC 13-17-3-4 and 326 IAC 2, this permit modification is effective immediately, unless a petition for stay of effectiveness is filed and granted, and may be revoked or modified in accordance with the provisions of IC 13-15-7-1.

If you wish to challenge this decision, IC 4-21.5-3-7 and IC 13-15-7-3 require that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office Environmental Adjudication, 100 North Senate Avenue, Government Center North, Room 1049, Indianapolis, IN 46204, **within eighteen (18) days of the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

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

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

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

Recycled Paper An Equal Opportunity Employer *Please Recycle*

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

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

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

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

Enclosures
FNTV-PMOD.doc 03/23/06

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

Mitchell E. Daniels, Jr.
Governor

Thomas W. Easterly
Commissioner

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

Ms. Susan Hayenga
Tate & Lyle, Lafayette South
3300 U.S. 52 South
Lafayette, Indiana 47905

November 30, 2007

Re: 157-24984-00033
First Significant Permit Modification to:
Part 70 Operating Permit No. 157-6008-00033

Dear Ms. Hayenga:

Tate & Lyle, Lafayette South was issued Part 70 Operating Permit No. 157-6008-00033 on June 28, 2004 for a stationary corn wet milling plant. Letters requesting changes to this permit were received on May 29, 2007. Pursuant to 326 IAC 2-7-12, a significant permit modification to this permit is hereby approved as described in the attached Technical Support Document.

The modification consists of adding a new carbon reactivation furnace (LA-28B) and changing operation method for the existing Krystar Dryer/Cooler (LA-51). In addition, IDEM, OAQ has also made changes to the conditions in Sections B and C of the Permittee's Part 70 operating permit.

All other conditions of the permit shall remain unchanged and in effect. Please find attached a copy of the revised permit.

Pursuant to Contract No. A305-5-65, IDEM, OAQ has assigned the processing of this application to Eastern Research Group, Inc. (ERG). Therefore, questions should be directed to Yu-Lien Chu, ERG, 1600 Perimeter Park Drive, Morrisville, North Carolina 27560, or call (919) 386-1024 to speak directly to Ms. Chu. Questions may also be directed to Duane Van Laningham at IDEM, OAQ, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana, 46204-2251, or call (800) 451-6027 and ask for Duane Van Laningham or extension 3-6878, or dial (317) 233-6878.

Sincerely,

Original signed by
Nisha Sizemore, Chief
Permits Branch
Office of Air Quality

Attachments

ERG/YC

cc: File – Tippecanoe County
Tippecanoe County Health Department
Air Compliance Section Inspector
Compliance Data Section
Administrative and Development
Technical Support and Modeling
Billing, Licensing, and Training Section

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

Mitchell E. Daniels, Jr.
Governor

Thomas W. Easterly
Commissioner

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

PART 70 OPERATING PERMIT
OFFICE OF AIR QUALITY

Tate & Lyle, Lafayette South
3300 U.S. 52 South
Lafayette, Indiana 47905

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

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

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

Operation Permit No.: T157-6008-00033	
Issued by: Original signed by Janet McCabe Janet G. McCabe, Assistant Commissioner Office of Air Quality	Issuance Date: June 28, 2004 Expiration Date: June 28, 2009

First Administrative Amendment: 157-20549-00033, issued March 10, 2005

First Significant Permit Modification No.: 157-24984-00033	Pages Affected: Entire Permit
Issued by: *Original signed by* Nisha Sizemore, Chief Permits Branch Office of Air Quality	Issuance Date: November 30, 2007 Expiration Date: June 28, 2009

TABLE OF CONTENTS

SECTION A SOURCE SUMMARY 6
A.1 General Information [326 IAC 2-7-4(c)] [326 IAC 2-7-5(15)] [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(15)]
A.3 Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-7-4(c)] [326 IAC 2-7-5(15)]
A.4 Part 70 Permit Applicability [326 IAC 2-7-2]

SECTION B GENERAL CONDITIONS 11
B.1 Definitions [326 IAC 2-7-1]
B.2 Permit Term [326 IAC 2-7-5(2)][326 IAC 2-1.1-9.5][326 IAC 2-7-4(a)(1)(D)] [IC 13-15-3-6(a)]
B.3 Term of Conditions [326 IAC 2-1.1-9.5]
B.4 Enforceability [326 IAC 2-7-7]
B.5 Severability [326 IAC 2-7-5(5)]
B.6 Property Rights or Exclusive Privilege [326 IAC 2-7-5(6)(D)]
B.7 Duty to Provide Information [326 IAC 2-7-5(6)(E)]
B.8 Certification [326 IAC 2-7-4(f)][326 IAC 2-7-6(1)][326 IAC 2-7-5(3)(C)]
B.9 Annual Compliance Certification [326 IAC 2-7-6(5)]
B.10 Preventive Maintenance Plan [326 IAC 2-7-5(1),(3) and (13)][326 IAC 2-7-6(1) and (6)][326 IAC 1-6-3]
B.11 Emergency Provisions [326 IAC 2-7-16]
B.12 Permit Shield [326 IAC 2-7-15][326 IAC 2-7-20][326 IAC 2-7-12]
B.13 Prior Permits Superseded [326 IAC 2-1.1-9.5][326 IAC 2-7-10.5]
B.14 Termination of Right to Operate [326 IAC 2-7-10][326 IAC 2-7-4(a)]
B.15 Deviations from Permit Requirements and Conditions [326 IAC 2-7-5(3)(C)(ii)]
B.16 Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-7-5(6)(C)][326 IAC 2-7-8(a)][326 IAC 2-7-9]
B.17 Permit Renewal [326 IAC 2-7-3][326 IAC 2-7-4][326 IAC 2-7-8(e)]
B.18 Permit Amendment or Modification [326 IAC 2-7-11][326 IAC 2-7-12]
B.19 Permit Revision Under Economic Incentives and Other Programs [326 IAC 2-7-5(8)][326 IAC 2-7-12(b)(2)]
B.20 Operational Flexibility [326 IAC 2-7-20][326 IAC 2-7-10.5]
B.21 Source Modification Requirement [326 IAC 2-7-10.5] [326 IAC 2-2-2] [326 IAC 2-3-2]
B.22 Inspection and Entry [326 IAC 2-7-6][IC 13-14-2-2][IC 13-30-3-1][IC 13-17-3-2]
B.23 Transfer of Ownership or Operational Control [326 IAC 2-7-11]
B.24 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-7-5(7)][326 IAC 2-1.1-7]
B.25 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)]
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]

Testing Requirements [326 IAC 2-7-6(1)]
C.8 Performance Testing [326 IAC 3-6]

TABLE OF CONTENTS (Continued)

Compliance Requirements [326 IAC 2-1.1-11]
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)]
C.10 Compliance Monitoring [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]
C.11 Maintenance of Continuous Opacity Monitoring Equipment [326 IAC 2-7-5(3)(A)(iii)]
C.12 Monitoring Methods [326 IAC 3][40 CFR 60][40 CFR 63]

Corrective Actions and Response Steps [326 IAC 2-7-5] [326 IAC 2-7-6]
C.13 Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]
C.14 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]
C.15 Risk Management Plan [326 IAC 2-7-5(12)] [40 CFR 68]
C.16 Response to Excursions or Exceedances [326 IAC 2-7-5] [326 IAC 2-7-6]
C.17 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]
C.18 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.19 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6] [326 IAC 2-2]
C.20 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.11] [326 IAC 2-2]

Stratospheric Ozone Protection
C.21 Compliance with 40 CFR 82 and 326 IAC 22-1

SECTION D.1 FACILITY OPERATION CONDITIONS 30

Emission Limitations and Standards [326 IAC 2-7-5(1)]
D.1.1 Prevention of Significant Deterioration (PSD) [326 IAC 2-2]
D.1.2 Particulate Emission Limitations for Manufacturing Processes [326 IAC 6-3-2]
D.1.3 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

Compliance Determination Requirements
D.1.4 Particulate Control

Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]
D.1.5 Visible Emissions Notations
D.1.6 Parametric Monitoring
D.1.7 Broken or Failed Bag Detection

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]
D.1.8 Record Keeping Requirements

SECTION D.2 FACILITY OPERATION CONDITIONS 33

Emission Limitations and Standards [326 IAC 2-7-5(1)]
D.2.1 Prevention of Significant Deterioration (PSD) [326 IAC 2-2]
D.2.2 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

Compliance Determination Requirements
D.2.3 Sulfur Dioxide Control

Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]
D.2.4 Monitoring for Scrubber
D.2.5 Scrubber Failure Detection [326 IAC 2-7-6(1)][326 IAC 2-7-5(1)]

TABLE OF CONTENTS (Continued)

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]
D.2.6 Record Keeping Requirements

SECTION D.3 FACILITY OPERATION 35

Emission Limitations and Standards [326 IAC 2-7-5(1)]
D.3.1 CO Emissions [326 IAC 2-2] [326 IAC 2-7-6(3)] [326 IAC 2-7-15]
D.3.2 Prevention of Significant Deterioration (PSD) [326 IAC 2-2]
D.3.3 Particulate Emission Limitations for Manufacturing Processes [326 IAC 6-3-2]
D.3.4 Particulate Matter (Sources of Indirect Heating)[326 IAC 6-2-3(e)]
D.3.5 Sulfur Oxide [326 IAC 7-1.1-2] [326 IAC 7-2-1]
D.3.6 Volatile Organic Compounds - BACT [326 IAC 8-1-6]

Compliance Determination Requirements
D.3.7 Particulate, Sulfur Dioxide, and VOC Control
D.3.8 Operation of Electrostatic Precipitator [326 IAC 2-7-6(6)]
D.3.9 Operation of Multiclone [326 IAC 2-7-6(6)]
D.3.10 Sulfur Dioxide Emissions and Sulfur Content
D.3.11 Sulfur Dioxide Emissions and Sulfur Content [326 IAC 2-7-5(3)(A)] [326 IAC 2-7-6]
D.3.12 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]

Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]
D.3.13 Visible Emissions Notations
D.3.14 Cyclone Failure Detection [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]
D.3.15 Scrubber Monitoring
D.3.16 Scrubber Failure Detection [326 IAC 2-7-6(1)][326 IAC 2-7-5(1)]
D.3.17 Continuous Opacity Monitoring [326 IAC 3-5]
D.3.18 Opacity Readings
D.3.19 Method 9 Opacity Readings and Visible Emissions Notations

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]
D.3.20 Record Keeping Requirements
D.3.21 Reporting Requirements

SECTION D.4 FACILITY OPERATION CONDITIONS 45

Emission Limitations and Standards [326 IAC 2-7-5(1)]
D.4.1 Prevention of Significant Deterioration [326 IAC 2-2]
D.4.2 Particulate Emission Limitations for Manufacturing Processes [326 IAC 6-3-2]
D.4.3 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

Compliance Determination Requirements
D.4.4 Particulate Control
D.4.5 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]

Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]
D.4.6 Visible Emissions Notations
D.4.7 Parametric Monitoring
D.4.8 Broken or Failed Bag Detection
D.4.9 Cyclone Failure Detection [326 IAC 2-7-6(1)][326 IAC 2-7-5(1)]
D.4.10 Scrubber Monitoring
D.4.11 Scrubber Failure Malfunction

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]
D.4.12 Record Keeping Requirements

TABLE OF CONTENTS (Continued)

SECTION D.5 FACILITY CONDITIONS 50

Emission Limitations and Standards [326 IAC 2-7-5(1)]
D.5.1 Prevention of Significant Deterioration (PSD) [326 IAC 2-2]
D.5.2 Particulate Emission Limitations for Manufacturing Processes [326 IAC 6-3-2]
D.5.3 Sulfur Dioxide [326 IAC 7-1.1-2] [326 IAC 7-2-1]
D.5.4 VOC Emissions [326 IAC 8-1-6]
D.5.5 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

Compliance Determination Requirements
D.5.6 Particulate and Sulfur Dioxide Control
D.5.7 Sulfur Dioxide Emissions and Sulfur Content
D.5.8 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]

Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]
D.5.9 Visible Emissions Notations
D.5.10 Parametric Monitoring
D.5.11 Broken or Failed Bag Detection
D.5.12 Scrubber Monitoring
D.5.13 Scrubber Failure Detection [326 IAC 2-7-6(1)][326 IAC 2-7-5(1)]
D.5.14 Cyclone Failure Detection [326 IAC 2-7-6(1)][326 IAC 2-7-5(1)]
D.5.15 Afterburner Temperature

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]
D.5.16 Record Keeping Requirements
D.5.17 Reporting Requirements

SECTION D.6 FACILITY OPERATION CONDITIONS 58

Emission Limitations and Standards [326 IAC 2-7-5(1)]
D.6.1 Prevention of Significant Deterioration (PSD) [326 IAC 2-2]
D.6.2 Particulate Emission Limitations for Manufacturing Processes [326 IAC 6-3-2]
D.6.3 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

Compliance Determination Requirements
D.6.4 Particulate Control

Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]
D.6.5 Visible Emissions Notations
D.6.6 Parametric Monitoring
D.6.7 Broken or Failed Bag Detection
D.6.8 Rotoclone Failure Detection

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]
D.6.9 Record Keeping Requirements

SECTION D.7 FACILITY OPERATION CONDITIONS - Specifically Regulated Insignificant Activities 62

Emission Limitations and Standards [326 IAC 2-7-5(1)]
D.7.1 Particulate [326 IAC 6-3-2]

Certification 63
Emergency Occurrence Report 64
Semi-Annual Natural Gas Fired Boiler Certification 66
Part 70 Quarterly Report 67-69
Quarterly Deviation and Compliance Monitoring Report 70

SECTION A SOURCE SUMMARY

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

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

The Permittee owns and operates a stationary corn wet milling plant.

Source Address:	3300 U.S. 52 South, Lafayette, IN 47905
Mailing Address:	2200 E. Eldorado Street, Decatur, Illinois 62525
Source Phone Number:	(217) 421-2452
SIC Code:	2046
County Location:	Tippecanoe
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Part 70 Permit Program Major Source, under PSD Rules; Major Source, Section 112 of the Clean Air Act 1 of 28 PSD Source Categories

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

This stationary source consists of the following emission units and pollution control devices: (Note that the maximum process capacities of these units have been included in an OAQ file that is being treated as confidential until a determination has been made):

(a) Corn Receiving and Handling Area, consisting of:

(1) One (1) Corn Receiving (Corn Unloading Dust Collector), identified as Unit ID LA-1, constructed in 1977, with a baghouse for control, exhausting to stack 1.

(2) One (1) Corn Silo (Elevator Dust Collector), identified as Unit ID LA-2, constructed in 1977, with a baghouse for control, exhausting to stack 2.

(3) Twelve (12) Corn Storage Silos, identified as Unit ID LA-78, constructed in 1977, with no emission control device, exhausting to stack 57.

(b) Corn Steeping and Milling Area, consisting of:

(1) One (1) South Pre-Steep Aspiration, identified as Unit ID LA-62A, constructed in 1995, with no emission control device, exhausting to stack 40.

(2) One (1) North Pre-Steep Aspiration, identified as Unit ID LA-62B, constructed in 1995, with no emission control device, exhausting to stack 41.

(3) One (1) Millhouse Aspiration Process, identified as Unit ID LA-70, constructed in 1977, with a scrubber for control, exhausting to stack 4.

(c) Feed House and Boiler House Area, consisting of:

(1) One (1) natural gas/No. 2 fuel oil fired Zurn Boiler, identified as Unit ID LA-44, constructed in 1977, with a maximum heat input of 227 MMBtu/hr, with no emission control device, exhausting to stack 34.

(2) One (1) coal fired Riley Stoker Boiler, identified as Unit ID LA-45, constructed in 1977, with a maximum heat input of 239 MMBtu/hr, with a multiclone and an electrostatic precipitator for control, exhausting to stack 4.

(3) One (1) natural gas/No. 2 fuel oil fired Cleaver Brooks Boiler, identified as Unit ID LA-46, constructed in 1980, with a maximum heat input of 49 MMBtu/hr, with no emission control device, exhausting to stack 4.

(4) One (1) natural gas/No. 2 fuel oil fired Fiber Pre-Dryer, identified as Unit ID LA-8, constructed in 1977, with a maximum heat input of 58 MMBtu/hr, with an integral product collector/cyclone and a scrubber (ID LA-67) for control, exhausting to stack 4.

(5) One (1) natural gas/No. 2 fuel oil fired DSLC Dryer, identified as Unit ID LA-17A, constructed in 1977, with a maximum heat input of 45 MMBtu/hr, with a scrubber (ID LA-67) and an integral product collector/cyclone for control, exhausting to stack 4.

(6) One (1) natural gas fired Gluten Dryer, identified as Unit ID LA-15, constructed in 1995, with a maximum heat input of 52 MMBtu/hr, with a scrubber (ID LA-68), an integral product collector/cyclone and Low NOx Burner for control, exhausting to stack 4.

(7) One (1) Germ RST Pre-Dryer, identified as Unit ID LA-60, constructed in 1995, with an integral product collector/cyclone and a scrubber (ID LA-69) for control, exhausting to stack 4.

(8) One (1) natural gas/No. 2 fuel oil fired GR Dryer, identified as Unit ID LA-47, constructed in 1980, with a maximum heat input of 55 MMBtu/hr, with an integral product collector/cyclone and a scrubber (ID LA-69) for control, exhausting to stack 4.

(9) One (1) Germ RST Finish Dryer No.3, identified as Unit ID LA-53, constructed in 1991, with a cyclone (not integral) for control, exhausting to stack 7.

(10) One (1) Feedhouse Aspiration System, identified as Unit ID LA-71, constructed in 1977, with scrubber for control (ID LA-71), exhausting to stack 4.

(11) One (1) Feed Cooler and Cyclone, identified as Unit ID LA-17B, constructed in 1977, with an integral product collector/cyclone and scrubber (ID LA-17B) for control, exhausting to stack 4.

(12) One (1) Cracked Corn to Gr. Conveyor Transfer Cyclone, identified as Unit ID LA-43, constructed in 1977, with an integral product collector/cyclone (ID LA-43) and a scrubber (ID LA-17B) for control, exhausting to stack 4.

(d) Feed Products Storage and Loadout Area, consisting of:

(1) One (1) Corn Cleanings Bin, identified as Unit ID LA-22, constructed in 1977, with a baghouse for control, exhausting to stack 3.

(2) One (1) Gluten Conveyor to Storage/Loadout, identified as Unit ID LA-21, constructed in 1977, with a baghouse for control, exhausting to stack 10.

(3) One (1) Cooled Germ Conveyor to Storage Bin, identified as Unit ID LA-18, constructed in 1977, with a baghouse for control, exhausting to stack 11.

(4) One (1) Gluten Loadout, identified as Unit ID LA-21B, constructed in 2004, with a baghouse for control, exhausting to stack 9.

(5) One (1) Pellet Cooler #1, identified as Unit ID LA-79, constructed in 2004, with a cyclone (not integral) for control, exhausting to stack 58.

(6) One (1) Combo Pellet Cooler, identified as Unit ID LA-63, constructed in 1995, a cyclone (not integral) for control, exhausting to stack 42.

(7) One (1) Pellet Cooler #4, identified as Unit ID LA-80, constructed in 2004, with an cyclone (not integral) for control, exhausting to stack 59.

(8) One (1) Pellet Cooler #5, identified as Unit ID LA-81, constructed in 2004, with an cyclone (not integral) for control, exhausting to stack 60.

(9) One (1) Pellet Storage Bin, identified as Unit ID LA-64, constructed in 1995, with a integral baghouse for control, exhausting to stack 43.

(10) One (1) Hammermill Aspiration Process, identified as Unit ID LA-77, constructed in 2000, with a scrubber for control, exhausting to stack 54.

(11) One (1) Feed Dump Aspiration System, identified as Unit ID LA-83, constructed in 2004, with a baghouse for control, exhausting to stack 62.

(12) One (1) blond Pellet Bin, identified as Unit ID LA-82, constructed in 2004, with two baghouses for control, exhausting to stack 61.

(e) Refinery Area, consisting of:

(1) One (1) Mud Centrifuges Vent #1, identified as Unit ID LA-72, constructed in 1977, with no emission control device, exhausting to stack 46.

(2) One (1) Mud Centrifuges Vent #2, identified as Unit ID LA-73, constructed in 1977, with no emission control device, exhausting to stack 47.

(3) One (1) Mud Centrifuges Vent #3, identified as Unit ID LA-74, constructed in 1977, with no emission control device, exhausting to stack 53.

(4) One (1) Jets Foam Trap, identified as Unit ID LA-75, constructed in 1977, with no emission control device, exhausting to stack 48.

(5) One (1) Soda Ash Unloading and Storage, identified as Unit ID LA-29, constructed in 1977, with a scrubber for control, exhausting to stack 19.

(6) Two (2) Hydrochloric Acid Storage Tanks, identified as Unit ID LA-41, constructed in 1977, with a scrubber for control, exhausting to stack 32.

(7) One (1) Hydrochloric Acid Supply Head Tank, identified as Unit ID LA-76, constructed in 1977, with a scrubber for control, exhausting to stack 50.

(8) One (1) Cation IX Drain Tank, identified as Unit ID LA-65A, constructed in 1977, with a scrubber for control, exhausting to stack 51.

(9) One (1) Filter Aid Truck Unloading to West Storage Bin, identified as Unit ID LA-31, constructed in 1977, with a baghouse for control, exhausting to stack 20A.

(10) One (1) Filter Aid Truck Unloading to East Storage Bin, identified as Unit ID LA-31, constructed in 1977, with a baghouse for control, exhausting to stack 20B.

(11) One (1) Filter Aid Transfer from Storage Bins to Weighing Hopper, identified as Unit ID LA-32, constructed in 1993, with a baghouse for control, exhausting to stack 21.

(12) One (1) MBS Aspiration System, identified as Unit ID LA-61, constructed in 1995, with a scrubber for control, exhausting to stack 49.

(13) One (1) natural gas/No. 2 fuel oil fired Carbon Reactivation Furnace, identified as Unit ID LA-28, constructed in 1977, with a maximum heat input of 22 MMBtu/hr, with a scrubber for control, exhausting to stack 33.

(14) One (1) Krystar Dryer/Cooler, identified as Unit ID LA-51, constructed in 1995, with emissions controlled by two integral cyclones/product collectors (53L605) and a wet scrubber (53L606), exhausting to stack 35.

(15) One (1) natural gas-fired Carbon Reactivation Furnace, identified as Unit ID LA-28B, approved for construction in 2007, with a maximum heat input of 15 MMBtu/hr, with a wet scrubber and an afterburner for control, exhausting to stack 33B.

(f) Coal and Ash Storage and Handling Area, consisting of:

(1) One (1) Coal Unloading Building Aspiration System, identified as Unit ID LA-33, constructed in 1977, with a baghouse for control, exhausting to stack 22.

(2) One (1) Crusher and Transfer Building Aspiration System, identified as Unit ID LA-34, constructed in 1977, with a baghouse for control, exhausting to stack 23.

(3) One (1) Coal Storage Silos Top Aspiration System, identified as Unit ID LAB35, constructed in 1977, with a baghouse for control, exhausting to stack 24.

(4) One (1) Coal Storage Silos Bottom Aspiration System, identified as Unit ID LA-36, constructed in 1977, with a baghouse for control, exhausting to stack 25.

(5) One (1) Utility Building Aspiration System #1, identified as Unit ID LA-37, constructed in 1977, with a baghouse for control, exhausting to stack 26.

(6) One (1) Utility Building Aspiration System #2, identified as Unit ID LA-38, constructed in 1977, with a baghouse for control, exhausting to stack 27.

(7) One (1) Coal Silo Aspiration System, identified as Unit ID LA-55, constructed in 1977, with a rotoclone for control, exhausting to stack 28.

(8) One (1) Coal Bunkers Aspiration, identified as Unit ID LA-56, constructed in 1977, with a rotoclone for control, exhausting to stack 29.

(9) One (1) Ash Transfer Aspiration Vacuum Blower #1, identified as Unit ID LA-42A, constructed in 1977, with a baghouse for control, exhausting to stack 30A.

(10) One (1) Ash Transfer Aspiration Vacuum Blower #2, identified as Unit ID LA-42A, constructed in 1977, with a baghouse for control, exhausting to stack 30B.

(11) One (1) Ash Silo Aspiration Air East Vent, identified as Unit ID LA-42B, constructed in 1977, with a dampered vent, exhausting to stack 31A.

(12) One (1) Ash Silo Aspiration Air West Vent, identified as Unit ID LA-42B, constructed in 1977, with a dampered vent, exhausting to stack 31B.

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

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

(a) Coal bunker and coal scale exhausts and associated dust collector vents [326 IAC 6-3-2].

(b) Vents from ash transport systems not operated at positive pressure [326 IAC 6-3-2].

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

(d) Structural steel and bridge fabrication activities using 80 tons or less of welding consumables. [326 IAC 6-3-2]

(e) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment cutting torches, soldering equipment, welding equipment. [326 IAC 6-3-2]

(f) Activities with emissions equal to or less than the following thresholds: 5 lb/hr or 25 lb/day PM; 5 lb/hr or 25 lb/day SO2; 5 lb/hr or 25 lb/day NOx; 3 lb/hr or 15 lb/day VOC; 0.6 tons per year Pb; 1.0 ton/yr of a single HAP, or 2.5 ton/yr of any combination of HAPs:

(1) Germ Day Bin, exhausting to stack 61. [326 IAC 6-3-2]

(2) Starch/Gluten Loadout, exhausting to stack 8. [326 IAC 6-3-2]

(3) Salt Storage Tank, exhausting to stack 12. [326 IAC 6-3-2]

(4) Soda Ash Head Tank, exhausting to stack 52. [326 IAC 6-3-2]

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

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

(a) It is a major source, as defined in 326 IAC 2-7-1(22);

(b) It is a source in a source category designated by the United States Environmental Protection Agency (U.S. EPA) under 40 CFR 70.3 (Part 70 - Applicability).

SECTION B GENERAL CONDITIONS

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

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

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

(a) This permit, T157-6008-00033, is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.

(b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, including any permit shield provided in 326 IAC 2-7-15, until the renewal permit has been issued or denied.

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

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

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

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

B.4 Enforceability [326 IAC 2-7-7]

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

(b) Unless otherwise stated, all terms and conditions in this permit that are local requirements, including any provisions designed to limit the source's potential to emit, are enforceable.

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

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

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

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

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

(a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The submittal by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34). Upon request, the Permittee shall also furnish to IDEM, OAQ copies of records required to be kept by this permit.

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

B.8 Certification [326 IAC 2-7-4(f)][326 IAC 2-7-6(1)][326 IAC 2-7-5(3)(C)]

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

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

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

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

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

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

and

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

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

(c) The annual compliance certification report shall include the following:

(1) The appropriate identification of each term or condition of this permit that is the basis of the certification;

(2) The compliance status;

(3) Whether compliance was continuous or intermittent;

(4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-7-5(3); and

(5) Such other facts, as specified in Sections D of this permit, as IDEM, OAQ may require to determine the compliance status of the source.

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

B.10 Preventive Maintenance Plan [326 IAC 2-7-5(1),(3) and (13)][326 IAC 2-7-6(1) and (6)][326 IAC 1-6-3]

(a) If required by specific condition(s) in Section D of this permit, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) within ninety (90) days after issuance of this permit, including the following information on each facility:

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

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

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

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

(b) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions or potential to emit. The PMPs do not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

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

B.11 Emergency Provisions [326 IAC 2-7-16]

(a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation.

(b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:

(1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;

(2) The permitted facility was at the time being properly operated;

(3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;

(4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ, within four (4) daytime business hours after the beginning of the emergency,

or after the emergency was discovered or reasonably should have been discovered;

IDEM, OAQ
Telephone No.: 1-800-451-6027 (ask for Office of Air Quality, Compliance Section)
or,
Telephone No.: 317-233-0178 (ask for Compliance Section)
Facsimile No.: 317-233-6865

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

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

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

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

(A) A description of the emergency;

(B) Any steps taken to mitigate the emissions; and

(C) Corrective actions taken.

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

(6) The Permittee immediately took all reasonable steps to correct the emergency.

(c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.

(d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.

(e) The Permittee seeking to establish the occurrence of an emergency shall make records available upon request to ensure that failure to implement a PMP did not cause or contribute to an exceedance of any limitations on emissions. However, IDEM, OAQ may require that the Preventive Maintenance Plans required under 326 IAC 2-7-4(c)(9) be revised in response to an emergency.

(f) Failure to notify IDEM, OAQ by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-7 and any other applicable rules.

(g) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.

(h) The Permittee shall include all emergencies in the Quarterly Deviation and Compliance Monitoring Report.

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

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

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

(b) If, after issuance of this permit, it is determined that the permit is in nonconformance with an applicable requirement that applied to the source on the date of permit issuance, IDEM, OAQ, shall immediately take steps to reopen and revise this permit and issue a compliance order to the Permittee to ensure expeditious compliance with the applicable requirement until the permit is reissued. The permit shield shall continue in effect so long as the Permittee is in compliance with the compliance order.

(c) No permit shield shall apply to any permit term or condition that is determined after issuance of this permit to have been based on erroneous information supplied in the permit application. Erroneous information means information that the Permittee knew to be false, or in the exercise of reasonable care should have been known to be false, at the time the information was submitted.

(d) Nothing in 326 IAC 2-7-15 or in this permit shall alter or affect the following:

(1) The provisions of Section 303 of the Clean Air Act (emergency orders), including the authority of the U.S. EPA under Section 303 of the Clean Air Act;

(2) The liability of the Permittee for any violation of applicable requirements prior to or at the time of this permit's issuance;

(3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act; and

(4) The ability of U.S. EPA to obtain information from the Permittee under Section 114 of the Clean Air Act.

(e) This permit shield is not applicable to any change made under 326 IAC 2-7-20(b)(2) (Sections 502(b)(10) of the Clean Air Act changes) and 326 IAC 2-7-20(c)(2) (trading based on State Implementation Plan (SIP) provisions).

(f) This permit shield is not applicable to modifications eligible for group processing until after IDEM, OAQ, has issued the modifications. [326 IAC 2-7-12(c)(7)]

(g) This permit shield is not applicable to minor Part 70 permit modifications until after IDEM, OAQ, has issued the modification. [326 IAC 2-7-12(b)(8)]

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

(a) All terms and conditions of permits established prior to T157-6008-00033 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.14 Termination of Right to Operate [326 IAC 2-7-10][326 IAC 2-7-4(a)]

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

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

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

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

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

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

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

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

(a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Part 70 Operating Permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-7-5(6)(C)] The notification by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ, determines any of the following:

(1) That this permit contains a material mistake.

(2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.

(3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-7-9(a)(3)]

(c) Proceedings by IDEM, OAQ, to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit

for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-7-9(b)]

(d) The reopening and revision of this permit, under 326 IAC 2-7-9(c), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ, at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ, may provide a shorter time period in the case of an emergency. [326 IAC 2-7-9(c)]

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

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

Request for renewal shall be submitted to:

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

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

(1) Submitted at least nine (9) months prior to the date of the expiration of this permit; and

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

(c) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-7 until IDEM, OAQ takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified in writing by IDEM, OAQ, any additional information identified as being needed to process the application.

B.18 Permit Amendment or Modification [326 IAC 2-7-11][326 IAC 2-7-12]

(a) Permit amendments and modification are governed by the requirements of 326 IAC 2-7-11 or 326 IAC 2-7-12 whenever the Permittee seeks to amend or modify this permit.

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

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

Any such application shall be certified by the "responsible official" as defined by 326 IAC 2-7-1(34).

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

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

(a) No Part 70 permit revision shall be required under any approved economic incentives, marketable Part 70 permits, emissions trading, and other similar programs or processes for changes that are provided for in a Part 70 permit.

(b) Notwithstanding 326 IAC 2-7-12(b)(1) and 326 IAC 2-7-12(c)(1), minor Part 70 permit modification procedures may be used for Part 70 modifications involving the use of economic incentives, marketable Part 70 permits, emissions trading, and other similar approaches to the extent that such minor Part 70 permit modification procedures are explicitly provided for in the applicable State Implementation Plan (SIP) or in applicable requirements promulgated or approved by the U.S. EPA.

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

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

(1) The changes are not modifications under any provision of Title I of the Clean Air Act;

(2) Any preconstruction approval required by 326 IAC 2-7-10.5 has been obtained;

(2) Any approval required by 326 IAC 2-8-11.1 has been obtained;

(3) The changes do not result in emissions which exceed the limitations provided in this permit (whether expressed herein as a rate of emissions or in terms of total emissions);

(4) The Permittee notifies the:

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

and

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

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

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

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

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

(1) A brief description of the change within the source;

(2) The date on which the change will occur;

(3) Any change in emissions; and

(4) Any permit term or condition that is no longer applicable as a result of the change.

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

(c) Emission Trades [326 IAC 2-7-20(c)]
The Permittee may trade emissions increases and decreases at the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-7-20(c).

(d) Alternative Operating Scenarios Part 70 Operating Permit
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-7-5(9). No prior notification of IDEM, OAQ, or U.S. EPA is required.

(e) Backup fuel switches specifically addressed in, and limited under, Section D of this permit shall not be considered alternative operating scenarios. Therefore, the notification requirements of part (a) of this condition do not apply.

B.21 Source Modification Requirement [326 IAC 2-7-10.5] [326 IAC 2-2-2] [326 IAC 2-3-2]

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

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

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

(a) Enter upon the Permittee's premises where a Part 70 source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;

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

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

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

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

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

(a) The Permittee must comply with the requirements of 326 IAC 2-7-11 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.

(b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

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

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

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

B.24 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-7-5(7)][326 IAC 2-1.1-7]

(a) The Permittee shall pay annual fees to IDEM, OAQ, within thirty (30) calendar days of receipt of a billing. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ, the applicable fee is due April 1 of each year.

(b) Except as provided in 326 IAC 2-7-19(e), failure to pay may result in administrative enforcement action or revocation of this permit.

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

B.25 Credible Evidence [326 IAC 2-7-5(3)][326 IAC 2-7-6][62 FR 8314] [326 IAC 1-1-6]

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

SECTION C **SOURCE OPERATION CONDITIONS**

Entire Source

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

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

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

C.2 Opacity [326 IAC 5-1]

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

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

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

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

The Permittee shall not open burn any material except as provided in 326 IAC 4-1-3, 326 IAC 4-1-4 or 326 IAC 4-1-6. The previous sentence notwithstanding, the Permittee may open burn in accordance with an open burning approval issued by the Commissioner under 326 IAC 4-1-4.1. 326 IAC 4-1-3 (a)(2)(A) and (B) are not federally enforceable.

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

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

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

The Permittee shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4 (Fugitive Dust Emissions). 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), 1-7-2, 1-7-3(c) and (d), 1-7-4, and 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 326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.

(b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or

before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:

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

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

(A) Asbestos removal or demolition start date;

(B) Removal or demolition contractor; or

(C) Waste disposal site.

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

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

All required notifications shall be submitted to:

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

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project. The notifications do not require a certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

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

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

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

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

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

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

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

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

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

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

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)]

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

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

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

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

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

C.11 Maintenance of Continuous Opacity Monitoring Equipment [326 IAC 2-7-5(3)(A)(iii)]

(a) The Permittee shall install, calibrate, maintain, and operate all necessary continuous opacity monitoring systems (COMS) and related equipment. For a boiler, the COMS shall

be in operation at all times that the induced draft fan is in operation.

(b) All COMS shall meet the performance specifications of 40 CFR 60, Appendix B, Performance Specification No. 1, and are subject to monitor system certification requirements pursuant to 326 IAC 3-5.

(c) In the event that a breakdown of a continuous opacity monitoring system occurs, a record shall be made of the times and reasons of the breakdown and efforts made to correct the problem.

(d) Whenever a COMS is malfunctioning or is down for maintenance or repairs for a period of twenty-four (24) hours or more and a backup COMS is not online within twenty-four (24) hours of shutdown or malfunction of the primary COMS, the Permittee shall provide a certified opacity reader, who may be an employee of the Permittee or an independent contractor, to self-monitor the emissions from the emission unit stack.

(1) Visible emission readings shall be performed in accordance with 40 CFR 60, Appendix A, Method 9, for a minimum of five (5) consecutive six (6) minute averaging periods beginning not more than twenty-four (24) hours after the start of the malfunction or down time.

(2) Method 9 opacity readings shall be repeated for a minimum of five (5) consecutive six (6) minute averaging periods at least twice per day during daylight operations, with at east four (4) hours between each set of readings, until a COMS is online.

(3) Method 9 readings may be discontinued once a COMS is online.

(4) Any opacity exceedances determined by Method 9 readings shall be reported with the Quarterly Opacity Exceedances Reports.

(e) Nothing in this permit shall excuse the Permittee from complying with the requirements to operate a continuous opacity monitoring system pursuant to 326 IAC 3-5.

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

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

C.13 Instrument Specifications [326 IAC 2-1.1-11] [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 have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale.

(b) The Preventive Maintenance Plan for the pH meter shall include calibration using known standards. The frequency of calibration shall be adjusted such that the typical error found at calibration is less than one pH point.

(c) The Permittee may request the IDEM, OAQ approve the use of an instrument that does not meet the above specifications provided the Permittee can demonstrate 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.14 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]

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

(a) The Permittee prepared and submitted written emergency reduction plans (ERPs) consistent with safe operating procedures on November 14, 2000.

(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.15 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.16 Response to Excursions or Exceedances [326 IAC 2-7-5] [326 IAC 2-7-6] [326 IAC 2-7-5] [326 IAC 2-7-6]

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

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

(1) initial inspection and evaluation;

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

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

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

(1) monitoring results;

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

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

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

(e) The Permittee shall maintain the following records:

(1) monitoring data;

(2) monitor performance data, if applicable; and

(3) corrective actions taken.

C.17 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5] [326 IAC 2-7-6]

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

The Permittee shall take appropriate action to minimize excess emissions from the affected facility while the response actions are being implemented.

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

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

The response action documents submitted pursuant to this condition do require the certification by the Aresponsible official@ as defined by 326 IAC 2-7-1(34).

C.18 Emission Statement [326 IAC 2-7-5(3)(C)(iii)] [326 IAC 2-7-5(7)] [326 IAC 2-7-19(c)] [326 IAC 2-6]

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

(1) Indicate estimated actual emissions of all pollutants listed in 326 IAC 2-6-4(a);

(2) Indicate estimated actual emissions of regulated pollutants as defined by 326 IAC 2-7-1(32) (ARegulated pollutant which is used only for purposes of Section 19 of this rule@) from the source, for purposes of fee assessment.

(b) The statement must be submitted to:

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

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

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

C.19 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6] [326 IAC 2-2] [326 IAC 2-3]

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

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

(c) If there is a “project” (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(ll)) at an existing emissions unit, other than projects at a source with a Plantwide Applicability Limitation

(PAL), which is not part of a "major modification" (as defined in 326 IAC 2-2-1(ee) and/or 326 IAC 2-3-1(z)) and the Permittee elects to utilize the "projected actual emissions" (as defined in 326 IAC 2-2-1(rr) and/or 326 IAC 2-3-1(mm)), the Permittee shall comply with following:

(1) Before beginning actual construction of the "project" (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(ll) at an existing emissions unit, document and maintain the following records:

(A) A description of the project.

(B) Identification of any emissions unit whose emissions of a regulated new source review pollutant could be affected by the project.

(C) A description of the applicability test used to determine that the project is not a major modification for any regulated NSR pollutant, including:

(i) Baseline actual emissions;

(ii) Projected actual emissions;

(iii) Amount of emissions excluded under section 326 IAC 2-2-1(rr)(2)(A)(iii) and/or 326 IAC 2-3-1(mm)(2)(A)(iii); and

(iv) An explanation for why the amount was excluded, and any netting calculations, if applicable.

(2) Monitor the emissions of any regulated NSR pollutant that could increase as a result of the project and that is emitted by any existing emissions unit identified in (1)(B) above; and

(3) Calculate and maintain a record of the annual emissions, in tons per year on a calendar year basis, for a period of five (5) years following resumption of regular operations after the change, or for a period of ten (10) years following resumption of regular operations after the change if the project increases the design capacity of or the potential to emit that regulated NSR pollutant at the emissions unit.

C.20 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11] [326 IAC 2-2] [326 IAC 2-3]

(a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported. This report shall be submitted within thirty (30) days of the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include the certification by the Aresponsible official@ as defined by 326 IAC 2-7-1(34).

(b) The report required in (a) of this condition and reports required by conditions in Section D of this permit shall be submitted to:

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

(c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date

it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.

(d) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by the Aresponsible official@ as defined by 326 IAC 2-7-1(34).

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

(f) If the Permittee is required to comply with the recordkeeping provisions of (c) in Section C- General Record Keeping Requirements for any "project" (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(ll) at an existing emissions unit, and the project meets the following criteria, then the Permittee shall submit a report to IDEM, OAQ:

(1) The annual emissions, in tons per year, from the project identified in (c)(1) in Section C- General Record Keeping Requirements exceed the baseline actual emissions, as documented and maintained under Section C- General Record Keeping Requirements (c)(1)(C)(i), by a significant amount, as defined in 326 IAC 2-2-1(xx) and/or 326 IAC 2-3-1(qq), for that regulated NSR pollutant, and

(2) The emissions differ from the preconstruction projection as documented and maintained under Section C- General Record Keeping Requirements (c)(1)(C)(ii).

(g) The report for a project at an existing emissions unit shall be submitted within sixty (60) days after the end of the year and contain the following:

(1) The name, address, and telephone number of the major stationary source.

(2) The annual emissions calculated in accordance with (c)(2) and (3) in Section C- General Record Keeping Requirements.

(3) The emissions calculated under the actual-to-projected actual test stated in 326 IAC 2-2-2(d)(3) and/or 326 IAC 2-3-2(c)(3).

(4) Any other information that the Permittee deems fit to include in this report,

Reports required in this part shall be submitted to:

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

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

Stratospheric Ozone Protection

C.21 Compliance with 40 CFR 82 and 326 IAC 22-1

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

(a) Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156.

(b) Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158.

(c) Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

SECTION D.1 FACILITY OPERATION CONDITIONS

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

(a) Corn Receiving and Handling Area, consisting of:

(1) One (1) Corn Receiving (Corn Unloading Dust Collector), identified as Unit ID LA-1, constructed in 1977, with a baghouse for control, exhausting to stack 1.

(2) One (1) Corn Silo (Elevator Dust Collector), identified as Unit ID LA-2, constructed in 1977, with a baghouse for control, exhausting to stack 2.

(3) Twelve (12) Corn Storage Silos, identified as Unit ID LA-78, constructed in 1977, with no emission control device, exhausting to stack 57.

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

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

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

Pursuant to CP 157-3581-00033, issued February 27, 1995:

(a) The PM/PM10 emissions from LA-1 shall not exceed 1.89 pounds per hour and 8.3 tons per year.

(b) The PM/PM10 emissions from LA-2 shall not exceed 1.03 pounds per hour and 4.5 tons per year.

Compliance with these limits shall render the requirements of 40 CFR 52.21 and 326 IAC 2-2 not applicable for PM and PM10.

D.1.2 Particulate Emission Limitations for Manufacturing Processes [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2, the allowable particulate emission rate from facilities LA-1, LA-2 and LA-78 shall not exceed the pound per hour emission rate established as E in the following formula:

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:

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

Or depending on the process weight rate:

Interpolation and extrapolation of the data for the process weight rate in excess of 60,000 pounds per hour shall be accomplished by use of the equation:

$E = 55.0\ P^{0.11} - 40$ where E = rate of emission in pounds per hour; and
P = process weight rate in tons per hour

Note that the specific 326 IAC 6-3-2 limits have not been listed here as the process throughputs of the respective facilities are treated as confidential until a determination has been made.

D.1.3 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

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

Compliance Determination Requirements

D.1.4 Particulate Control

In order to comply with Conditions D.1.1 and D.1.2, the baghouses for particulate control shall be in operation and control emissions from LA-1 and LA-2 at all times that the facilities are in operation.

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

D.1.5 Visible Emissions Notations

(a) Visible emission notations of LA-1 and LA-2 stack exhaust shall be performed once per day during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.

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

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

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

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

D.1.6 Parametric Monitoring

The Permittee shall record the pressure drop across the baghouses used in conjunction with facilities LA-1 and LA-2, at least once per day when LA-1 and LA-2 are in operation. When for any one reading or observance, the pressure drop across the baghouse is outside the normal range of 3.0 and 6.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

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

D.1.7 Broken or Failed Bag Detection

(a) For a single compartment baghouse controlling emissions from a process operated continuously, a failed unit and the associated process shall be shut down immediately until the failed unit has been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

(b) For a single compartment baghouse controlling emissions from a batch process, the feed to the process shall be shut down immediately until the failed unit has been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in the line. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

Bag failure can be indicated by a significant drop in the baghouse=s pressure reading with abnormal visible emissions, by an opacity violation, or by other means such as gas temperature, flow rate, air infiltration, leaks, dust traces or triboflows.

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

D.1.8 Record Keeping Requirements

(a) To document compliance with Condition D.1.5, the Permittee shall maintain records of the once per day visible emission notations. 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).

(b) To document compliance with Condition D.1.6, the Permittee shall maintain records of the once per day pressure drop readings. The Permittee shall include in its daily record when a pressure drop reading is not taken and the reason for the lack of pressure drop reading (e.g. the process did not operate that day).

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

SECTION D.2 FACILITY OPERATION CONDITIONS

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

(b) Corn Steeping and Milling Area, consisting of:

(1) One (1) South Pre-Steep Aspiration, identified as Unit ID LA-62A, constructed in 1995, with no emission control device, exhausting to stack 40.

(2) One (1) North Pre-Steep Aspiration, identified as Unit ID LA-62B, constructed in 1995, with no emission control device, exhausting to stack 41.

(3) One (1) Millhouse Aspiration Process, identified as Unit ID LA-70, constructed in 1977, with a scrubber for control, exhausting to stack 4.

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

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

D.2.1 Prevention of Significant Deterioration (PSD) [326 IAC 2-2]

Pursuant to CP 157-3581-00033, issued February 27, 1995 and amended April 5, 1995:

(a) The sulfur dioxide emissions from LA-62A and LA-62B shall not exceed 1.37 pounds per hour.

(b) The total sulfur dioxide emissions from scrubber LA-70 (controlling emissions from the millhouse) shall not exceed 12.85 pounds per hour and the concentration of sulfur dioxide in the exhaust shall not exceed 17 ppm.

Compliance with these limits shall render the requirements of 326 IAC 2-2 not applicable for SO_2.

D.2.2 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

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

Compliance Determination Requirements

D.2.3 Sulfur Dioxide Control

In order to comply with Conditions D.2.1, the scrubber shall be in operation and control emissions from LA-70 at all times that the facility is in operation.

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

D.2.4 Monitoring for Scrubber

(a) The Permittee shall monitor the pH of the scrubbing liquid of the scrubber controlling emissions from LA-70 every hour during normal operation. The pH shall not be less than 5.0 and shall average 7.0 based on twelve (12) consecutive one-hour pH readings recorded during each shift.

(b) The Permittee shall monitor the scrubber recirculation rate of the scrubber controlling emissions from LA-70 every hour during normal operation.

(c) When for any one reading, the pH and flow rate readings across the scrubber is outside of the respective normal ranges, as specified by the manufacturer, the Permittee shall take reasonable response steps in accordance with Section C – Response to Excursions or Exceedances. A reading that is outside the normal range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Response to Excursions or

Exceedances, shall be considered a deviation from this permit.

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

D.2.5 Scrubber Failure Detection [326 IAC 2-7-6(1)][326 IAC 2-7-5(1)]

In the event that scrubber failure has been observed:

The feed to the process shall be shut down immediately until the failed units have been repaired or replaced. The emission units shall be shut down no later than the completion of the processing of the material in the emission unit. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions). Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation of this permit.

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

D.2.6 Record Keeping Requirements

(a) To document compliance with Condition D.2.4, the Permittee shall maintain hourly records of the pH of the scrubbing liquid and scrubber recirculation rate of the scrubber controlling emissions from LA-70.

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

SECTION D.3 FACILITY OPERATION CONDITIONS

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

(c) Feed House and Boiler House Area, consisting of:

(1) One (1) natural gas/No. 2 fuel oil fired Zurn Boiler, identified as Unit ID LA-44, constructed in 1977, with a maximum heat input of 227 MMBtu/hr, with no emission control device, exhausting to stack 34.

(2) One (1) coal fired Riley Stoker Boiler, identified as Unit ID LA-45, constructed in 1977, with a maximum heat input of 239 MMBtu/hr, with a multiclone and an electrostatic precipitator for control, exhausting to stack 4.

(3) One (1) natural gas/No. 2 fuel oil fired Cleaver Brooks Boiler, identified as Unit ID LA-46, constructed in 1980, with a maximum heat input of 49 MMBtu/hr, with no emission control device, exhausting to stack 4.

(4) One (1) natural gas/No. 2 fuel oil fired Fiber Pre-Dryer, identified as Unit ID LA-8, constructed in 1977, with a maximum heat input of 58 MMBtu/hr, with an integral product collector/cyclone and a scrubber (ID LA-67) for control, exhausting to stack 4.

(5) One (1) natural gas/No. 2 fuel oil fired DSLC Dryer, identified as Unit ID LA-17A, constructed in 1977, with a maximum heat input of 45 MMBtu/hr, with a scrubber (ID LA-67) and an integral product collector/cyclone for control, exhausting to stack 4.

(6) One (1) natural gas fired Gluten Dryer, identified as Unit ID LA-15, constructed in 1995, with a maximum heat input of 52 MMBtu/hr, with a scrubber (ID LA-68), an integral product collector/cyclone and Low NO_x Burner for control, exhausting to stack 4.

(7) One (1) Germ RST Pre-Dryer, identified as Unit ID LA-60, constructed in 1995, an integral product collector/cyclone and a scrubber (ID LA-69) for control, exhausting to stack 4.

(8) One (1) natural gas/No. 2 fuel oil fired GR Dryer, identified as Unit ID LA-47, constructed in 1980, with a maximum heat input of 55 MMBtu/hr, with an integral product collector/cyclone and a scrubber (ID LA-69) for control, exhausting to stack 4.

(9) One (1) Germ RST Finish Dryer No.3, identified as Unit ID LA-53, constructed in 1991, with a cyclone (not integral) for control, exhausting to stack 7.

(10) One (1) Feedhouse Aspiration System, identified as Unit ID LA-71, constructed in 1977, with scrubber for control (ID LA-71), exhausting to stack 4.

(11) One (1) Feed Cooler and Cyclone, identified as Unit ID LA-17B, constructed in 1977, with an integral product collector/cyclone and scrubber (ID LA-17B) for control, exhausting to stack 4.

(12) One (1) Cracked Corn to Gr. Conveyor Transfer Cyclone, identified as Unit ID LA-43, constructed in 1977, with an integral product collector/cyclone (ID LA-43) and a scrubber (ID LA-17B) for control, exhausting to stack 4.

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

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

D.3.1 CO Emissions [326 IAC 2-2] [326 IAC 2-7-6(3)] [326 IAC 2-7-15]

The IDEM, OAQ has information that indicates that the CO emissions from facilities LA-45, LA-46, LA-8, LA-15, LA-17A, LA-47, LA-44, and LA-28 have contributed to a violation of 326 IAC 2-2 (Prevention of Significant Deterioration). Therefore, the Permit Shield provided in Section B of this permit does not apply to those emission units with regards to 326 IAC 2-2 (PSD). The OAQ will promptly reopen this permit using the provisions of 326 IAC 2-7-9 (Permit Reopening) to include detailed requirements necessary to comply with 326 IAC 2-2 (PSD) and a schedule for achieving compliance with such requirements once this issue has been thoroughly reviewed.

D.3.2 Prevention of Significant Deterioration (PSD) [326 IAC 2-2]

(a) Pursuant to OP 79-07-89-0345, issued February 5, 1986:

(1) The particulate emissions from LA-44 shall not exceed 45.4 pounds per hour and 198.9 tons per year.

(2) The sulfur dioxide emissions from LA-44 shall not exceed 363.2 pounds per hour and 1590.8 tons per year.

(3) The particulate emissions from LA-46 shall not exceed 9.8 pounds per hour and 42.9 tons per year.

(4) The sulfur dioxide emissions from LA-46 shall not exceed 78.4 pounds per hour and 343.4 tons per year.

Compliance with these particulate and sulfur dioxide limitations will satisfy the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration).

(b) Pursuant to CP 157-3581-00033, issued February 27, 1995 and amended April 5, 1995:

(1) The total PM/PM10 emissions from LA-43 and LA-17B shall not exceed 6.43 pounds per hour.

(2) The PM/PM10 emissions from LA-53 shall not exceed 4.29 pounds per hour.

(3) The total sulfur dioxide emissions from scrubbers LA-70 and LA-71 (controlling emissions from various insignificant activities in the feedhouse and millhouse, respectively) shall not exceed 12.85 pounds per hour and the concentration of sulfur dioxide in the exhaust from scrubber LA-70 and LA-71 shall not exceed 17 ppm.

(4) The nitrogen oxide (NO_x) emissions from LA-15 shall not exceed 7.59 pounds per hour. Compliance with this limit shall be met with the use of low-NO_x burners.

Compliance with these limits shall render the requirements of 326 IAC 2-2 not applicable for the respective pollutants.

(c) Pursuant to SSM 157-11449-00033, issued August 16, 2000, and CP 157-3581-00033, issued February 27, 1995:

(1) The concentration of sulfur dioxide in the exhaust from scrubbers LA-67, LA-68, and LA-69 (controlling emissions from LA-8, LA-17A, LA-15, LA-47 and LA-60 shall not exceed 187 parts per million (ppm). Based on a total exhaust flow rate of 353,600 acfm at 138EF, compliance with this limit is equivalent to total SO_2 emissions of less than 582 pounds per hour and 2,549 tons per year.

(2) The particulate emissions from LA-45 shall not exceed 0.2 pounds per MMBtu heat input. Compliance with this limit will satisfy the requirements of 326 IAC 6-2-3(d) and will provide an emission credit which may be used at a future date pursuant to 326 IAC 2-2.

Compliance with these limits shall render the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration) not applicable for PM, PM10 and SO_2.

(d) Pursuant to PSD 79-1551, issued August 31, 1984, and as revised by permit No. 157-6008-00033 issued June 28, 2004, the NO_x emissions from:

(1) LA-45 shall not exceed 119 pounds per hour and 523 tons per twelve consecutive month period.

(2) LA-46 shall not exceed 7.1 pounds per hour and 31 tons per twelve consecutive month period.

(3) LA-8 shall not exceed 65.6 pounds per hour and 287 tons per twelve consecutive month period.

(4) LA-17A shall not exceed 6.6 pounds per hour and 29 tons per twelve consecutive month period.

(5) LA-15 shall not exceed 93.4 pounds per hour and 409 tons per twelve consecutive month period.

(6) LA-47 shall not exceed 7.9 pounds per hour and 34.4 tons per twelve consecutive month period.

(7) LA-44 shall not exceed 32.4 pounds per hour and 142 tons per year; and

(8) LA-28 shall not exceed 3.2 pounds per hour and 14 tons per year.

Compliance with these limits is equivalent to total NO_x emissions from these facilities of less than 1,469 tons per year and will satisfy the requirements of 326 IAC 2-2.

(e) Pursuant to PSD 79-1551, issued August 31, 1984, and as revised by permit No. 157-6008-00033 issued June 28, 2004, the carbon monoxide (CO) emissions from:

(1) LA-45 shall not exceed 4.59 pounds per hour and 20 tons per twelve consecutive month period.

(2) LA-46 shall not exceed 4.11 pounds per hour and 18 tons per twelve consecutive month period.

(3) LA-8 shall not exceed 4.86 pounds per hour and 21 tons per twelve consecutive month period.

(4) LA-17A shall not exceed 3.79 pounds per hour and 17 tons per twelve consecutive month period.

(5) LA-15 shall not exceed 4.36 pounds per hour and 19 tons per twelve consecutive month period.

(6) LA-47 shall not exceed 4.61 pounds per hour and 20 tons per twelve consecutive month period.

(7) LA-44 shall not exceed 19.1 pounds per hour and 84 tons per year; and

(8) LA-28 shall not exceed 1.85 pounds per hour and 8.0 tons per year.

Compliance with these limits is equivalent to total CO emissions from these facilities of less than 208 tons per year and will satisfy the requirements of 326 IAC 2-2.

D.3.3 Particulate Emission Limitations for Manufacturing Processes [326 IAC 6-3-2]

(a) Pursuant to 326 IAC 6-3-2, the allowable particulate emission rate from facilities LA-8, LA-17A, LA-17B, LA-15, LA-60, LA-47, LA-43 and LA-53 shall not exceed the pound per hour emission rate established as E in the following formula:

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:

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

Or depending on the process weight rate:

Interpolation and extrapolation of the data for the process weight rate in excess of 60,000 pounds per hour shall be accomplished by use of the equation:

$E = 55.0\ P^{0.11} - 40$ where E = rate of emission in pounds per hour; and
P = process weight rate in tons per hour

Note that the specific 326 IAC 6-3-2 limits have not been listed here as the process throughputs of the respective facilities is treated as confidential until a determination has been made.

(b) Pursuant to AA 157-16939-00033 issued on March 25, 2003 and SSM 157-11449-00033 issued on August 16, 2000 particulate matter emissions from LA-67, LA-68 and LA-69 (controlling emissions from LA-8, LA-17A, LA-15, LA-47 and LA-60) shall be limited to a total of 61.12 pounds per hour after controls. Compliance with this limit will satisfy 326 IAC 6-3-2.

D.3.4 Particulate Matter (Sources of Indirect Heating) [326 IAC 6-2-3(e)]

Pursuant to 326 IAC 6-2-3(e), the particulate matter emissions from boilers LA-44, LA-45 and LA-46 shall not exceed 0.6 pounds per MMBtu heat input each.

D.3.5 Sulfur Dioxide [326 IAC 7-1.1-2] [326 IAC 7-2-1]

(a) Pursuant to 326 IAC 7-1.1-2(a)(3), the sulfur dioxide (SO_2) emissions from LA-8, LA-17A, LA-46 and LA-47 shall each not exceed 0.5 pounds per MMBtu heat input when combusting #2 fuel oil. Pursuant to 326 IAC 7-2-1, compliance shall be demonstrated on a calendar month average.

(b) Pursuant to 326 IAC 7-1.1-2(a)(1), the sulfur dioxide emissions from boiler LA-45 shall not exceed 6.0 pounds per MMBtu heat input when combusting coal. Pursuant to 326 IAC 7-2-1, compliance shall be demonstrated on a calendar month average.

(c) The sulfur content of the fuel oil combusted in LA-46 shall not exceed forty-five hundredths percent (0.45 %). Compliance with this limit is equivalent to SO_2 emissions of 0.5 pounds per MMBtu, will satisfy the requirements of 326 IAC 7-1.1, and will ensure compliance with Condition D.3.1(b)(4).

D.3.6 Volatile Organic Compounds -BACT [326 IAC 8-1-6]

Pursuant to SSM 157-11449-00033, issued August 16, 2000, and 326 IAC 8-1-6, the VOC emissions from facilities LA-15 and LA-60 shall be controlled by wet scrubbers, determined to be BACT, having at least forty five percent (45%) overall VOC control efficiency.

Compliance Determination Requirements

D.3.7 Particulate, Sulfur Dioxide, and VOC Control

In order to comply with Conditions D.3.2, D.3.3, D.3.5, and D.3.6, the cyclones and scrubbers, including those cyclones integral to the process, shall be in operation and control emissions from LA-8, LA-17A, LA-17B, LA-15, LA-60, LA-47, LA-43 and LA-53 at all times that the facilities are in operation.

D.3.8 Operation of Electrostatic Precipitator [326 IAC 2-7-6(6)]

Except as otherwise provided by statute or rule or in this permit, the electrostatic precipitator (ESP) shall be operated at all times that the boiler LA-45 vented to the ESP is in operation.

D.3.9 Operation of Multiclone [326 IAC 2-7-6(6)]

Except as otherwise provided by statute or rule or in this permit, the multiclone shall be operated at all times that the boiler LA-45 vented to the multiclone is in operation.

D.3.10 Sulfur Dioxide Emissions and Sulfur Content

Compliance with Condition D.3.5 shall be determined pursuant to 326 IAC 3-7-4. The Permittee shall demonstrate that the sulfur dioxide emissions from LA-8, LA-17A and LA-46 do not exceed five-tenths (0.5) pound per million Btu heat input when combusting #2 fuel oil by:

(a) Providing vendor analysis of fuel delivered (including Btu per gallon and percent sulfur), if accompanied by a vendor certification, or;

(b) Analyzing the oil sample to determine the sulfur content of the oil via the procedures in 40 CFR 60, Appendix A, Method 19.

(1) Oil samples may be collected from the fuel tank immediately after the fuel tank is filled and before any oil is combusted; and

(2) If a partially empty fuel tank is refilled, a new sample and analysis would be required upon filling.

A determination of noncompliance pursuant to the method specified above shall not be refuted by evidence of compliance pursuant to the other method.

D.3.11 Sulfur Dioxide Emissions and Sulfur Content [326 IAC 2-7-5(3)(A)] [326 IAC 2-7-6]

In order to demonstrate compliance with Condition D.3.4(b) and pursuant to 326 IAC 7-2, the Permittee shall demonstrate that the sulfur dioxide emissions from LA-45 do not exceed six (6.0) pounds per MMBtu when combusting coal. Compliance shall be determined utilizing the following options:

(a) Providing vendor analysis of coal delivered. If accompanied by a certification from the fuel supplier, the certification shall include:

(1) The name of the coal supplier; and

(2) The location of the coal when the sample was collected for analysis to determine the properties of the coal, specifically including whether the coal was sampled as delivered to the affected facility or whether the coal was collected from coal in storage at the mine, at a coal preparation plant, at a coal supplier=s facility, or at another location. The certification shall include the name of the coal mine (and coal seam), coal storage facility, or coal preparation plant (where the sample was collected); and

(3) The results of the analysis of the coal from which the shipment came (or of the shipment itself) including the sulfur content, moisture content, ash content, and heat content; and

(4) The methods used to determine the properties of the coal; and

(b) Sampling and analyzing the coal using one of the following procedures:

(1) Minimum Coal Sampling Requirements and Analysis Methods:

(A) The coal sample acquisition point shall be at a location where representative samples of the total coal flow to be combusted by the facility or facilities may be obtained. A single as-bunkered or as-burned sampling station may be used to represent the coal to be combusted by multiple facilities using the same stockpile feed system;

(B) Coal shall be sampled at least one (1) time per shift;

(C) Minimum sample size shall be five hundred (500) grams;

(D) Samples shall be composited and analyzed at the end of each calendar month;

(E) Preparation of the coal sample, heat content analysis, and sulfur content analysis shall be determined pursuant to 326 IAC 3-7-2(c), (d), (e); or

(2) Sample and analyze the coal pursuant to 326 IAC 3-7-3; or

(c) Compliance may also be determined by conducting a stack test for sulfur dioxide emissions from LA-45, using 40 CFR 60, Appendix A, Method 6 in accordance with the procedures in 326 IAC 3-6, which is conducted with such frequency as to generate the amount of information required by (a) or (b) above. [326 IAC 7-2-1(b)]

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

D.3.12 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]

Pursuant to SSM 157-11449-00033, issued August 16, 2000, the Permittee shall perform PM, PM_{10}, VOC, and SO_2 testing on LA-67, LA-68, and LA-69 no later than May 19, 2008, utilizing methods approved by the Commissioner. This test shall be repeated at least once every five (5) years from the date of this valid compliance demonstration. If PM-10 is assumed to be 100% of PM, only PM tests need be performed. Testing shall be conducted in accordance with Section C- Performance Testing.

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

D.3.13 Visible Emissions Notations

(a) Visible emission notations of the exhaust from stacks 4 and 7 (exhausting emissions from facilities LA-8, LA-17A, LA-17B, LA-15, LA-60, LA-47, LA-43, LA-46 and LA-53) shall be performed once per day during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.

(b) Visible emission notations of the exhaust from stack 34 (exhausting emissions from LA-44) shall be performed once per day during normal daylight operations while combusting fuel oil. A trained employee shall record whether emissions are normal or abnormal.

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

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

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

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

D.3.14 Cyclone Failure Detection [326 IAC 2-7-6(1)][326 IAC 2-7-5(1)]

In the event that cyclone failure has been observed:

The feed to the process shall be shut down immediately until the failed units have been repaired or replaced. The emission unit shall be shut down no later than the completion of the processing of the material in the emission unit. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions). Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation of this permit.

D.3.15 Scrubber Monitoring

(a) The Permittee shall monitor the pH of the recycled water from scrubbers LA-67, LA-68, and LA-69 at least once per hour during normal operation. The pH shall not be less than 5.0 for any one reading and not less than 7.0 based on a twelve-reading average determined at least once per day.

(b) The Permittee shall monitor the pH of the recycled water from scrubber LA-71 at least once per hour during normal operation. The pH shall not be less than 5.0 for any one reading and not less than 7.0 based on a twelve-reading average determined at least once per day.

(c) The Permittee shall monitor the scrubbant flow rate of the gaseous and particulate sections of scrubber LA-67 at least once per hour during normal operation. The scrubbant flow rates for the gaseous and particulate sections of LA-67 shall not average less than 1000 gallons per minute and 200 gallons per minute, respectively, based on a twelve-reading average determined at least once per day.

(d) The Permittee shall monitor the scrubbant flow rate of scrubber LA-68 at least once per hour during normal operation. The scrubbant flow rates shall not average less than 200 gallons per minute based on a twelve-reading average determined at least once per day.

(e) The Permittee shall monitor the scrubbant flow rate of the gaseous and particulate sections of scrubber LA-69 at least once per hour during normal operation. The scrubbant flow rates for the gaseous and particulate sections of LA-69 shall not average less than 500 gallons per minute and 100 gallons per minute, respectively, based on a twelve-reading average determined at least once per day.

(f) The Permittee shall monitor the scrubbant flow rate of scrubber LA-17B at least once per hour during normal operation. The scrubbant flow rate shall not average less than 175 gallons per minute based on a twelve-reading average determined at least once per day.

(g) When for any reading, the pH and flow rate readings are outside of the specified ranges for any one reading, the Permittee shall take reasonable response steps in accordance with Section C – Response to Excursions or Exceedances. A pH or flow rate reading that is outside the normal range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

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

D.3.16 Scrubber Failure Detection [326 IAC 2-7-6(1)][326 IAC 2-7-5(1)]

In the event that scrubber failure has been observed:

The feed to the process shall be shut down immediately until the failed units have been repaired or replaced. The emission unit shall be shut down no later than the completion of the processing of the material in the emission unit. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions). Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation of this permit.

D.3.17 Continuous Opacity Monitoring [326 IAC 3-5]

Pursuant to 326 IAC 3-5 (Continuous Monitoring of Emissions), and 326 IAC 2, a continuous monitoring system shall be installed, calibrated, maintained, and operated to measure the opacity of the exhaust from boiler LA-45 to ensure compliance with Conditions D.3.2 and D.3.4. The continuous opacity monitoring system shall meet the performance specifications of 326 IAC 3-5-2.

D.3.18 Opacity Readings

The ability of the continuous opacity monitor (COM) to monitor particulate emissions from boiler LA-45 shall be monitored by continuously measuring and recording the opacity of emissions from the stack exhaust.

Appropriate response steps shall be taken in accordance with Section C - Response to Excursions or Exceedances whenever the opacity from the boiler exceeds thirty percent (30%) for any three (3) consecutive six-minute average period. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

D.3.19 Method 9 Opacity Readings and Visible Emissions Notations

(a) Whenever a continuous opacity monitor (COM) is malfunctioning, the Permittee shall follow the procedures in accordance with Section C - Maintenance of Continuous Opacity Monitoring Equipment, until such time that the continuous opacity monitor is back in operation.

(b) When an abnormal emission is observed or whenever the opacity from a boiler exceeds thirty-eight percent (38%) for any two consecutive six-minute average periods, the Permittee shall take response steps in accordance with Section C – Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

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

D.3.20 Record Keeping Requirements

(a) To document compliance with Condition D.3.1(b)(4), the Permittee shall maintain records of the amount of No. 2 fuel oil consumed by LA-15; these records shall be made available to the Commissioner upon request.

(b) To document compliance with Condition D.3.5, the Permittee shall maintain records in accordance with (1) through (9) below. Records maintained for (1) through (9) shall be taken monthly and shall be complete and sufficient to establish compliance with the sulfur dioxide emission limit established in Condition D.3.5.

(1) Calendar dates covered in the compliance determination period;

(2) Actual fuel oil usage since last compliance determination period and equivalent sulfur dioxide emissions;

(3) Actual coal usage since last compliance determination period and equivalent sulfur dioxide emissions;

(4) Sulfur content, heat content, and ash content;

(5) Vendor analysis of coal and coal supplier certification; and

(6) To certify compliance when burning natural gas only, the Permittee shall maintain records of fuel used.

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

(7) Fuel supplier certifications;

(8) The name of the fuel supplier; and

(9) A statement from the fuel supplier that certifies the sulfur content of the fuel oil.

(c) To document compliance with Condition D.3.13, the Permittee shall maintain records of the once per day visible emission notations. 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).

(d) To document compliance with Condition D.3.15, the Permittee shall maintain records of the:

(1) Hourly pH readings of scrubbers LA-67, LA-68, LA-69 and LA-71;

(2) Hourly scrubbant flow rate readings of scrubbers LA-67, LA-68, LA-69 and LA-17B;

(3) Average pH of the scrubbant of scrubbers LA-67, LA-68, LA-69 and LA-71, determined once per shift based on twelve one-hour readings; and

(4) Average scrubbant flow rate of scrubbers LA-67, LA-68, LA-69 and LA-71, determined once per shift based on twelve one-hour readings.

(e) To document compliance with Condition D.3.9, the Permittee shall record the pressure drop across the multiclone. The Permittee shall include in its daily record when a pressure drop reading is not taken and the reason for the lack of pressure drop reading (e.g. the process did not operate that day).

(f) To document compliance with Conditions D.3.17, D.3.18, and D.3.19, the Permittee shall maintain records of the continuous opacity monitoring (COM) data in accordance with 326 IAC 3-5. When the COM system is not functioning, the Permittee shall maintain the necessary records pursuant to Section C - Maintenance of Continuous Opacity Monitoring Equipment, and Response to Excursions or Exceedances. Records must be complete and sufficient to establish compliance with the limits established in this section.

(g) Pursuant to 326 IAC 3-7-5(a), the Permittee shall develop a standard operating procedure (SOP) to be followed for sampling, handling, analysis, quality control, quality assurance, and data reporting of the information collected pursuant to 326 IAC 3-7-2 through 326 IAC 3-7-4. In addition, any revision to the SOP shall be submitted to IDEM, OAQ.

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

D.3.21 Reporting Requirements

(a) A certification, signed by the responsible official, shall be submitted, that certifies all of the fuels combusted during the twelve month period.

(b) The natural gas boiler certification shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or its equivalent, within thirty (30) days after the end of the six (6) month period being reported. The natural gas-fired boiler certification submitted by the Permittee does require the certification by the Aresponsible official@ as defined by 326 IAC 2-7-1(34).

(c) A semi-annual summary of the information to document compliance with Condition D.3.5 in any compliance period when No. 2 fuel oil was combusted, and the natural gas fired boiler certification, shall be submitted to the address listed in Section C - General Reporting Requirements, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the six (6) month period being reported. The report submitted by the Permittee does require the certification by the Aresponsible official@ as defined by 326 IAC 2-7-1(34).

(d) To ensure compliance with Conditions D.3.10 and D.3.11, test results along with the amount of coal burned shall be submitted quarterly. Oil analysis may be based on the suppliers invoice and shall be submitted quarterly.

SECTION D.4 FACILITY OPERATION CONDITIONS

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

(d) Feed Products Storage and Loadout Area, consisting of:

(1) One (1) Corn Cleanings Bin, identified as Unit ID LA-22, constructed in 1977, with a baghouse for control, exhausting to stack 3.

(2) One (1) Gluten Conveyor to Storage/Loadout, identified as Unit ID LA-21, constructed in 1977, with a baghouse for control, exhausting to stack 10.

(3) One (1) Cooled Germ Conveyor to Storage Bin, identified as Unit ID LA-18, constructed in 1977, with a baghouse for control, exhausting to stack 11.

(4) One (1) Gluten Loadout, identified as Unit ID LA-21B, constructed in 2004, with a baghouse for control, exhausting to stack 9.

(5) One (1) Pellet Cooler #1, identified as Unit ID LA-79, constructed in 2004, with a cyclone (not integral) for control, exhausting to stack 58.

(6) One (1) Combo Pellet Cooler, identified as Unit ID LA-63, constructed in 1995, a cyclone (not integral) for control, exhausting to stack 42.

(7) One (1) Pellet Cooler #4, identified as Unit ID LA-80, constructed in 2004, with an cyclone (not integral) for control, exhausting to stack 59.

(8) One (1) Pellet Cooler #5, identified as Unit ID LA-81, constructed in 2004, with an cyclone (not integral) for control, exhausting to stack 60.

(9) One (1) Pellet Storage Bin, identified as Unit ID LA-64, constructed in 1995, with a integral baghouse for control, exhausting to stack 43.

(10) One (1) Hammermill Aspiration Process, identified as Unit ID LA-77, constructed in 2000, with a scrubber for control, exhausting to stack 54.

(11) One (1) Feed Dump Aspiration System, identified as Unit ID LA-83, constructed in 2004, with a baghouse for control, exhausting to stack 62.

(12) One (1) blond Pellet Bin, identified as Unit ID LA-82, constructed in 2004, with two baghouses for control, exhausting to stack 61.

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

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

D.4.1 Prevention of Significant Deterioration [326 IAC 2-2]

(a) Pursuant to PSD 79-1551, issued August 31, 1984, the PM emissions from LA-22 shall be controlled by baghouses that provide an overall control efficiency of at least 99.9%. Compliance with these limitations will satisfy the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration).

(b) Pursuant to OP 79-07-89-0345, issued February 5, 1986:

(1) The PM emissions from LA-18 shall not exceed 0.26 pounds per hour and 1.1 tons per year; and

(2) The PM emissions from LA-22 shall not exceed 0.12 pounds per hour and 0.5 tons per year.

Compliance with these limitations will satisfy the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration).

(c) Pursuant to CP 157-3581-00033, issued February 27, 1995 and amended April 5, 1995, the PM/PM10 emissions from LA-21 shall not exceed 1.03 pounds per hour.

Compliance with these limitations shall render the requirements of 326 IAC 2-2 not applicable for PM and PM10.

(d) Pursuant to SSM 157-16882-00033, issued December 5, 2003, and as revised by this permit:

(1) The PM/PM10 emissions shall not exceed the limits listed in the table below:

Unit ID	PM/PM10 emission limit (lb/hr)	PM/PM10 emission limit (ton/yr)
LA-21B	0.26	1.13
LA-63	3.00	13.1
LA-64	1.29	5.65
LA-77	0.77	3.38
LA-79	1.71	7.48
LA-80	1.71	7.48
LA-81	1.71	7.48
LA-82	0.26	1.13
LA-83	1.03	4.51

(2) The Permittee shall shut down units LA-19, LA-20, LA-23, LA-24, LA-49, and LA-59.

Compliance with these limitations shall render the requirements of 326 IAC 2-2 not applicable for PM and PM10.

D.4.2 Particulate Emission Limitations for Manufacturing Processes [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2, the allowable particulate emission rate from facilities LA-22, LA-21, LA-18, LA-63, LA-64, LA-77, LA-21B, LA-79, LA-80, LA-81, LA-82, LA-83 shall not exceed the pound per hour emission rate established as E in the following formula:

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:

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

Or depending on the process weight rate:

Interpolation and extrapolation of the data for the process weight rate in excess of 60,000 pounds per hour shall be accomplished by use of the equation:

$E = 55.0\ P^{0.11} - 40$ where E = rate of emission in pounds per hour; and
P = process weight rate in tons per hour

Note that the specific 326 IAC 6-3-2 limits have not been listed here as the process throughputs of the respective facilities is treated as confidential until a determination has been made.

D.4.3 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

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

Compliance Determination Requirements

D.4.4 Particulate Control

In order to comply with Conditions D.4.1 and D.4.2,

(a) The baghouses for particulate control, including those integral to the process, shall be in operation and control emissions from LA-22, LA-21, LA-18, LA-64, LA-21B, LA-82 and LA-83 at all times those facilities are in operation.

(b) The cyclones for particulate control, including those integral to the process, shall be in operation and control emissions from LA-79, LA-80, LA-81, and LA-63 at all times those facilities are in operation.

(c) The scrubber for particulate control shall be in operation and control emissions from LA-77 at all times the facility is in operation.

D.4.5 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]

Pursuant to SSM 157-16882-00033, issued December 5, 2003, and SSM 157-11449-00033, issued August 16, 2000, within 60 days of achieving maximum production rate, but no later than 180 days after the initial startup of LA-63, the Permittee shall perform PM testing for LA-63 utilizing methods as approved by the Commissioner. Testing shall be conducted in accordance with Section C-Performance Testing.

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

D.4.6 Visible Emissions Notations

(a) Visible emission notations of the stack exhaust from LA-22, LA-21, LA-18, LA-21B, LA-63, LA-64, LA-79, LA-80, LA-81, LA-82 and LA-83 shall be performed once per day during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.

(b) Visible emission notations of the stack exhaust from LA-77 shall be performed once per day during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.

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

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

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

(f) If abnormal emissions are observed, the Permittee shall take reasonable response steps in accordance with Section C – Response to Excursions or Exceedances. Failure to take

response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

D.4.7 Parametric Monitoring

(a) The Permittee shall record the pressure drop across the baghouse used in conjunction with LA-22, LA-21, LA-18, LA-82 and LA-64, at least once per day when these facilities are in operation. When for any one reading or observance, the pressure drop across the baghouse is outside the normal range of 3.0 and 6.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C- Response to Excursions or Exceedances. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

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

D.4.8 Broken or Failed Bag Detection

(a) For a single compartment baghouse controlling emissions from a process operated continuously, a failed unit and the associated process shall be shut down immediately until the failed unit has been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

(b) For a single compartment baghouse controlling emissions from a batch process, the feed to the process shall be shut down immediately until the failed unit has been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in the line. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

Bag failure can be indicated by a significant drop in the baghouse=s pressure reading with abnormal visible emissions, by an opacity violation, or by other means such as gas temperature, flow rate, air infiltration, leaks, dust traces or triboflows.

D.4.9 Cyclone Failure Detection [326 IAC 2-7-6(1)][326 IAC 2-7-5(1)]

In the event that cyclone failure has been observed:

The feed to the process shall be shut down immediately until the failed units have been repaired or replaced. The emission unit shall be shut down no later than the completion of the processing of the material in the emission unit. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions). Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation of this permit.

D.4.10 Scrubber Monitoring

(a) The Permittee shall monitor and record the scrubbing liquid rate from the scrubber controlling emissions from LA-77, at least once per hour, when the respective facility is in operation. The flow rate shall not average less than 25 gallons based on twenty-four (24) consecutive one-hour readings recorded during each day.

(b) When for any one reading, the flow rate is less than the normal range of 25 gallons per minute, or a minimum rate established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. A pressure reading or flow rate that is outside the above mentioned ranges, is not a deviation from this permit. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

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

D.4.11 Scrubber Failure Detection

In the event that a scrubber malfunction has been observed:

The feed to the process shall be shut down immediately until the failed units have been repaired or replaced. The emission unit shall be shut down no later than the completion of the processing of the material in the emission unit. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions). Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

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

D.4.12 Record Keeping Requirements

(a) To document compliance with Condition D.4.6, the Permittee shall maintain records of the once per day visible emission notations of the stack exhaust. 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).

(b) To document compliance with Condition D.4.7, the Permittee shall maintain records of the of the once per day pressure drop readings. The Permittee shall include in its daily record when a pressure drop reading is not taken and the reason for the lack of pressure drop reading (e.g. the process did not operate that day).

(c) To document compliance with Condition D.4.10, the Permittee shall maintain once per hour flow rate records of the scrubber controlling emissions from LA-77.

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

SECTION D.5 FACILITY CONDITIONS

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

(e) Refinery Area, consisting of:

(1) One (1) Mud Centrifuges Vent #1, identified as Unit ID LA-72, constructed in 1977, with no emission control device, exhausting to stack 46.

(2) One (1) Mud Centrifuges Vent #2, identified as Unit ID LA-73, constructed in 1977, with no emission control device, exhausting to stack 47.

(3) One (1) Mud Centrifuges Vent #3, identified as Unit ID LA-74, constructed in 1977, with no emission control device, exhausting to stack 53.

(4) One (1) Jets Foam Trap, identified as Unit ID LA-75, constructed in 1977, with no emission control device, exhausting to stack 48.

(5) One (1) Soda Ash Unloading and Storage, identified as Unit ID LA-29, constructed in 1977, with a scrubber for control, exhausting to stack 19.

(6) Two (2) Hydrochloric Acid Storage Tanks, identified as Unit ID LA-41, constructed in 1977, with a scrubber for control, exhausting to stack 32.

(7) One (1) Hydrochloric Acid Supply Head Tank, identified as Unit ID LA-76, constructed in 1977, with a scrubber for control, exhausting to stack 50.

(8) One (1) Cation IX Drain Tank, identified as Unit ID LA-65A, constructed in 1977, with a scrubber for control, exhausting to stack 51.

(9) One (1) Filter Aid Truck Unloading to West Storage Bin, identified as Unit ID LA-31, constructed in 1977, with a baghouse for control, exhausting to stack 20A.

(10) One (1) Filter Aid Truck Unloading to East Storage Bin, identified as Unit ID LA-31, constructed in 1977, with a baghouse for control, exhausting to stack 20B.

(11) One (1) Filter Aid Transfer from Storage Bins to Weighing Hopper, identified as Unit ID LA-32, constructed in 1993, with a baghouse for control, exhausting to stack 21.

(12) One (1) MBS Aspiration System, identified as Unit ID LA-61, constructed in 1995, with a scrubber for control, exhausting to stack 49.

(13) One (1) natural gas/No. 2 fuel oil fired Carbon Reactivation Furnace, identified as Unit ID LA-28, constructed in 1977, with a maximum heat input of 22 MMBtu/hr, with a scrubber for control, exhausting to stack 33.

(14) One (1) Krystar Dryer/Cooler, identified as Unit ID LA-51, constructed in 1987, with emissions controlled by two integral cyclones/product collectors (53L605) and a wet scrubber (53L606), exhausting to stack 35.

(15) One (1) natural gas-fired Carbon Reactivation Furnace, identified as Unit ID LA-28B, approved for construction in 2007, with a maximum heat input of 15 MMBtu/hr, with a wet scrubber and an afterburner for control, exhausting to stack 33B.

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

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

D.5.1 Prevention of Significant Deterioration (PSD) [326 IAC 2-2]

(a) Pursuant to OP 79-07-89-0345, issued February 5, 1986:

(1) The total particulate emissions from LA-31 shall not exceed 0.05 pounds per hour and 0.2 tons per year.

(2) The particulate emissions from LA-32 shall not exceed 0.03 pounds per hour and 0.1 tons per year.

(3) The sulfur dioxide emissions from LA-28 shall not exceed 10.4 pounds per hour and 45.6 tons per year.

Compliance with these limitations will satisfy the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration).

(b) Pursuant to CP 157-3581-00033, issued February 27, 1995, and amended May 6, 1996:

(1) The PM/PM10 emissions from LA-28 shall not exceed 1.29 pounds per hour.

(2) The sulfur dioxide emissions from LA-61 shall not exceed 5.96 pounds per hour and the concentration of sulfur dioxide in the exhaust shall not exceed 500 ppm.

Compliance with these limitations shall render the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration) not applicable for PM, PM10 and SO_2.

(c) Pursuant to SSM 157-11449-00033, issued August 16, 2000:

(1) The amount of steam vented under the alternate operating scenario from LA-75 shall not exceed 21,000,000 pounds per twelve consecutive month period with compliance determined at the end of each month.

Compliance with these limitations shall render the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration) not applicable for SO_2.

(d) Pursuant to CP 157-3581-00033, issued February 27, 1995 and amended April 5, 1995, and SSM 157-16770-00033, issued July 10, 2003, the PM/PM10 emissions from LA-51 shall not exceed 0.77 pounds per hour. Compliance with this limit will ensure compliance with 326 IAC 6-3-2, and shall render the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration) not applicable for PM and PM10.

(e) The particulate emissions from LA-29 shall not exceed 0.11 pounds per hour and 0.5 tons per year.

Compliance with these limitations shall render the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration) not applicable.

(f) In order to render the requirements of 326 IAC 2-2 (PSD) not applicable, emissions from the carbon reactivation furnace LA-28B shall not exceed the emission limits listed in the table below:

Pollutant	Emission Limits (lbs/hr)
PM/PM10	1.0
VOC	1.0
CO	5.0

Compliance with the above emission limits ensures that the emissions from the modification

permitted in SSM 157-24835-00033 are limited to less than 25 tons per year for PM, 15 tons per year for PM10, 40 tons per year for VOC, and 100 tons per year for CO. Therefore, the requirements of 326 IAC 2-2 (PSD) are not applicable.

D.5.2 Particulate Emission Limitations for Manufacturing Processes [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2, the allowable particulate emission rate from facilities LA-29, LA-31(stack 20A), LA-31(stack 20B), LA-32, LA-28, LA-28B, and LA-51 shall not exceed the pound per hour emission rate established as E in the following formula:

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:

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

Or depending on the process weight rate:

Interpolation and extrapolation of the data for the process weight rate in excess of 60,000 pounds per hour shall be accomplished by use of the equation:

$E = 55.0\ P^{0.11} - 40$ where E = rate of emission in pounds per hour; and
P = process weight rate in tons per hour

Note that the specific 326 IAC 6-3-2 limits have not been listed here as the process throughputs of the respective facilities is treated as confidential until a determination has been made.

D.5.3 Sulfur Dioxide [326 IAC 7-1.1-2] [326 IAC 7-2-1]

Pursuant to 326 IAC 7-1.1-2(a)(3), the sulfur dioxide emissions from LA-28 shall not exceed 0.5 pounds per MMBtu heat input when combusting #2 fuel oil. Pursuant to 326 IAC 7-2-1, compliance shall be demonstrated on a calendar month average.

D.5.4 VOC Emissions [326 IAC 8-1-6]

Pursuant to 326 IAC 8-1-6 (BACT), the Permittee shall control the VOC emissions from carbon reactivation furnace LA-28B with a Best Available Control Technology (BACT), which has been determined to be the following:

(a) The VOC emissions from the furnace LA-28B shall be controlled by an afterburner.

(b) The VOC emissions from the furnace LA-28B stack (Stack 33B) shall not exceed 1.0 lbs/hr.

(c) The overall VOC control efficiency for the afterburner (including the capture efficiency and destruction efficiency) shall be at least 98%, or the VOC outlet concentration shall not exceed 10 ppmv.

D.5.5 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

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

Compliance Determination Requirements

D.5.6 Particulate and Sulfur Dioxide Control

In order to comply with Conditions D.5.1 and D.5.2:

(a) The baghouses for particulate control shall be in operation and control emissions from LA-31(stack 20A), LA-31(stack 20B), LA-32 at all times that the respective facilities are in operation.

(b) The scrubbers for particulate control shall be in operation and control emissions from LA-28, LA-29 and LA-51 at all times that the respective facilities are in operation.

(c) The cyclone, determined to be integral to the process, for particulate control shall be in operation and control emissions from LA-51 at all times that the facility is in operation.

(d) The scrubber for sulfur dioxide control shall be in operation and control emissions from LA-61 at all times that the facility is in operation.

(e) The wet scrubber for particulate control and the afterburner for VOC and CO control shall be in operation and control emissions from furnace LA-28B at all times that this furnace in operation.

D.5.7 Sulfur Dioxide Emissions and Sulfur Content

Compliance with Condition D.5.3 shall be determined pursuant to 326 IAC 3-7-4. The Permittee shall demonstrate that the sulfur dioxide emissions from LA-28 do not exceed five-tenths (0.5) pound per million Btu heat input when combusting #2 fuel oil by:

(a) Providing vendor analysis of fuel delivered (including Btu per gallon and percent sulfur), if accompanied by a vendor certification, or;

(b) Analyzing the oil sample to determine the sulfur content of the oil via the procedures in 40 CFR 60, Appendix A, Method 19.

(1) Oil samples may be collected from the fuel tank immediately after the fuel tank is filled and before any oil is combusted; and

(2) If a partially empty fuel tank is refilled, a new sample and analysis would be required upon filling.

A determination of noncompliance pursuant to the method specified above shall not be refuted by evidence of compliance pursuant to the other method.

D.5.8 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]

In order to verify compliance with Conditions D.5.1(f), D.5.2, D.5.4(b), and D.5.4(c), the Permittee shall perform PM/PM10, VOC (including emission rate, destruction efficiency, and capture efficiency), and CO testing for furnace LA-28B within 60 days after achieving the maximum capacity, but not later than 180 days after initial startup, utilizing methods as approved by the Commissioner. These tests shall be repeated at least once every five (5) years from the date of this valid compliance demonstration. Testing shall be conducted in accordance with Section C - Performance Testing. PM10 includes filterable and condensible PM10.

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

D.5.9 Visible Emissions Notations

(a) Visible emission notations of LA-29, LA-28, LA-28B, and LA-51 stack exhaust shall be performed once per day during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.

(b) Visible emission notations of LA-31(stack 20A), LA-31(stack 20B), and LA-32 stack exhaust shall be performed once per day during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.

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

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

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

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

D.5.10 Parametric Monitoring

The Permittee shall record the pressure drop across the baghouses used to control emissions from LA-31(stack 20A), LA-31(stack 20B), and LA-32, at least once per day when the facilities are in operation. When for any one reading or observance, the pressure drop across the baghouse is outside the normal range of 3.0 and 6.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C-Response to Excursions or Exceedances. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

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

D.5.11 Broken or Failed Bag Detection

(a) For a single compartment baghouse controlling emissions from a process operated continuously, a failed unit~~s~~ and the associated process shall be shut down immediately until the failed unit has been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

(b) For a single compartment baghouse controlling emissions from a batch process, the feed to the process shall be shut down immediately until the failed unit has been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in the line. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

Bag failure can be indicated by a significant drop in the baghouse=s pressure reading with abnormal visible emissions, by an opacity violation, or by other means such as gas temperature, flow rate, air infiltration, leaks, dust traces or triboflows.

D.5.12 Scrubber Monitoring

(a) The Permittee shall monitor the pH of the scrubbing liquid and scrubber recirculation rate at least once per day of the scrubber controlling emissions from LA-61 during normal operation. When for any one reading, the pH or flow rate readings across the scrubber are outside of the respective normal ranges, as specified by the manufacturer, the Permittee shall take reasonable response steps in accordance with Section C – Response to Excursions or Excursions. A reading that is outside the normal range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

(b) The Permittee shall monitor the scrubber recirculation rate at least once per day of the scrubbers controlling emissions from LA-28, LA-28B, and LA-29 during normal operation. When for any one reading the flow rate readings are outside of the respective normal ranges, as specified by the manufacturer, the Permittee shall take reasonable response steps in accordance with Section C – Response to Excursions or Excursions. A reading that is outside the normal range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

(c) The Permittee shall monitor the scrubbant flow rate at least once per hour of the scrubber controlling emissions from LA-51. The Permittee shall also average the previous twenty-four (24) readings of the scrubbant flow rate once per day. If the average scrubbant flow rate (based on twenty-four (24), one-hour readings) is less than 100 gallons per minute, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. An average scrubbant flow rate (based on twenty-four (24), one-hour readings) that is less than 100 gallons per minute is not a deviation from this permit. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

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

D.5.13 Scrubber Failure Detection [326 IAC 2-7-6(1)][326 IAC 2-7-5(1)]

In the event that scrubber failure has been observed:

The feed to the process shall be shut down immediately until the failed units have been repaired or replaced. The emission unit shall be shut down no later than the completion of the processing of the material in the emission unit. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions). Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation of this permit.

D.5.14 Cyclone Failure Detection [326 IAC 2-7-6(1)][326 IAC 2-7-5(1)]

In the event that cyclone failure has been observed:

The feed to the process shall be shut down immediately until the failed units have been repaired or replaced. The emission unit shall be shut down no later than the completion of the processing of the material in the emission unit. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions). Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation of this permit.

D.5.15 Afterburner Temperature

(a) A continuous monitoring system shall be calibrated, maintained, and operated on the afterburner associated with furnace LA-28B for measuring operating temperature. For the purpose of this condition, continuous means no less than once per minute. The output of this system shall be recorded as a 3-hour average. From the date of issuance of this permit until the approved stack test results are available, the Permittee shall operate the afterburner associated with furnace LA-28B at or above the 3-hour average temperature of 1,400°F.

(b) The Permittee shall determine the 3-hour average temperature from the most recent valid stack test that demonstrates compliance with limits in Conditions D.5.1(f) and D.5.4(b), as approved by IDEM.

(c) On and after the date the approved stack test results are available, the Permittee shall operate the afterburner associated with furnace LA-28B at or above the 3-hour average temperature as observed during the compliant stack test.

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

D.5.16 Record Keeping Requirements

(a) To document compliance with Condition D.5.1(c), the Permittee shall maintain records of the total pounds of steam vented per calendar month. 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).

(b) To document compliance with Condition D.5.3, the Permittee shall maintain records in accordance with (1) through (6) below. Records maintained for (1) through (6) shall be taken monthly and shall be complete and sufficient to establish compliance with the sulfur dioxide emission limit established in Condition D.5.3.

(1) Calendar dates covered in the compliance determination period;

(2) Actual fuel oil usage since last compliance determination period and equivalent sulfur dioxide emissions;

(3) To certify compliance when burning natural gas only, the Permittee shall maintain records of fuel used;

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

(4) Fuel supplier certifications;

(5) The name of the fuel supplier; and

(6) A statement from the fuel supplier that certifies the sulfur content of the fuel oil.

(c) To document compliance with Condition D.5.9(a), the Permittee shall maintain records of the once per day visible emission notations of the stack exhaust from LA-29, LA-28, LA-28B, and LA-51. 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).

(d) To document compliance with Condition D.5.9(b), the Permittee shall maintain records of the once per day visible emission notations of the stack exhaust from LA-31(stack 20A), LA-31(stack 20B), and LA-32. 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) To document compliance with Condition D.5.10, the Permittee shall maintain records of the once per day pressure drop readings. The Permittee shall include in its daily record when a pressure drop reading is not taken and the reason for the lack of pressure drop reading (e.g. the process did not operate that day).

(f) To document compliance with Condition D.5.12, the Permittee shall maintain:

(1) Once per day records of the scrubbing liquid pH and scrubber recirculation rate of the scrubber controlling emissions from LA-61. The Permittee shall include in its daily record when the pH and scrubber recirculation rate reading are not taken and the reason for the lack of pH reading and recirculation rate reading (e.g. the process did not operate that day).

(2) Once per day records of the scrubber recirculation rate of the scrubbers controlling emissions from LA-28, LA-28B, and LA-29. The Permittee shall include in its daily record when a scrubber recirculation rate reading is not taken and the reason for the lack of recirculation rate reading (e.g. the process did not operate that day).

(3) Hourly scrubbant flow rate readings of the scrubber controlling emissions from LA-51.

(4) Once per day average scrubbant flow rate of the scrubber controlling emissions from LA-51 based on twenty-four (24) one-hour readings.

(g) To document compliance with Condition D.5.15, the Permittee shall maintain continuous temperature records for the afterburner associated with furnace LA-28B and the 3-hour average temperature used to demonstrate compliance during the most recent compliant stack test.

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

D.5.17 Reporting Requirements

(a) A quarterly summary of the information to document compliance with Condition D.5.1(c) shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the Aresponsible official@ as defined by 326 IAC 2-7-1(34).

(b) A certification, signed by the responsible official, shall be submitted, that certifies all of the fuels combusted during the twelve month period.

(c) The natural gas boiler certification shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or its equivalent, within thirty (30) days after the end of the six (6) month period being reported. The natural gas-fired boiler certification submitted by the Permittee does require the certification by the Aresponsible official@ as defined by 326 IAC 2-7-1(34).

(d) A semi-annual summary of the information to document compliance with Condition D.5.3 in any compliance period when No. 2 fuel oil was combusted, and the natural gas fired boiler certification, shall be submitted to the address listed in Section C - General Reporting Requirements, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the six (6) month period being reported. The report submitted by the Permittee does require the certification by the Aresponsible official@ as defined by 326 IAC 2-7-1(34).

SECTION D.6 FACILITY OPERATION CONDITIONS

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

(f) Coal and Ash Storage and Handling Area, consisting of:

(1) One (1) Coal Unloading Building Aspiration System, identified as Unit ID LA-33, constructed in 1977, with a baghouse for control, exhausting to stack 22.

(2) One (1) Crusher and Transfer Building Aspiration System, identified as Unit ID LA-34, constructed in 1977, with a baghouse for control, exhausting to stack 23.

(3) One (1) Coal Storage Silos Top Aspiration System, identified as Unit ID LAB35, constructed in 1977, with a baghouse for control, exhausting to stack 24.

(4) One (1) Coal Storage Silos Bottom Aspiration System, identified as Unit ID LA-36, constructed in 1977, with a baghouse for control, exhausting to stack 25.

(5) One (1) Utility Building Aspiration System #1, identified as Unit ID LA-37, constructed in 1977, with a baghouse for control, exhausting to stack 26.

(6) One (1) Utility Building Aspiration System #2, identified as Unit ID LA-38, constructed in 1977, with a baghouse for control, exhausting to stack 27.

(7) One (1) Coal Silo Aspiration System, identified as Unit ID LA-55, constructed in 1977, with a rotoclone for control, exhausting to stack 28.

(8) One (1) Coal Bunkers Aspiration, identified as Unit ID LA-56, constructed in 1977, with a rotoclone for control, exhausting to stack 29.

(9) One (1) Ash Transfer Aspiration Vacuum Blower #1, identified as Unit ID LA-42A, constructed in 1977, with a baghouse for control, exhausting to stack 30A.

(10) One (1) Ash Transfer Aspiration Vacuum Blower #2, identified as Unit ID LA-42A, constructed in 1977, with a baghouse for control, exhausting to stack 30B.

(11) One (1) Ash Silo Aspiration Air East Vent, identified as Unit ID LA-42B, constructed in 1977, with a dampered vent, exhausting to stack 31A.

(12) One (1) Ash Silo Aspiration Air West Vent, identified as Unit ID LA-42B, constructed in 1977, with a dampered vent, exhausting to stack 31B.

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

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

D.6.1 Prevention of Significant Deterioration [326 IAC 2-2]

Pursuant to OP 79-07-89-0345, issued February 5, 1986:

(a) The particulate emissions from LA-33 shall not exceed 1.77 pounds per hour and 7.8 tons per year.

(b) The particulate emissions from LA-34 shall not exceed 0.69 pounds per hour and 3.0 tons per year.

(c) The particulate emissions from LA-35 shall not exceed 0.51 pounds per hour and 2.2 tons per year.

(d) The particulate emissions from LA-36 shall not exceed 0.84 pounds per hour and 3.7 tons per year.

(e) The particulate emissions from LA-37 shall not exceed 0.10 pounds per hour and 0.44 tons per year.

(f) The particulate emissions from LA-38 shall not exceed 0.10 pounds per hour and 0.44 tons per year.

(g) The total particulate emissions from LA-42A shall not exceed 0.33 pounds per hour and 1.4 tons per year.

(h) The total particulate emissions from LA-42B shall not exceed 0.9 pounds per hour and 3.9 tons per year.

Compliance with these limitations will satisfy the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration).

D.6.2 Particulate Emission Limitations for Manufacturing Processes [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2, the allowable particulate emission rate from facilities LA-33, LA-34, LA-35, LA-36, LA-37, LA-38, LA-55, LA-56, LA-42A (stack 30A), LA-42A (stack 30B), LA-42B (stack 31A) and LA-42B (stack 31B) shall not exceed the pound per hour emission rate established as E in the following formula:

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:

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

Or depending on the process weight rate:

Interpolation and extrapolation of the data for the process weight rate in excess of 60,000 pounds per hour shall be accomplished by use of the equation:

$E = 55.0\ P^{0.11} - 40$ where E = rate of emission in pounds per hour; and
P = process weight rate in tons per hour

Note that the specific 326 IAC 6-3-2 limits have not been listed here as the process throughputs of the respective facilities is treated as confidential until a determination has been made.

D.6.3 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

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

Compliance Determination Requirements

D.6.4 Particulate Control

In order to comply with Conditions D.6.1 and D.6.2,

(a) The baghouses for particulate control shall be in operation and control emissions from LA-33, LA-34, LA-35, LA-36, LA-37, LA-38, LA-42A (stack 30A) and LA-42A (stack 30B) at all times that the facilities are in operation.

(b) The rotoclones for particulate control shall be in operation and control emissions from LA-55 and LA-56 at all times that the facilities are in operation.

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

D.6.5 Visible Emissions Notations

(a) Visible emission notations of the stack exhaust from LA-55, LA-56, LA-42A (stack 30A), LA-42A (stack 30B), LA-42B (stack 31A) and LA-42B (stack 31B) shall be performed once per day during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.

(b) Visible emission notations of the stack exhaust from LA-33, LA-34, LA-35, LA-36, LA-37, and LA-38 shall be performed once per day during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.

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

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

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

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

D.6.6 Parametric Monitoring

(a) The Permittee shall record the pressure drop across the baghouses used in conjunction with LA-42A (stack 30A) and LA-42A (stack 30B) at least once per day when the facilities are in operation. When for any one reading or observance, the pressure drop across the baghouse is outside the normal range of 3.0 and 6.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

(b) The Permittee shall record the pressure drop across the baghouses used in conjunction with LA-33, LA-34, LA-35, LA-36, LA-37, and LA-38 at least once per day when the facilities are in operation. When for any one reading or observance, the pressure drop across the baghouse is outside the normal range of 3.0 and 6.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

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

D.6.7 Broken or Failed Bag Detection

(a) For a single compartment baghouse controlling emissions from a process operated continuously, a failed unit~~s~~ and the associated process shall be shut down immediately until the failed unit has been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

(b) For a single compartment baghouse controlling emissions from a batch process, the feed to the process shall be shut down immediately until the failed unit has been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in the line. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

Bag failure can be indicated by a significant drop in the baghouse=s pressure reading with abnormal visible emissions, by an opacity violation, or by other means such as gas temperature, flow rate, air infiltration, leaks, dust traces or triboflows.

D.6.8 Rotoclone Failure Detection

In the event that rotoclone failure has been observed:

The feed to the process shall be shut down immediately until the failed units have been repaired or replaced. The emission unit shall be shut down no later than the completion of the processing of the material in the emission unit. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions). Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

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

D.6.9 Record Keeping Requirements

(a) To document compliance with Condition D.6.5, the Permittee shall maintain records of the once per day visible emission notations from LA-42A (stack 30A) and LA-42A (stack 30B), LA-42B (stack 31A) and LA-42B (stack 31B). 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).

(b) To document compliance with Condition D.6.5, the Permittee shall maintain records of the once per day visible emission notations from LA-33, LA-34, LA-35, LA-36, LA-37, and LA-38. 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).

(c) To document compliance with Condition D.6.6, the Permittee shall maintain records of the pressure drop readings once per day. The Permittee shall include in its daily record when a pressure drop reading is not taken and the reason for the lack of pressure drop reading (e.g. the process did not operate that day).

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

SECTION D.7 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]: Specifically Regulated Insignificant Activities

(a) Coal bunker and coal scale exhausts and associated dust collector vents [326 IAC 6-3-2].

(b) Vents from ash transport systems not operated at positive pressure [326 IAC 6-3-2].

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

(d) Structural steel and bridge fabrication activities using 80 tons or less of welding consumables. [326 IAC 6-3-2]

(e) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment cutting torches, soldering equipment, welding equipment. [326 IAC 6-3-2]

(f) Activities with emissions equal to or less than the following thresholds: 5 lb/hr or 25 lb/day PM; 5 lb/hr or 25 lb/day SO2; 5 lb/hr or 25 lb/day NOx; 3 lb/hr or 15 lb/day VOC; 0.6 tons per year Pb; 1.0 ton/yr of a single HAP, or 2.5 ton/yr of any combination of HAPs:

(1) Germ Day Bin, exhausting to stack 61. [326 IAC 6-3-2]

(2) Starch/Gluten Loadout, exhausting to stack 8. [326 IAC 6-3-2]

(3) Salt Storage Tank, exhausting to stack 12. [326 IAC 6-3-2]

(4) Soda Ash Head Tank, exhausting to stack 52. [326 IAC 6-3-2]

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

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

D.7.1 Particulate [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2, the allowable particulate emission rate from the insignificant activities listed in this section shall be limited using the following equation:

Those activities with a process weight rate of less than 100 pounds per hour shall be limited to 0.551 pounds per hour;

Or depending on the process weight rate:

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

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

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY

PART 70 OPERATING PERMIT
CERTIFICATION

Source Name: Tate & Lyle, Lafayette South
Source Address: 3300 U.S. 52 South, Lafayette, Indiana, 47905
Mailing Address: 2200 East Eldorado Street, Decatur, Illinois 62525
Part 70 Permit No.: T157-6008-00033

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

Please check what document is being certified:

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

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

Signature:
Printed Name:
Title/Position:
Phone:
Date:

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

PART 70 OPERATING PERMIT
EMERGENCY OCCURRENCE REPORT

Source Name: Tate & Lyle, Lafayette South
Source Address: 3300 U.S. 52 South, Lafayette, Indiana, 47905
Mailing Address: 2200 East Eldorado Street, Decatur, Illinois 62525
Part 70 Permit No.: T157-6008-00033

This form consists of 2 pages **Page 1 of 2**

☐ This is an emergency as defined in 326 IAC 2-7-1(12)

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

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

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

If any of the following are not applicable, mark N/A **Page 2 of 2**

Date/Time Emergency started:
Date/Time Emergency was corrected:
Was the facility being properly operated at the time of the emergency? Y N Describe: 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: _____

Attach a signed certification to complete this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
Compliance Data Section

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

Source Name: Tate & Lyle, Lafayette South
Source Address: 3300 U.S. 52 South, Lafayette, Indiana, 47905
Mailing Address: 2200 East Eldorado Street, Decatur, Illinois 62525
Part 70 Permit No.: T157-6008-00033

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

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

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

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
Compliance Data Section

Part 70 Quarterly Report

Source Name: Tate & Lyle, Lafayette South
Source Address: 3300 U.S. 52 South, Lafayette, Indiana, 47905
Mailing Address: 2200 East Eldorado Street, Decatur, Illinois 62525
Part 70 Permit No.: T157-6008-00033
Facility: LA-75
Parameter: Amount of steam vented (pounds per 12 consecutive month period)
Limit: 21,000,000 pounds per 12 consecutive month period with compliance determined for the end of each month.

YEAR: _____

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

☐ No deviation occurred in this quarter.

☐ Deviation/s occurred in this quarter.
Deviation has been reported on:_____

Submitted by: _____
Title / Position: _____
Signature: _____
Date: _____
Phone: _____

Attach a signed certification to complete this report.

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

Part 70 Quarterly Report

Source Name: Tate & Lyle, Lafayette South
Source Address: 3300 U.S. 52 South, Lafayette, Indiana, 47905
Mailing Address: 2200 East Eldorado Street, Decatur, Illinois 62525
Part 70 Permit No.: T157-6008-00033
Facility: LA-8, LA-17A, LA-46, LA-47 and LA-28.
Parameter: Sulfur dioxide emissions
Limit: 0.5 pounds per MMBtu of heat input

Month: _____ **Year:** _____

Month	Sulfur Content (%)	Heat Content	Fuel usage (gal/month)	SO_2 Emissions (lb/MMBTU)

☐ No deviation occurred in this quarter.

☐ Deviation/s occurred in this quarter.
Deviation has been reported on:_____

Submitted by: _____
Title / Position: _____
Signature: _____
Date: _____
Phone: _____

Attach a signed certification to complete this report.

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

Part 70 Quarterly Report

Source Name: Tate & Lyle, Lafayette South
Source Address: 3300 U.S. 52 South, Lafayette, Indiana, 47905
Mailing Address: 2200 East Eldorado Street, Decatur, Illinois 62525
Part 70 Permit No.: T157-6008-00033
Facility: LA-45
Parameter: Sulfur dioxide emissions (pounds per MMBtu of heat input)
Limit: 6.0 pounds per MMBtu of heat input

Month: _____ **Year:** _____

Month	Sulfur Content (%)	Heat Content	Fuel usage (gal/month)	SO_2 Emissions (lb/MMBTU)

☐ No deviation occurred in this quarter.

☐ Deviation/s occurred in this quarter.
Deviation has been reported on:_____

Submitted by: _____
Title / Position: _____
Signature: _____
Date: _____
Phone: _____

Attach a signed certification to complete this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
Compliance Data Section

PART 70 OPERATING PERMIT
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT

Source Name:	Tate & Lyle, Lafayette South
Source Address:	3300 U.S. 52 South, Lafayette, Indiana, 47905
Mailing Address:	2200 East Eldorado Street, Decatur, Illinois 62525
Part 70 Permit No.:	T157-6008-00033

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

Page 1 of 2

This report shall be submitted quarterly based on a calendar year. Any deviation from the requirements, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. Deviations that are required to be reported by an applicable requirement shall be reported according to the schedule stated in the applicable requirement and do 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".

☐ NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.

☐ THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD

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

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

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

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

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

Form Completed By: _____

Title/Position: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

Indiana Department of Environmental Management
Office of Air Quality

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

Source Background and Description

Source Name:	Tate & Lyle, Lafayette South
Source Location:	3300 U.S. 52, Lafayette, Indiana 47905
County:	Tippecanoe
SIC Code:	2046
Operation Permit No.:	157-6008-00033
Operation Permit Issuance Date:	June 28, 2004
Source Modification No.:	157-24835-00033
Permit Modification No.:	157-24984-00033
Permit Reviewer:	ERG/YC

The Office of Air Quality (OAQ) has reviewed a modification application from Tate & Lyle, Lafayette South relating to the operation of a stationary corn wet milling plant.

Existing Approvals

The source was issued Part 70 Permit No. 157-6008-00033 on June 28, 2004 and the First Administrative Amendment No.: 157-20549-00033 on March 10, 2005.

County Attainment Status

The source is located in Tippecanoe County.

Pollutant	Status
PM10	Attainment
PM2.5	Attainment
SO_2	Attainment
NO_2	Attainment
8-hour Ozone	Attainment
CO	Attainment
Lead	Attainment

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

(a) Tippecanoe County has been classified as attainment for PM2.5. U.S. EPA has not yet established the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2 for PM 2.5 emissions. Therefore, until the U.S. EPA adopts specific provisions for PSD review for PM2.5 emissions, it has directed states to regulate PM10 emissions as a surrogate for PM2.5 emissions.

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

(c) Tippecanoe 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.

(d) Fugitive Emissions
This type of operation is in one of the twenty-eight (28) listed source categories under 326 IAC 2-2 (total heat input boiler capacity of greater than 250 MMBtu/hr). Therefore, fugitive emissions are counted toward the determination of PSD applicability.

Source Status

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 (tons/year)
PM	Greater than 100
PM10	Greater than 100
SO_2	6,391
VOC	Greater than 100
CO	207
NO_x	1,244

(a) This existing source is a major stationary source, under PSD (326 IAC 2-2) because the potential to emit PM, PM10, SO_2, VOC, CO, and NOx is greater than 100 tons per year or more, and it is in one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(gg)(1).

(b) These emissions are based upon the Technical Support Document (TSD) for T157-6008-00033, issued on June 28, 2004.

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

HAPs	Potential To Emit (tons/year)
A Single HAP	Greater than 10
Total	Greater than 25

This existing source is a major source of HAPs, as defined in 40 CFR 63.41, because HAP emissions are greater than ten (10) tons per year for a single HAP and greater than twenty-five (25) tons per year for any combination of HAPs. Therefore, this source is a major source under Section 112 of the Clean Air Act (CAA).

Actual Emissions

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

Pollutant	Actual Emissions (tons/year)
PM	339
PM10	339
SO_2	1,326
VOC	446
CO	270
NO_x	544
HAP	Not Reported

Description of Proposed Modifications

Tate & Lyle, Lafayette South is an existing corn wet milling plant and is a PSD major source. Their Part 70 operating permit (T157-6008-00033) was issued on June 28, 2004. On May 29, 2007, IDEM received an application from the source requesting the following modifications to the existing corn syrup refinery operations:

1. The installation and operation of a new natural gas-fired carbon reactivation furnace (identified as LA-28B) at the refinery area. The maximum heat input capacity for the new furnace is 15 MMBtu/hr. The new furnace has an afterburner for CO and VOC control and will be equipped with a new pH-adjusted wet scrubber for PM and SO_2 control. The proposed furnace will vent to a new stack (stack 33B).

2. Change in the method of operation the existing Krystar Dryer/Cooler (identified as LA-51). The recycling part will be changed from a maximum of 50% to a range of 0% to 50%. The existing Krystar Dryer/Cooler is currently controlled by two (2) integral cyclones/product collectors (53L605) and one (1) wet scrubber (53L606) in series, and exhausts to stack 35. The maximum throughput of the dryer will remain the same.

   In Condition D.5.1(d) of T157-6008-00033, PM/PM10 emissions from the Krystar Dryer/Cooler (LA-51) are limited to 0.77 lbs/hr, which was established based on the maximum outlet grain loading of 0.02 gr/acf and the maximum flow rate of 4,500 cfm for wet scrubber 53L606. The proposed change in operation method of the existing Krystar Dryer/Cooler may result in an increase in Krystar production. However, all the Krystar downstream operations, including Krystar handling, packaging, and loadout operations, are also controlled by wet scrubber 53L606 and vent through stack 35. Therefore, the total PM/PM10 emissions from the Krystar Dryer/Cooler (LA-51) and downstream units are still limited to less than 0.77 lbs/hr. The Permittee does not seek changes to the emission limit for stack 35. None of the existing permit conditions will be affected as a result of this modification.

Enforcement Issues

There are no pending enforcement actions regarding to this modification.

Stack Summary

Stack ID	Operation	Height (feet)	Diameter (feet)	Flow Rate (acfm)	Temperature (^{0}F)
33B	Carbon Reactivation Furnace LA-28B	115	1.5	6,165	160
35	Krystar Dryer/Cooler	65	1.5 x 1.3	4,500	70

Emission Calculations

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

Permit Level Determination – Part 70

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.”

The following table is used to determine the appropriate permit level under 326 IAC 2-7-10.5. This table reflects the PTE before controls. Control equipment is not considered federally enforceable until it has been required in a federally enforceable permit.

Pollutant	Potential To Emit (tons/year)
PM	Greater than 100
PM10	Greater than 100
SO_2	26.3
VOC	43.8
CO	219
NO_x	13.1

HAPs	Potential To Emit (tons/year)
Hexane	0.12
Other HAPs	Negligible
TOTAL	0.12

Note: The PTE listed here only includes the uncontrolled PTE for the proposed new furnace (LA-28B).

This modification is being performed through a Part 70 Significant Source Modification because (1) the potential to emit PM, PM10, SO_2, and VOC from this modification is greater than 25 tons per year pursuant to 326 IAC 2-7-10.5 (f)(4); and (2) the potential to emit CO from this modification is greater than 100 tons per year, pursuant to 326 IAC 2-7-10.5 (f)(7). The permit modification is being performed through a Part 70 Significant Permit Modification pursuant to 326 IAC 2-7-12(d) because this modification involves significant changes to the existing monitoring, recordkeeping, and reporting requirements.

Permit Level Determination – PSD

The table below summarizes the potential to emit, reflecting all limits, of the significant emission units after controls. The control equipment is considered federally enforceable only after issuance of this Part 70 source modification.

	Potential to Emit (tons/year)						
Process/facility	PM	PM-10	SO_2	VOC	CO	NO_X	HAPs
PTE of the Proposed Furnace (LA-28)	Less than 4.38	Less than 4.38	Less than 13.1	Less than 4.38	Less than 21.9	13.1	0.12
PTE of the modification for the existing Krystar Dryer/Cooler (LA-51), Stack 35*	Less than 3.38	Less than 3.38	-	-	-	-	-
PTE of this Modification	Less than 7.76	Less than 7.76	Less than 13.1	Less than 4.38	Less than 21.9	13.1	0.12
PSD Significant Modification Thresholds	25	15	40	40	100	40	NA

*Note: The PTE of the existing Krystar Dryer/Cooler (LA-51) was calculated based on the emission rate limit of 0.77 lbs/hr from wet scrubber stack 35. The Krystar handling, packing, and loadout operations also vent to stack 35. The actual emissions from the existing Krystar Dryer/Cooler are not available. Therefore, the PTE of dryer/cooler (LA-51) is listed here as the PTE of the modification for the existing Dryer/Cooler (LA-51) under PSD review purposes.

This modification to an existing PSD major stationary source is not major because the emissions increase from this modification is limited to less than the PSD significant modification thresholds. Therefore, the requirements of PSD (326 IAC 2-2) do not apply to this modification.

Federal Rule Applicability Determination

(a) There are no New Source Performance Standards (NSPS)(326 IAC 12 and 40 CFR Part

60) applicable to the proposed furnace.

(b) There are no National Emission Standards for Hazardous Air Pollutants (NESHAP)(326 IAC 14, 20 and 40 CFR Part 61, 63) applicable to the proposed furnace.

(c) The proposed modification does involve a pollutant-specific emissions unit (furnace LA-28B) as defined in 40 CFR 64.1:

(1) With the potential to emit before controls equal to or greater than the major source threshold.

(2) That is subject to an emission limitation or standard; and

(3) Uses a control device as defined in 40 CFR 64.1 to comply with that emission limitation or standard.

Therefore, the requirements of 40 CFR 64 (Compliance Assurance Monitoring) are applicable to the proposed furnace (LA-28B). Since the controlled VOC emissions from this unit are less than 100 tons per year, the CAM plan for this unit shall be submitted along with the Part 70 permit renewal application and will not be addressed in this modification permit.

State Rule Applicability Determination

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

326 IAC 2-2 (PSD)

This source is an existing PSD major source and is in one of the 28 source categories. The potential to emit of this modification before control is greater than 25 tons per year for PM, greater than 15 tons per year for PM10, greater than 40 tons per year for VOC, and greater than 100 tons per year for CO. In order to render the requirements of 326 IAC 2-2 (PSD) not applicable, the Permittee shall comply with the following:

(a) The emissions from the carbon reactivation furnace LA-28B shall not exceed the emission limitation listed in the table below:

Pollutant	Emission Limits (lbs/hr)
PM/PM10	1.0
VOC	1.0
CO	5.0

This furnace will use a wet scrubber and an afterburner to ensure compliance with the emission limits above.

(b) PM/PM10 emissions from the Krystar Dryer/Cooler (LA-51, stack 35) shall not exceed 0.77 lbs/hr. The use of wet scrubber 53L606 ensures compliance with this limit.

Compliance with the above limits ensure that the potential to emit from this modification is limited to less than 25 tons per year for PM, 15 tons per year for PM10, 40 tons per year for VOC, and 100 tons per year for CO. Therefore, the requirements of 326 IAC 2-2 (PSD) are not applicable.

326 IAC 5-1 (Opacity Limitations)

Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity for sources 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.

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

Pursuant to 326 IAC 6-3-2, the allowable particulate emission rate from furnace LA-28B and Krystar Dryer/Cooler (LA-51) shall be limited using one of the following equations (as applicable):

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

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

Or depending on the process weight rate:

Interpolation and extrapolation of the data for the process weight rate in excess of 60,000 pounds per hour shall be accomplished by use of the equation:

$E = 55.0\ P^{0.11} - 40$ where E = rate of emission in pounds per hour; and
P = process weight rate in tons per hour

Note that the specific 326 IAC 6-3-2 limit has not been listed here as the maximum process rates of the proposed furnace and the existing Krystar Dryer/Cooler (LA-51) are being treated as confidential until a determination has been made and all litigation has been resolved. The associated wet scrubbers shall be in operation at all times the facilities are in operation in order to comply with 326 IAC 6-3-2.

326 IAC 7-1.1 (Sulfur Dioxide Emission Limitations)

Furnace LA-28B has potential to emit SO_2 greater than 25 tons per year. However, natural gas will be the only fuel used at the proposed furnace LA-28B. Therefore, furnace LA-28B is not subject to the SO_2 emission limits in 326 IAC 7-1.1-2 (Sulfur Dioxide Emission Limitations).

326 IAC 8-1-6 (General Reduction Requirements for VOC Emissions)

The potential VOC emissions from furnace LA-28B are greater than 25 tons per year. There are no other rules in 326 IAC 8 applicable to this furnace. Therefore, furnace LA-28B is subject to 326 IAC 8-1-6 and the Permittee is required to control VOC emissions using the Best Available Control Technology (BACT). Based on the information in Appendix B, BACT for furnace LA-28B has been determined to be the following:

(a) The VOC emissions from the furnace LA-28B shall be controlled by an afterburner.

(b) The VOC emissions from the furnace LA-28B stack (Stack 33B) shall not exceed 1.0 lb/hr.

(c) The overall VOC control efficiency for the afterburner (including the capture efficiency and destruction efficiency) shall be at least 98%, or the VOC outlet concentration shall not exceed 10 ppmv.

Testing Requirements

In order to demonstrate compliance with the PSD minor and VOC BACT limits, the Permittee shall perform PM, PM10, VOC, and CO tests within 60 days after achieving the maximum capacity but not later than 180 days after initial startup of the carbon reactivation furnace LA-28B. These tests shall be repeated at least once every five (5) years from the date of the last valid compliance demonstration.

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.

The Compliance Determination Requirements applicable to this modification are as follows:

1. The proposed carbon reactivation furnace (LA-28B), which will be equipped with a wet scrubber and an afterburner, has applicable compliance monitoring conditions as specified below:

   (a) Visible emissions notations of the furnace stack exhaust from stack 33B shall be performed once per day during normal daylight operations. A trained employee will record whether emissions are normal or abnormal. For processes operated continuously "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time. In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions. A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process. If abnormal emissions are observed, the Permittee shall take reasonable response steps in accordance with Section C- Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.

   (b) The Permittee shall monitor the scrubber recirculation rate at least once per day of the scrubber controlling emissions from furnace LA-28B during normal operation. When for any one reading, the scrubber recirculation rate is less than the minimum established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. A flow rate that is below the above mentioned minimum is not a deviation from this permit. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.

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

   (c) In the event that a scrubber malfunction has been observed, failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced.

(d) A continuous monitoring system shall be calibrated, maintained, and operated on the afterburner associated with furnace LA-28B for measuring operating temperature. For the purpose of this condition, continuous means no less than once per minute. The output of this system shall be recorded as a 3-hour average. From the date of issuance of this permit until the approved stack test results are available, the Permittee shall operate the thermal oxidizers at or above the 3-hour average temperature of 1,400°F.

(e) The Permittee shall determine the 3-hour average temperature from the most recent valid stack test that demonstrates compliance with limits in this permit, as approved by IDEM.

(f) On and after the date the approved stack test results are available, the Permittee shall operate the afterburner associated with furnace LA-28B at or above the 3-hour average temperature as observed during the compliant stack test.

These monitoring conditions are necessary because the wet scrubber and the afterburner for the proposed carbon reactivation furnace (LA-28B) must operate properly to ensure compliance with 326 IAC 2-2 (PSD), 326 IAC 8-1-6 (BACT), and 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes).

2. The compliance monitoring requirements for the existing Krystar Dryer/Cooler (LA-51, stack 35) have been included in T157-6008-00033, issued on June 28, 2004.

Proposed Changes

The following changes have been made to the Part 70 Permit No.: T157-6008-00033, issued on June 28, 2004. New language is in **bold** and language shown in ~~strikeout~~ has been deleted.

1. All references to IDEM, OAQ's mailing address and contact numbers have been updated throughout the permit. The following mail codes were added throughout the permit as appropriate.

Indiana Department of Environmental Management
Office of Air Quality
100 North Senate Avenue, ~~P.O. Box 6015~~
Indianapolis, Indiana ~~46206-6015~~ **46204-2251**

Telephone No.: 317-233-~~5674~~**0178**
Facsimile No.: 317-233-~~5967~~**6865**

Permits Branch: **MC 61-53 IGCN 1003**
Compliance Branch: **MC 61-53 IGCN 1003**
Air Compliance Section: **MC 61-53 IGCN 1003**
Compliance Data Section: **MC 61-52 IGCN 1003**
Asbestos Section: **MC 61-52 IGCN 1003**
Technical Support and Modeling: **MC 61-50 IGCN 1003**

2. General information has been updated in Section A.1. IDEM, OAQ has decided to remove the information regarding the Responsible Official from Section A.1 of the permit. IDEM, OAQ will continue to gather and retain this information up-to-date in their permit tracking system.

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

The Permittee owns and operates a stationary corn wet milling plant.

~~Responsible Official: David R. Smith~~

. . .

3. IDEM has made the following changes to the general conditions in Section B:

(a) IDEM, OAQ has clarified Condition B.2 – Permit Term.

(b) IDEM, OAQ has included Term of Conditions pursuant to 326 IAC 2-1.1-9.5. The remaining conditions under Section B were renumbered accordingly.

(c) IDEM has determined that the Permittee is not required to keep records of all preventive maintenance. However, where the Permittee seeks to demonstrate that an emergency has occurred, the Permittee must provide upon request, records of preventive maintenance in order to establish that the lack of proper maintenance did not cause or contribute to the deviation. Therefore, IDEM has amended the Preventive Maintenance and Emergency Provisions conditions. Corresponding record keeping requirements in Section D.1 through D.7 were updated accordingly.

(d) For clarification purposes, Enforceability and Operational Flexibility conditions have been revised.

(e) Indiana has updated the Credible Evidence condition in the permit pursuant to the provisions in 326 IAC 1-1-6. The rule has been in effect since March 16, 2005.

(f) The Prior Permits Superseded condition was revised to include the citations for modifications to Part 70 Permits.

Therefore, the general conditions in Section B have been revised as follows:

~~**SECTION B GENERAL CONDITIONS**~~

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

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

~~B.2 Permit Term [326 IAC 2-7-5(2)] [326 IAC 2-1.1-9.5]~~

~~This permit 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.~~

~~B.3 Enforceability [326 IAC 2-7-7]~~

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

~~B.4 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.5 Severability [326 IAC 2-7-5(5)]~~

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

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

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

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

~~(a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ, may request in writing to determine whether cause exists for modifying,~~

~~revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The submittal by the Permittee does require the certification by the Aresponsible official@ as defined by 326 IAC 2-7-1(34). Upon request, the Permittee shall also furnish to IDEM, OAQ, copies of records required to be kept by this permit.~~

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

~~B.8 Certification [326 IAC 2-7-4(f)] [326 IAC 2-7-6(1)] [326 IAC 2-7-5(3)(C)]~~

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

~~(b) One (1) certification shall be included, using the attached Certification Form, with each submittal requiring certification.~~

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

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

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

~~Indiana Department of Environmental Management~~
~~Compliance Branch, Office of Air Quality~~
~~100 North Senate Avenue, P. O. Box 6015~~
~~Indianapolis, Indiana 46206-6015~~

~~and~~

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

~~(b) The annual compliance certification report required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.~~

~~(c) The annual compliance certification report shall include the following:~~

~~(1) The appropriate identification of each term or condition of this permit that is the basis of the certification;~~

~~(2) The compliance status;~~

~~(3) Whether compliance was continuous or intermittent;~~

~~(4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-7-5(3); and~~

~~(5) Such other facts, as specified in Sections D of this permit, as IDEM, OAQ, may require to determine the compliance status of the source.~~

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

~~B.10 Preventive Maintenance Plan [326 IAC 2-7-5(1),(3) and (13)] [326 IAC 2-7-6(1) and (6)] [326 IAC 1-6-3]~~

~~(a) If required by specific condition(s) in Section D of this permit, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) within ninety (90) days after issuance of this permit, including the following information on each facility:~~

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

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

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

~~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 Branch, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015~~

~~The PMP extension notification does not require the certification by the Aresponsible official@ as defined by 326 IAC 2-7-1(34).~~

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

~~(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 or potential to emit. The PMP does not require the certification by the Aresponsible official@ as defined by 326 IAC 2-7-1(34).~~

~~(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 the unit.~~

~~B.11 Emergency Provisions [326 IAC 2-7-16]~~

~~(a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation.~~

~~(b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:~~

~~(1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;~~

~~(2) The permitted facility was at the time being properly operated;~~

~~(3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;~~

~~(4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ, within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;~~

~~Telephone Number: 1-800-451-6027 (ask for Office of Air Quality, Compliance Section), or~~
~~Telephone Number: 317-233-5674 (ask for Compliance Section)~~
~~Facsimile Number: 317-233-5967~~

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

~~Indiana Department of Environmental Management~~
~~Compliance Branch, Office of Air Quality~~
~~100 North Senate Avenue, P. O. Box 6015~~
~~Indianapolis, Indiana 46206-6015~~

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

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

~~(A) A description of the emergency;~~

~~(B) Any steps taken to mitigate the emissions; and~~

~~(C) Corrective actions taken.~~

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

~~(6) The Permittee immediately took all reasonable steps to correct the emergency.~~

~~(c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.~~

~~(d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.~~

~~(e) IDEM, OAQ, may require that the Preventive Maintenance Plans required under 326 IAC 2-7-4 (c)(9) be revised in response to an emergency.~~

~~(f) Failure to notify IDEM, OAQ, by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-7 and any other applicable rules.~~

~~(g) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.~~

~~(h) The Permittee shall include all emergencies in the Quarterly Deviation and Compliance Monitoring Report.~~

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

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

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

~~(b) If, after issuance of this permit, it is determined that the permit is in nonconformance with an applicable requirement that applied to the source on the date of permit issuance, IDEM, OAQ, shall immediately take steps to reopen and revise this permit and issue a compliance order to the Permittee to ensure expeditious compliance with the applicable requirement until the permit is reissued. The permit shield shall continue in effect so long as the Permittee is in compliance with the compliance order.~~

~~(c) No permit shield shall apply to any permit term or condition that is determined after issuance of this permit to have been based on erroneous information supplied in the permit application. Erroneous information means information that the Permittee knew to be false, or in the exercise of reasonable care should have been known to be false, at the time the information was submitted.~~

~~(d) Nothing in 326 IAC 2-7-15 or in this permit shall alter or affect the following:~~

~~(1) The provisions of Section 303 of the Clean Air Act (emergency orders), including the authority of the U.S. EPA under Section 303 of the Clean Air Act;~~

~~(2) The liability of the Permittee for any violation of applicable requirements prior to or at the time of this permit's issuance;~~

~~(3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act; and~~

~~(4) The ability of U.S. EPA to obtain information from the Permittee under Section 114 of the Clean Air Act.~~

~~(e) This permit shield is not applicable to any change made under 326 IAC 2-7-20(b)(2) (Sections 502(b)(10) of the Clean Air Act changes) and 326 IAC 2-7-20(c)(2) (trading based on State Implementation Plan (SIP) provisions).~~

~~(f) This permit shield is not applicable to modifications eligible for group processing until after IDEM, OAQ, has issued the modifications. [326 IAC 2-7-12(c)(7)]~~

~~(g) This permit shield is not applicable to minor Part 70 permit modifications until after IDEM, OAQ, has issued the modification. [326 IAC 2-7-12(b)(8)]~~

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

~~(a) All terms and conditions of previous permits issued pursuant to permitting programs approved into the state implementation plan have been either~~

~~(1) incorporated as originally stated,~~

~~(2) revised, or~~

~~(3) deleted~~
~~by this permit.~~

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

~~B.14 Deviations from Permit Requirements and Conditions [326 IAC 2-7-5(3)(C)(ii)]~~

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

~~Indiana Department of Environmental Management~~
~~Compliance Data Section, Office of Air Quality~~
~~100 North Senate Avenue, P.O. Box 6015~~
~~Indianapolis, Indiana 46206-6015~~

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

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

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

~~B.15 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 permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-7-5(6)(C)] The notification by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).~~

~~(b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ, determines any of the following:~~

~~(1) That this permit contains a material mistake.~~

~~(2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.~~

~~(3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-7-9(a)(3)]~~

~~(c) Proceedings by IDEM, OAQ, to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-7-9(b)]~~

~~(d) The reopening and revision of this permit, under 326 IAC 2-7-9(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ, at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ, may provide a shorter time period in the case of an emergency. [326 IAC 2-7-9(c)]~~

~~B.16 Permit Renewal [326 IAC 2-7-4]~~

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

~~Request for renewal shall be submitted to:~~

~~Indiana Department of Environmental Management~~
~~Permits Branch, Office of Air Quality~~
~~100 North Senate Avenue, P.O. Box 6015~~
~~Indianapolis, Indiana 46206-6015~~

~~(b) Timely Submittal of Permit Renewal [326 IAC 2-7-4(a)(1)(D)]~~

~~(1) A timely renewal application is one that is:~~

~~(A) Submitted at least nine (9) months prior to the date of the expiration of this permit; and~~

~~(B) 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.~~

~~(2) If IDEM, OAQ, upon receiving a timely and complete 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.~~

~~(c) Right to Operate After Application for Renewal [326 IAC 2-7-3]~~
~~If the Permittee submits a timely and complete application for renewal of this permit, the source=s failure to have a permit is not a violation of 326 IAC 2-7 until IDEM, OAQ, takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified in writing by IDEM, OAQ, any additional information identified as being needed to process the application.~~

~~(d) United States Environmental Protection Agency Authority [326 IAC 2-7-8(e)]~~
~~If IDEM, OAQ, fails to act in a timely way on a Part 70 permit renewal, the U.S. EPA may invoke its authority under Section 505(e) of the Clean Air Act to terminate or revoke and reissue a Part 70 permit.~~

~~B.17 Permit Amendment or Modification [326 IAC 2-7-11] [326 IAC 2-7-12]~~

~~(a) Permit amendments and modifications are governed by the requirements of 326 IAC 2-7-~~

~~11 or 326 IAC 2-7-12 whenever the Permittee seeks to amend or modify this permit.~~

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

~~Indiana Department of Environmental Management~~
~~Permits Branch, Office of Air Quality~~
~~100 North Senate Avenue, P.O. Box 6015~~
~~Indianapolis, Indiana 46206-6015~~

~~Any such application shall be certified by the "responsible official" as defined by 326 IAC 2-7-1(34).~~

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

~~(d) No permit amendment or modification is required for the addition, operation or removal of a nonroad engine, as defined in 40 CFR 89.2.~~

~~B.18 Permit Revision Under Economic Incentives and Other Programs [326 IAC 2-7-5(8)] [326 IAC 2-7-12 (b)(2)]~~

~~(a) No Part 70 permit revision shall be required under any approved economic incentives, marketable Part 70 permits, emissions trading, and other similar programs or processes for changes that are provided for in a Part 70 permit.~~

~~(b) Notwithstanding 326 IAC 2-7-12(b)(1) and 326 IAC 2-7-12(c)(1), minor Part 70 permit modification procedures may be used for Part 70 modifications involving the use of economic incentives, marketable Part 70 permits, emissions trading, and other similar approaches to the extent that such minor Part 70 permit modification procedures are explicitly provided for in the applicable State Implementation Plan (SIP) or in applicable requirements promulgated or approved by the U.S. EPA.~~

~~B.19 Operational Flexibility [326 IAC 2-7-20] [326 IAC 2-7-10.5]~~

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

~~(1) The changes are not modifications under any provision of Title I of the Clean Air Act;~~

~~(2) Any preconstruction approval required by 326 IAC 2-7-10.5 has been obtained;~~

~~(3) The changes do not result in emissions which exceed the emissions allowable under this permit (whether expressed herein as a rate of emissions or in terms of total emissions);~~

~~(4) The Permittee notifies the:~~

~~Indiana Department of Environmental Management~~
~~Permits Branch, Office of Air Quality~~
~~100 North Senate Avenue, P. O. Box 6015~~
~~Indianapolis, Indiana 46206-6015~~

~~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 which document, on a rolling five (5) year basis, all such changes and emissions trading that are subject to 326 IAC 2-7-20(b), (c), or (e) and makes such records available, upon reasonable request, for public review.~~

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

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

~~(1) A brief description of the change within the source;~~

~~(2) The date on which the change will occur;~~

~~(3) Any change in emissions; and~~

~~(4) Any permit term or condition that is no longer applicable as a result of the change.~~

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

~~(c) Emission Trades [326 IAC 2-7-20(c)]~~
~~The Permittee may trade increases and decreases in emissions in 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.~~

~~B.20 Source Modification Requirement [326 IAC 2-7-10.5]~~

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

~~B.21 Inspection and Entry [326 IAC 2-7-6] [IC 13-14-2-2] [IC 13-17-3-2][IC 13-30-3-1]~~

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

~~(a) Enter upon the Permittee's premises where a Part 70 source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;~~

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

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

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

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

~~B.22 Transfer of Ownership or Operational Control [326 IAC 2-7-11]~~

~~(a) The Permittee must comply with the requirements of 326 IAC 2-7-11 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.~~

~~(b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:~~

~~Indiana Department of Environmental Management~~
~~Permits Branch, Office of Air Quality~~
~~100 North Senate Avenue, P.O. Box 6015~~
~~Indianapolis, Indiana 46206-6015~~

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

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

~~B.23 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(BLT)), to determine the appropriate permit fee.~~

~~B.24 Credible Evidence [326 IAC 2-7-5(3)][326 IAC 2-7-6][62 FR 8314]~~

~~Notwithstanding the conditions of this permit that state specific methods that may be used to demonstrate compliance with, or a violation of, applicable requirements, any person (including the Permittee) may also use other credible evidence to demonstrate compliance with, or a violation of, any term or condition of this permit.~~

SECTION B GENERAL CONDITIONS

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

Terms in this permit shall have the definition assigned to such terms in the referenced regulation. In the absence of definitions in the referenced regulation, the applicable

definitions found in the statutes or regulations (IC 13-11, 326 IAC 1-2 and 326 IAC 2-7) shall prevail.

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

(a) This permit, T157-6008-00033, is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.

(b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, including any permit shield provided in 326 IAC 2-7-15, until the renewal permit has been issued or denied.

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

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

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

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

B.4 Enforceability [326 IAC 2-7-7]

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

(b) Unless otherwise stated, all terms and conditions in this permit that are local requirements, including any provisions designed to limit the source's potential to emit, are enforceable.

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

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

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

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

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

(a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The submittal by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34). Upon request, the Permittee shall also furnish to IDEM, OAQ copies of records required to be kept by this permit.

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

B.8 Certification [326 IAC 2-7-4(f)][326 IAC 2-7-6(1)][326 IAC 2-7-5(3)(C)]

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

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

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

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

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

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

and

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

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

(c) The annual compliance certification report shall include the following:

(1) The appropriate identification of each term or condition of this permit that is the basis of the certification;

(2) The compliance status;

(3) Whether compliance was continuous or intermittent;

(4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-7-5(3); and

(5) Such other facts, as specified in Sections D of this permit, as IDEM, OAQ may require to determine the compliance status of the source.

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

B.10 Preventive Maintenance Plan [326 IAC 2-7-5(1),(3) and (13)][326 IAC 2-7-6(1) and (6)][326 IAC 1-6-3]

(a) If required by specific condition(s) in Section D of this permit, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) within ninety (90) days after issuance of this permit, including the following information on each facility:

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

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

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

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

(b) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions or potential to emit. The PMPs do not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

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

B.11 Emergency Provisions [326 IAC 2-7-16]

(a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation.

(b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:

(1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;

(2) The permitted facility was at the time being properly operated;

(3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;

(4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ, within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

IDEM, OAQ
Telephone No.: 1-800-451-6027 (ask for Office of Air Quality, Compliance Section) or,
Telephone No.: 317-233-0178 (ask for Compliance Section)
Facsimile No.: 317-233-6865

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

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

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

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

(A) A description of the emergency;

(B) Any steps taken to mitigate the emissions; and

(C) Corrective actions taken.

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

(6) The Permittee immediately took all reasonable steps to correct the emergency.

(c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.

(d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.

(e) The Permittee seeking to establish the occurrence of an emergency shall make records available upon request to ensure that failure to implement a PMP did not cause or contribute to an exceedance of any limitations on emissions. However, IDEM, OAQ may require that the Preventive Maintenance Plans required under 326 IAC 2-7-4(c)(9) be revised in response to an emergency.

(f) Failure to notify IDEM, OAQ by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-7 and any other applicable rules.

(g) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.

(h) The Permittee shall include all emergencies in the Quarterly Deviation and Compliance Monitoring Report.

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

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

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

(b) If, after issuance of this permit, it is determined that the permit is in nonconformance with an applicable requirement that applied to the source on the date of permit issuance, IDEM, OAQ, shall immediately take steps to reopen and revise this permit and issue a compliance order to the Permittee to ensure expeditious compliance with the applicable requirement until the permit is reissued. The permit shield shall continue in effect so long as the Permittee is in compliance with the compliance order.

(c) No permit shield shall apply to any permit term or condition that is determined after issuance of this permit to have been based on erroneous information supplied in the permit application. Erroneous information means information that the Permittee knew to be false, or in the exercise of reasonable care should have been known to be false, at the time the information was submitted.

(d) Nothing in 326 IAC 2-7-15 or in this permit shall alter or affect the following:

(1) The provisions of Section 303 of the Clean Air Act (emergency orders), including the authority of the U.S. EPA under Section 303 of the Clean Air Act;

(2) The liability of the Permittee for any violation of applicable requirements prior to or at the time of this permit's issuance;

(3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act; and

(4) The ability of U.S. EPA to obtain information from the Permittee under Section 114 of the Clean Air Act.

(e) This permit shield is not applicable to any change made under 326 IAC 2-7-20(b)(2) (Sections 502(b)(10) of the Clean Air Act changes) and 326 IAC 2-7-20(c)(2) (trading based on State Implementation Plan (SIP) provisions).

(f) This permit shield is not applicable to modifications eligible for group processing until after IDEM, OAQ, has issued the modifications. [326 IAC 2-7-12(c)(7)]

(g) This permit shield is not applicable to minor Part 70 permit modifications until after IDEM, OAQ, has issued the modification. [326 IAC 2-7-12(b)(8)]

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

(a) All terms and conditions of permits established prior to T157-6008-00033 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.14 Termination of Right to Operate [326 IAC 2-7-10][326 IAC 2-7-4(a)]

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

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

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

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

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

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

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

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

(a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Part 70 Operating Permit modification, revocation and reissuance, or termination, or of a notification of

planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-7-5(6)(C)] The notification by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ, determines any of the following:

(1) That this permit contains a material mistake.

(2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.

(3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-7-9(a)(3)]

(c) Proceedings by IDEM, OAQ, to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-7-9(b)]

(d) The reopening and revision of this permit, under 326 IAC 2-7-9(c), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ, at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ, may provide a shorter time period in the case of an emergency. [326 IAC 2-7-9(c)]

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

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

Request for renewal shall be submitted to:

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

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

(1) Submitted at least nine (9) months prior to the date of the expiration of this permit; and

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

(c) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-7 until IDEM, OAQ takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified in writing by IDEM, OAQ, any additional information identified as being needed to process the application.

B.18 Permit Amendment or Modification [326 IAC 2-7-11][326 IAC 2-7-12]

(a) Permit amendments and modification are governed by the requirements of 326 IAC 2-7-11 or 326 IAC 2-7-12 whenever the Permittee seeks to amend or modify this permit.

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

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

Any such application shall be certified by the "responsible official" as defined by 326 IAC 2-7-1(34).

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

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

(a) No Part 70 permit revision shall be required under any approved economic incentives, marketable Part 70 permits, emissions trading, and other similar programs or processes for changes that are provided for in a Part 70 permit.

(b) Notwithstanding 326 IAC 2-7-12(b)(1) and 326 IAC 2-7-12(c)(1), minor Part 70 permit modification procedures may be used for Part 70 modifications involving the use of economic incentives, marketable Part 70 permits, emissions trading, and other similar approaches to the extent that such minor Part 70 permit modification procedures are explicitly provided for in the applicable State Implementation Plan (SIP) or in applicable requirements promulgated or approved by the U.S. EPA.

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

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

(1) The changes are not modifications under any provision of Title I of the Clean Air Act;

(2) Any preconstruction approval required by 326 IAC 2-7-10.5 has been obtained;

(2) Any approval required by 326 IAC 2-8-11.1 has been obtained;

(3) The changes do not result in emissions which exceed the limitations provided in this permit (whether expressed herein as a rate of emissions or in terms of total emissions);

(4) The Permittee notifies the:

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

MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

and

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

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

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

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

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

(1) A brief description of the change within the source;

(2) The date on which the change will occur;

(3) Any change in emissions; and

(4) Any permit term or condition that is no longer applicable as a result of the change.

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

(c) Emission Trades [326 IAC 2-7-20(c)]
The Permittee may trade emissions increases and decreases at the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-7-20(c).

(d) Alternative Operating Scenarios Part 70 Operating Permit
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-7-5(9). No prior notification of IDEM, OAQ, or U.S. EPA is required.

(e) Backup fuel switches specifically addressed in, and limited under, Section D of this permit shall not be considered alternative operating scenarios. Therefore, the notification requirements of part (a) of this condition do not apply.

B.21 Source Modification Requirement [326 IAC 2-7-10.5] [326 IAC 2-2-2] [326 IAC 2-3-2]

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

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

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

(a) Enter upon the Permittee's premises where a Part 70 source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;

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

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

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

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

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

(a) The Permittee must comply with the requirements of 326 IAC 2-7-11 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.

(b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

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

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

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

B.24 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-7-5(7)][326 IAC 2-1.1-7]

(a) The Permittee shall pay annual fees to IDEM, OAQ, within thirty (30) calendar days of receipt of a billing. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ, the applicable fee is due April 1 of each year.

(b) Except as provided in 326 IAC 2-7-19(e), failure to pay may result in administrative enforcement action or revocation of this permit.

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

B.25 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.

4. IDEM has made the following changes to the general conditions in Section C:

(a) The 326 IAC 6-3 revisions that became effective on June 12, 2002 were approved into the State Implementation Plan (SIP) on September 23, 2005. These rules replace the previous version of 326 IAC 6-3 (Process Operations) that had been part of the SIP; therefore, the requirements of the previous version of 326 IAC 6-3-2 are no longer applicable to this source. Therefore, Condition C.1(a) has been deleted.

(b) Rule 326 IAC 9-1-2 is now federally enforceable. Therefore, the last sentence in Condition C.4 has been removed.

(c) In order to avoid duplication of requirements which may be included in D sections, Condition C.6 - Operation of Equipment has been removed from the permit.

(d) IDEM has determined that no additional monitoring will be required during COM downtime until the COM has been down for twenty-four (24) hours. This allows the Permittee to focus on the task of repairing the COM during the first twenty-four (24) hour period. After twenty-four (24) hours of COM downtime, the Permittee will be required to conduct Method 9 readings for thirty (30) minutes. Once Method 9 readings are required to be performed, the readings will be performed twice per day at least four (4) or six (6) hours apart, rather than once every four (4) hours, until the COM is back in service. Therefore, Condition C.12 (now C.11) - Maintenance of Continuous Opacity Monitoring Equipment has been revised accordingly.

(e) IDEM, OAQ realizes that the specifications under Pressure Gauge and Other Instrument Specifications can only be practically applied to analog units, and has therefore clarified the condition to state that the condition only applies to analog units. Upon further review, IDEM, OAQ has also determined that the accuracy of the instruments is not nearly as important as whether the instrument has a range that is appropriate for the normal expected reading of the parameter. Therefore, the accuracy requirements have been removed from the Condition C.14 (now C.13) - Pressure Gauge and Other Instrument Specifications.

(f) IDEM has reconsidered the requirement to develop and follow a Compliance Response Plan. The Permittee will still be required to take reasonable response steps when a compliance monitoring parameter is determined to be out of range or abnormal. Replacing the requirement to develop and follow a Compliance Response Plan with a requirement to take reasonable response steps will ensure that the control equipment is returned to proper operation as soon as practicable, while still allowing the Permittee the flexibility to respond to situations that were not anticipated. Therefore, the condition for “Compliance Response Plan” has been replaced by the condition for “Response to Excursions or Exceedances”. The Section D conditions that refer to this condition have been revised to reflect the new condition title.

(g) The language in General Record Keeping Requirements and General Reporting Requirements have been updated.

(h) C.23 - Part 2 MACT Application Submittal Requirement was deleted because the MACT standard for the affected source category included at the source has been promulgated as NESHAP Subpart DDDDD (40 CFR 63.7480).

Therefore, the conditions in Section C have been revised as follows to reflect the above changes:

~~**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 [40 CFR 52 Subpart P][326 IAC 6-3-2]~~

~~(a) Pursuant to 40 CFR Part 52, Subpart P, particulate matter emissions from any process not already regulated by 326 IAC 6-1 or any New Source Performance Standard, and which has a maximum process weight rate less than 100 pounds per hour shall not exceed 0.551 pounds per hour.~~

~~(b) 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. This condition is not federally enforceable.~~

~~C.2 Opacity [326 IAC 5-1]~~

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

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

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

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

~~The Permittee shall not open burn any material except as provided in 326 IAC 4-1-3, 326 IAC 4-1-4 or 326 IAC 4-1-6. The previous sentence notwithstanding, the Permittee may open burn in accordance with an open burning approval issued by the Commissioner under 326 IAC 4-1-4.1. 326 IAC 4-1-3 (a)(2)(A) and (B) are not federally enforceable.~~

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

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

~~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 Operation of Equipment [326 IAC 2-7-6(6)]~~

~~Except as otherwise provided by statute or rule, or in this permit, all air pollution control equipment listed in this permit and used to comply with an applicable requirement shall be operated at all times that the emission units vented to the control equipment are in operation.~~

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

~~The Permittee shall comply with the applicable provisions of 326 IAC 1-7 (Stack Height Provisions), for all exhaust stacks through which a potential (before controls) of twenty-five (25) tons per year or more of particulate matter or sulfur dioxide is emitted. The provisions of 326 IAC 1-7-1(3), 1-7-2, 1-7-3(c) and (d), 1-7-4, and 1-7-5(a), (b), and (d) are not federally enforceable.~~

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

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

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

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

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

~~(A) Asbestos removal or demolition start date;~~

~~(B) Removal or demolition contractor; or~~

~~(C) Waste disposal site.~~

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

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

~~All required notifications shall be submitted to:~~

~~Indiana Department of Environmental Management~~
~~Asbestos Section, Office of Air Quality~~
~~North Senate Avenue, P.O. Box 6015~~
~~Indianapolis, Indiana 46206-6015~~

~~The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project. The notifications do not require a certification by the "responsible official" as defined by 326 IAC 2-7-1(34).~~

~~(e) Procedures for Asbestos Emission Control~~
~~The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-4-1, emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet~~

~~on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.~~

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

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

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

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

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

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

~~Indiana Department of Environmental Management~~
~~Compliance Data Section, Office of Air Quality~~
~~North Senate Avenue, P.O. Box 6015~~
~~Indianapolis, Indiana 46206-6015~~

~~no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require certification by the "responsible official" as defined by 326 IAC 2-7-1(34).~~

~~(b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require certification by the "responsible official" as defined by 326 IAC 2-7-1(34).~~

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

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

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

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

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

~~C.11 Compliance Monitoring [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]~~

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

~~may extend the compliance schedule related to the equipment for an additional ninety (90) days provided the Permittee notifies:~~

~~Indiana Department of Environmental Management~~
~~Compliance Branch, Office of Air Quality~~
~~North Senate Avenue, P.O. Box 6015~~
~~Indianapolis, Indiana 46206-6015~~

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

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

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

~~C.12 Maintenance of Continuous Opacity Monitoring Equipment [326 IAC 2-7-5(3)(A)(iii)]~~

~~(a) The Permittee shall install, calibrate, maintain, and operate all necessary continuous opacity monitoring systems (COMS) and related equipment.~~

~~(b) In the event that a breakdown of a continuous opacity monitoring system occurs, a record shall be made of the times and reasons of the breakdown and efforts made to correct the problem.~~

~~(c) Whenever a continuous opacity monitor (COM) is malfunctioning or will be down for calibration, maintenance, or repairs for a period of four (4) hours or more, a calibrated backup COM shall be brought online within four (4) hours of shutdown of the primary COM, if possible. If this is not possible, visible emission readings shall be performed in accordance with 40 CFR 60, Appendix A, Method 9, for a minimum of one (1) hour beginning four (4) hours after the start of the malfunction or down time.~~

~~(1) If the reading period begins less than one hour before sunset, readings shall be performed until sunset. If the first required reading period would occur between sunset and sunrise, the first reading shall be performed as soon as there is sufficient daylight.~~

~~(2) Method 9 opacity readings shall be repeated for a minimum of one (1) hour at least once every four (4) hours during daylight operations, until such time that the continuous opacity monitor is back in operation.~~

~~(3) All of the opacity readings during this period shall be reported in the Quarterly Deviation and Compliance Monitoring Reports.~~

~~(d) Nothing in this permit shall excuse the Permittee from complying with the requirements to operate a continuous opacity monitoring system pursuant to 326 IAC 3-5., and 326 IAC 2-2.~~

~~C.13 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]~~

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

~~C.14 Pressure Gauge and Other Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]~~

~~(a) Whenever a condition in this permit requires the measurement of pressure drop across any part of the unit or its control device, the gauge employed shall have a scale such that~~

~~the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent (2%) of full scale reading.~~

~~(b) Whenever a condition in this permit requires the measurement of a flow rate, the instrument employed shall have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent (2%) of full scale reading, unless State or Federal regulations provide for a different level of accuracy.~~

~~(c) The Preventive Maintenance Plan for the pH meter shall include calibration using known standards. The frequency of calibration shall be adjusted such that the typical error found at calibration is less than one pH point.~~

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

~~Corrective Actions and Response Steps [326 IAC 2-7-5] [326 IAC 2-7-6]~~

~~C.15 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]~~

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

~~(a) The Permittee prepared and submitted written emergency reduction plans (ERPs) consistent with safe operating procedures on November 14, 2000.~~

~~(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.16 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.17 Compliance Response Plan - Preparation, Implementation, Records, and Reports~~ [326 IAC 2-7-5] [326 IAC 2-7-6] [326 IAC 2-7-5] [326 IAC 2-7-6]

~~(a) The Permittee is required to prepare a Compliance Response Plan (CRP) for each compliance monitoring condition of this permit. If a Permittee is required to have an Operation, Maintenance and Monitoring (OMM) Plan under 40 CFR 60/63 , such plans shall be deemed to satisfy the requirements for a CRP for those compliance monitoring conditions. A CRP shall be submitted to IDEM, OAQ upon request. The CRP shall be prepared within ninety (90) days after issuance of this permit by the Permittee, supplemented from time to time by the Permittee, maintained on site, and comprised of:~~

~~(1) Reasonable response steps that may be implemented in the event that a response step is needed pursuant to the requirements of Section D of this permit; and an expected timeframe for taking reasonable response steps.~~

~~(2) If, at any time, the Permittee takes reasonable response steps that are not set forth in the Permittee's current Compliance Response Plan or Operation, Maintenance and Monitoring (OMM) Plan and the Permittee documents such response in accordance with subsection (e) below, the Permittee shall amend its Compliance Response Plan or Operation, Maintenance and Monitoring (OMM) Plan to include such response steps taken.~~

~~The OMM Plan shall be submitted within the time frames specified by the applicable 40 CFR60/63 requirement.~~

~~(b) For each compliance monitoring condition of this permit, reasonable response steps shall be taken when indicated by the provisions of that compliance monitoring condition as follows:~~

~~(1) Reasonable response steps shall be taken as set forth in the Permittee's current Compliance Response Plan or Operation, Maintenance and Monitoring (OMM) Plan; or~~

~~(2) If none of the reasonable response steps listed in the Compliance Response Plan or Operation, Maintenance and Monitoring (OMM) Plan; is applicable or responsive to the excursion, the Permittee shall devise and implement additional response steps as expeditiously as practical. Taking such additional response steps shall not be considered a deviation from this permit so long as the Permittee documents such response steps in accordance with this condition.~~

~~(3) If the Permittee determines that additional response steps would necessitate that the emissions unit or control device be shut down, and it will be ten (10) days or more until the unit or device will be shut down, then the Permittee shall promptly notify the IDEM, OAQ of the expected date of the shut down. The notification shall also include the status of the applicable compliance monitoring parameter with respect to normal, and the results of the response actions taken up to the time of notification.~~

~~(4) Failure to take reasonable response steps shall be considered a deviation from the permit.~~

~~(c) The Permittee is not required to take any further response steps for any of the following reasons:~~

~~(1) A false reading occurs due to the malfunction of the monitoring equipment and prompt action was taken to correct the monitoring equipment.~~

~~(2) The Permittee has determined that the compliance monitoring parameters established in the permit conditions are technically inappropriate, has previously submitted a request for a minor permit modification to the permit, and such request has not been denied.~~

~~(3) An automatic measurement was taken when the process was not operating.~~

~~(4) The process has already returned or is returning to operating within "normal" parameters and no response steps are required.~~

~~(d) When implementing reasonable steps in response to a compliance monitoring condition, if the Permittee determines that an exceedance of an emission limitation has occurred, the Permittee shall report such deviations pursuant to Section B-Deviations from Permit Requirements and Conditions.~~

~~(e) The Permittee shall record all instances when, in accordance with Section D, response steps are taken. In the event of an emergency, the provisions of 326 IAC 2-7-16 (Emergency Provisions) requiring prompt corrective action to mitigate emissions shall prevail.~~

~~(f) Except as otherwise provided by a rule or provided specifically in Section D, all monitoring as required in Section D shall be performed when the emission unit is operating, except for time necessary to perform quality assurance and maintenance activities.~~

~~C.18 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5] [326 IAC 2-7-6]~~

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

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

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

~~The response action documents submitted pursuant to this condition do require the certification by the Aresponsible official@ as defined by 326 IAC 2-7-1(34).~~

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

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

~~(1) Indicate estimated actual emissions of all pollutants listed in 326 IAC 2-6-4(a);~~

~~(2) Indicate estimated actual emissions of regulated pollutants as defined by 326 IAC 2-7-1(32) (ARegulated pollutant which is used only for purposes of Section 19 of this rule@) from the source, for purposes of fee assessment.~~

~~(b) The statement must be submitted to:~~

~~Indiana Department of Environmental Management
Technical Support and Modeling Section, Office of Air Quality
North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015~~

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

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

~~C.20 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6]~~

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

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

~~C.21 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11]~~

~~(a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported. This report shall be submitted within thirty (30) days of the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include the certification by the Aresponsible official@ as defined by 326 IAC 2-7-1(34).~~

~~(b) The report required in (a) of this condition and reports required by conditions in Section D of this permit shall be submitted to:~~

~~Indiana Department of Environmental Management~~
~~Compliance Data Section, Office of Air Quality~~
~~100 North Senate Avenue, P. O. Box 6015~~
~~Indianapolis, Indiana 46206-6015~~

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

~~(d) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by the Aresponsible official@ as defined by 326 IAC 2-7-1(34).~~

~~(e) The first report shall cover the period commencing on the date of issuance of this permit and ending on the last day of the reporting period. Reporting periods are based on calendar years.~~

~~Stratospheric Ozone Protection~~

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

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

~~(a) Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156.~~

~~(b) Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158.~~

~~(c) Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.~~

~~Part 2 MACT Application Submittal Requirement~~

~~C.23 Application Requirements for Section 112(j) of the Clean Air Act [40 CFR 63.52(e)] [40 CFR 63.56(a)] [40 CFR 63.9(b)] [326 IAC 2-7-12]~~

~~(a) The Permittee shall submit a Part 2 Maximum Achievable Control Technology (MACT) Application in accordance with 40 CFR 63.52(e)(1). The Part 2 MACT Application shall meet the requirements of 40 CFR 63.53(b).~~

~~(b) Notwithstanding paragraph (a), the Permittee is not required to submit a Part 2 MACT Application if the Permittee no longer meets the applicability criteria of 40 CFR 63.50 by the application deadline in 40 CFR 63.52(e)(1). For example, the Permittee would not have to submit a Part 2 MACT Application if, by the application deadline:~~

~~(1) The source is no longer a major source of hazardous air pollutants, as defined in 40 CFR 63.2;~~

~~(2) The source no longer includes one or more units in an affected source category for which the U.S. EPA failed to promulgate an emission standard by May 15, 2002; or~~

~~(3) The MACT standard or standards for the affected source categories included at the source are promulgated.~~

~~(c) Notwithstanding paragraph (a), pursuant to 40 CFR 63.56(a), the Permittee shall comply with an applicable promulgated MACT standard in accordance with the schedule provided in the MACT standard if the MACT standard is promulgated prior to the Part 2 MACT Application deadline or prior to the issuance of permit with a case-by-case Section 112(j) MACT determination. The MACT requirements include the applicable General Provisions requirements of 40 CFR 63, Subpart A. Pursuant to 40 CFR 63.9(b), the Permittee shall submit an initial notification not later than 120 days after the effective date of the MACT, unless the MACT specifies otherwise. The initial notification shall be submitted to:~~

~~Indiana Department of Environmental Management~~
~~Compliance Data Section, Office of Air Quality~~
~~100 North Senate Avenue, P.O. Box 6015~~
~~Indianapolis, Indiana 46206-6015~~

~~and~~

~~United States Environmental Protection Agency, Region V~~
~~Director, Air and Radiation Division~~
~~77 West Jackson Boulevard~~
~~Chicago, Illinois 60604-3590~~

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

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

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

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

C.2 Opacity [326 IAC 5-1]

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

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

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

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

The Permittee shall not open burn any material except as provided in 326 IAC 4-1-3, 326 IAC 4-1-4 or 326 IAC 4-1-6. The previous sentence notwithstanding, the Permittee may open burn in accordance with an open burning approval issued by the Commissioner under 326 IAC 4-1-4.1. 326 IAC 4-1-3 (a)(2)(A) and (B) are not federally enforceable.

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

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

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

The Permittee shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4 (Fugitive Dust Emissions). 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), 1-7-2, 1-7-3(c) and (d), 1-7-4, and 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 326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.

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

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

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

(A) Asbestos removal or demolition start date;

(B) Removal or demolition contractor; or

(C) Waste disposal site.

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

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

All required notifications shall be submitted to:

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

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project. The notifications do not require a certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

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

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

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

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

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

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

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

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

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may

be granted by IDEM, OAQ, if the Permittee submits to IDEM, OAQ, a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

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)]

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

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

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

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

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

C.11 Maintenance of Continuous Opacity Monitoring Equipment [326 IAC 2-7-5(3)(A)(iii)]

(a) The Permittee shall install, calibrate, maintain, and operate all necessary continuous opacity monitoring systems (COMS) and related equipment. For a boiler, the COMS shall be in operation at all times that the induced draft fan is in operation.

(b) All COMS shall meet the performance specifications of 40 CFR 60, Appendix B, Performance Specification No. 1, and are subject to monitor system certification requirements pursuant to 326 IAC 3-5.

(c) In the event that a breakdown of a continuous opacity monitoring system occurs, a record shall be made of the times and reasons of the breakdown and efforts made to correct the problem.

(d) Whenever a COMS is malfunctioning or is down for maintenance or repairs for a period of twenty-four (24) hours or more and a backup COMS is not online within twenty-four (24) hours of shutdown or malfunction of the primary COMS, the Permittee shall provide a certified opacity reader, who may be an employee of the Permittee or an independent contractor, to self-monitor the emissions from the emission unit stack.

(1) Visible emission readings shall be performed in accordance with 40 CFR 60, Appendix A, Method 9, for a minimum of five (5) consecutive six (6) minute averaging periods beginning not more than twenty-four (24) hours after the start of the malfunction or down time.

(2) Method 9 opacity readings shall be repeated for a minimum of five (5) consecutive six (6) minute averaging periods at least twice per day during daylight operations, with at east four (4) hours between each set of readings, until a COMS is online.

(3) Method 9 readings may be discontinued once a COMS is online.

(4) Any opacity exceedances determined by Method 9 readings shall be reported with the Quarterly Opacity Exceedances Reports.

(e) Nothing in this permit shall excuse the Permittee from complying with the requirements to operate a continuous opacity monitoring system pursuant to 326 IAC 3-5.

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

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

C.13 Instrument Specifications [326 IAC 2-1.1-11] [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 have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale.

(b) The Preventive Maintenance Plan for the pH meter shall include calibration using known standards. The frequency of calibration shall be adjusted such that the typical error found at calibration is less than one pH point.

(c) The Permittee may request the IDEM, OAQ approve the use of an instrument that does not meet the above specifications provided the Permittee can demonstrate 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.14 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]

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

(a) The Permittee prepared and submitted written emergency reduction plans (ERPs) consistent with safe operating procedures on November 14, 2000.

(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.15 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.16 Response to Excursions or Exceedances [326 IAC 2-7-5] [326 IAC 2-7-6] [326 IAC 2-7-5] [326 IAC 2-7-6]

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

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

(1) initial inspection and evaluation;

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

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

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

(1) monitoring results;

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

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

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

(e) The Permittee shall maintain the following records:

(1) monitoring data;

(2) monitor performance data, if applicable; and

(3) corrective actions taken.

C.17 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5] [326 IAC 2-7-6]

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

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

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

The response action documents submitted pursuant to this condition do require the certification by the Aresponsible official@ as defined by 326 IAC 2-7-1(34).

C.18 Emission Statement [326 IAC 2-7-5(3)(C)(iii)] [326 IAC 2-7-5(7)] [326 IAC 2-7-19(c)] [326 IAC 2-6]

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

(1) Indicate estimated actual emissions of all pollutants listed in 326 IAC 2-6-4(a);

(2) Indicate estimated actual emissions of regulated pollutants as defined by 326 IAC 2-7-1(32) (ARegulated pollutant which is used only for purposes of Section 19 of this rule@) from the source, for purposes of fee assessment.

(b) The statement must be submitted to:

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

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

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

C.19 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6] [326 IAC 2-2] [326 IAC 2-3]

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

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

(c) If there is a "project" (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(ll)) at an existing emissions unit, other than projects at a source with a Plantwide Applicability Limitation (PAL), which is not part of a "major modification" (as defined in 326 IAC 2-2-1(ee) and/or 326 IAC 2-3-1(z)) and the Permittee elects to utilize the "projected actual emissions" (as defined in 326 IAC 2-2-1(rr) and/or 326 IAC 2-3-1(mm)), the Permittee shall comply with following:

(1) Before beginning actual construction of the "project" (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(ll) at an existing emissions unit, document and maintain the following records:

(A) A description of the project.

(B) Identification of any emissions unit whose emissions of a regulated new source review pollutant could be affected by the project.

(C) A description of the applicability test used to determine that the project is not a major modification for any regulated NSR pollutant, including:

(i) Baseline actual emissions;

(ii) Projected actual emissions;

(iii) Amount of emissions excluded under section 326 IAC 2-2-1(rr)(2)(A)(iii) and/or 326 IAC 2-3-1(mm)(2)(A)(iii); and

(iv) An explanation for why the amount was excluded, and any netting calculations, if applicable.

(2) Monitor the emissions of any regulated NSR pollutant that could increase as a result of the project and that is emitted by any existing emissions unit identified in (1)(B) above; and

(3) Calculate and maintain a record of the annual emissions, in tons per year on a calendar year basis, for a period of five (5) years following resumption of regular operations after the change, or for a period of ten (10) years following resumption of regular operations after the change if the project increases the design capacity of or the potential to emit that regulated NSR pollutant at the emissions unit.

C.20 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11] [326 IAC 2-2] [326 IAC 2-3]

(a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported. This report shall be submitted within thirty (30) days of the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include the certification by the Aresponsible official@ as defined by 326 IAC 2-7-1(34).

(b) The report required in (a) of this condition and reports required by conditions in Section D of this permit shall be submitted to:

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

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

other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.

(d) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by the Aresponsible official@ as defined by 326 IAC 2-7-1(34).

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

(f) If the Permittee is required to comply with the recordkeeping provisions of (c) in Section C- General Record Keeping Requirements for any "project" (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(ll) at an existing emissions unit, and the project meets the following criteria, then the Permittee shall submit a report to IDEM, OAQ:

(1) The annual emissions, in tons per year, from the project identified in (c)(1) in Section C- General Record Keeping Requirements exceed the baseline actual emissions, as documented and maintained under Section C- General Record Keeping Requirements (c)(1)(C)(i), by a significant amount, as defined in 326 IAC 2-2-1(xx) and/or 326 IAC 2-3-1(qq), for that regulated NSR pollutant, and

(2) The emissions differ from the preconstruction projection as documented and maintained under Section C- General Record Keeping Requirements (c)(1)(C)(ii).

(g) The report for a project at an existing emissions unit shall be submitted within sixty (60) days after the end of the year and contain the following:

(1) The name, address, and telephone number of the major stationary source.

(2) The annual emissions calculated in accordance with (c)(2) and (3) in Section C- General Record Keeping Requirements.

(3) The emissions calculated under the actual-to-projected actual test stated in 326 IAC 2-2-2(d)(3) and/or 326 IAC 2-3-2(c)(3).

(4) Any other information that the Permittee deems fit to include in this report,

Reports required in this part shall be submitted to:

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

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

Stratospheric Ozone Protection

C.21 Compliance with 40 CFR 82 and 326 IAC 22-1

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

(a) Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156.

(b) Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158.

(c) Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

5. IDEM has determined to make the following changes to the conditions in Section D:

(a) IDEM has determined that it is the Permittee's responsibility to include routine control device inspection requirements in the applicable preventive maintenance plan. Since the Permittee is in the best position to determine the appropriate frequency of control device inspections and the details regarding which components of the control device should be inspected, the conditions requiring control device inspections have been removed from the permit. In addition, the requirement to keep records of the inspections has been removed.

(b) Paragraph (a) of the Broken or Failed Bag Detection conditions was deleted. For multi-compartment baghouses, the permit will not specify what actions the Permittee needs to take in response to a broken bag. Paragraph (b) of the condition has been revised for those processes that operate in batch mode. The condition required an emission unit to be shut down immediately in case of baghouse failure. However, IDEM is aware there can be safety issues with shutting down a process in the middle of a batch. IDEM also realizes that in some situations, shutting down an emissions unit mid-process can cause equipment damage. Therefore, since it is not always possible to shut down a process with material remaining in the equipment, IDEM has revised the condition to state that in the case of baghouse failure, the feed to the process must be shut off immediately, and the process shall be shut down as soon as practicable.

(c) IDEM has determined that once per day monitoring of visible emissions, scrubber liquid flow rate, and scrubber liquid pH is generally sufficient to ensure proper operation of the control devices. IDEM has also determined that monitoring these parameters once per day is sufficient to satisfy the requirements of the Part 70 rules at 326 IAC 2-7-5 and 326 IAC 2-7-6.

(d) IDEM realizes that in some situations, shutting down an emission unit mid-process can cause equipment damage. Therefore, since it is not always possible to shut down a process with material remaining in the equipment, IDEM has revised Condition D.2.5 (formerly D.2.6) to state that in the case of scrubber failure, the feed to the process be shut down immediately, and the process shall be shut down as soon as practicable.

(e) Condition D.2.4 was revised to remove references to pressure drop readings across the scrubber used for control on emission unit ID LA-70 because the permit does not contain any requirement for monitoring of this parameter for emission ID LA-70. Similarly, Condition D.5.10(d) was revised because there is no permit requirement to monitor pressure drop for scrubbers controlling emission units ID LA-61, LA-28, LA-29, or LA-51.

(f) Facility Description item (c)(6) under Section D.3 was revised to remove references to No. 2 fuel oil because the Gluten Dryer, LA-15, cannot and does not burn No. 2 fuel oil. Therefore, Condition D.3.2(b)(4) (PSD condition to limit the amount of No. 2 fuel oil consumed by the Gluten Dryer, LA-15) and Condition D.3.21(e) (Reporting Requirement) was deleted, while Conditions D.3.5(a) and D.3.10 were revised to delete references to emission unit ID LA-15. The quarterly reports were updated accordingly.

(g) Condition D.3.1 (Continuous Opacity Monitoring) was revised to update references to correct Conditions D.3.2 (PSD) and D.3.4 (PM for Sources of Indirect Heating).

(h) PM/PM10 emission limit for LA-82 given in the table under Condition D.4.1(d)(1) was corrected from 8.26 lbs/hour to 0.26 lbs/hour, because 0.26 lbs/hour is the correct limit as established in SSM 157-16882-00033, issued December 5, 2003.

(i) The referral to 40 CFR 52.21 is no longer necessary since the requirements in 326 IAC 2-2 have been incorporated into SIP.

(j) The changes as the results of this modification.

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

This stationary source consists of the following emission units and pollution control devices: (Note that the maximum process capacities of these units have been included in an OAQ file that is being treated as confidential until a determination has been made):

. . .

(c) Feed House and Boiler House Area, consisting of:

. . .

(6) One (1) natural gas/~~No. 2 fuel oil~~ fired Gluten Dryer, identified as Unit ID LA-15, constructed in 1995, with a maximum heat input of 52 MMBtu/hr, with a scrubber (ID LA-68), an integral product collector/cyclone and Low NOx Burner for control, exhausting to stack 4.

. . .

(9) One (1) Germ RST Finish Dryer No.3, identified as Unit ID LA-53, constructed in 1991, with a cyclone (not integral) for control, exhausting to stack 7.

. . .

(e) Refinery Area, consisting of:

. . .

(15) One (1) natural gas-fired Carbon Reactivation Furnace, identified as Unit ID LA-28B, approved for construction in 2007, with a maximum heat input of 15 MMBtu/hr, with a wet scrubber and an afterburner for control, exhausting to stack 33B.

. . .

D.1.1 Prevention of Significant Deterioration (PSD) [326 IAC 2-2] ~~[40 CFR 52.21]~~

D.1.5 Visible Emissions Notations

. . .

(e) ~~The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for~~ ~~when an~~ **If** abnormal emission**s** ~~is~~ **are** observed**, the Permittee**

shall take reasonable response steps in accordance with Section C – Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - ~~Compliance Response Plan - Preparation, Implementation, Records, and Reports~~ **Response to Excursions or Exceedances**, shall be considered a deviation from this permit.

D.1.6 Parametric Monitoring

The Permittee shall record the ~~total static~~ pressure drop across the baghouses used in conjunction with facilities LA-1 and LA-2, at least once per day when LA-1 and LA-2 are in operation. When for any one reading or observance, the pressure drop across the baghouse is outside the normal range of 3.0 and 6.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C - ~~Compliance Response Plan - Preparation, Implementation, Records, and Reports~~ **Response to Excursions or Exceedances**. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - ~~Compliance Response Plan - Preparation, Implementation, Records, and Reports~~ **Response to Excursions or Exceedances**, shall be considered a deviation from this permit.

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

~~D.1.7 Baghouse Inspections~~

~~(a) An internal inspection of all bags, controlling particulate emissions from facilities LA-1 and LA-2, shall be performed at least once per calendar year. Inspections required by this condition shall not be performed in consecutive months. All defective bags shall be replaced.~~

~~(b) Inspections shall also be performed whenever the respective baghouse is out of service for more than 24 consecutive hours. However, an inspection is not required if one has been conducted within the previous two months. All defective bags shall be replaced.~~

~~D.1.8~~ **D.1.7** Broken or Failed Bag Detection

~~In the event that bag failure has been observed:~~

~~(a) For multi-compartment units, the affected baghouse compartments will be shut down immediately until the failed units have been repaired or replaced. Within eight (8) business hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) business hours of discovery of the failure and shall include a timetable for completion. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a deviation from this permit. If operations continue after bag failure is observed and it will be ten (10) days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.~~

~~(b)~~**(a)** For **a** single compartment baghouse~~s~~ **controlling emissions from a process operated continuously**, ~~if failure is indicated by a significant drop in the baghouse's pressure readings with abnormal visible emissions or the failure is indicated by an opacity violation, or if bag failure is determined by other means, such as gas temperatures, flow rates, air infiltration, leaks, dust traces or triboflows, then~~ **a** failed unit~~s~~ and the associated process **shall** be shut down immediately until the failed unit~~s~~ ~~have~~ **has** been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the

Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

(b) For a single compartment baghouse controlling emissions from a batch process, the feed to the process shall be shut down immediately until the failed unit has been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in the line. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

Bag failure can be indicated by a significant drop in the baghouse=s pressure reading with abnormal visible emissions, by an opacity violation, or by other means such as gas temperature, flow rate, air infiltration, leaks, dust traces or triboflows.

~~D.1.9~~**D.1.8** Record Keeping Requirements

. . .

(a) To document compliance with Condition D.1.5, the Permittee shall maintain records of the once per day visible emission notations. **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).**

(b) To document compliance with Condition D.1.6, the Permittee shall maintain records of the once per day pressure drop readings. **The Permittee shall include in its daily record when a pressure drop reading is not taken and the reason for the lack of pressure drop reading (e.g. the process did not operate that day).**

~~(c) To document compliance with Condition D.1.7, the Permittee shall maintain records of the results of the inspections.~~

~~(d) To document compliance with Condition D.1.3, the Permittee shall maintain of records of any additional inspections prescribed by the Preventive Maintenance Plan.~~

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

D.2.1 Prevention of Significant Deterioration (PSD) [326 IAC 2-2] ~~[40 CFR 52.21]~~

Pursuant to CP 157-3581-00033, issued February 27, 1995 and amended April 5, 1995:

(a) The sulfur dioxide emissions from LA-62A and LA-62B shall not exceed 1.37 pounds per hour. ~~Compliance with this limit is equivalent to sulfur dioxide emissions of less than 6.0 tons per year.~~

(b) The total sulfur dioxide emissions from scrubber LA-70 (controlling emissions from the millhouse) shall not exceed 12.85 pounds per hour and the concentration of sulfur dioxide in the exhaust shall not exceed 17 ppm. ~~Compliance with this limit is equivalent to sulfur dioxide emissions of less than 56.3 tons per year.~~

Compliance with these limits shall render the requirements of ~~40 CFR 52.21 and~~ 326 IAC 2-2 not applicable for SO_2.

D.2.4 Monitoring for Scrubber

. . .

(c) ~~The Response to Excursions or Exceedances for the scrubber shall contain troubleshooting contingency and corrective actions for~~ ~~when~~ **When for any one reading,** the pH~~,~~ **and** flow rate~~, and pressure drop~~ readings ~~are~~ **across the scrubber is** outside of the respective normal ranges, as specified by the manufacturer, ~~for any one reading~~ **the**

Permittee shall take reasonable response steps in accordance with Section C – Response to Excursions or Exceedances. A reading that is outside the normal range is not a deviation from this permit. Failure to take response steps in accordance with Section C - ~~Compliance Response Plan - Preparation, Implementation, Records and Reports~~ **Response to Excursions or Exceedances**, shall be considered a deviation from this permit.

(d) The instruments used for determining the pH and flow rate shall comply with Section C - ~~Pressure Gauge and Other~~ Instrument Specifications, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated at least once every six (6) months.

~~D.2.5 Scrubber Inspections~~

~~An inspection of the scrubbers controlling emissions from LA-70 shall be performed semi-annually. Inspections required by this condition shall not be performed in consecutive months. Repairs or replacement of defective components shall be performed in accordance with the Preventive Maintenance Plan.~~

~~D.2.6~~ **D.2.5** Scrubber ~~Malfunction~~ **Failure Detection [326 IAC 2-7-6(1)][326 IAC 2-7-5(1)]**

In the event that scrubber failure has been observed:

~~Failed units and the associated process will~~ **The feed to the process shall** be shut down immediately until the failed units have been repaired or replaced. **The emission units shall be shut down no later than the completion of the processing of the material in the emission unit.** Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions). Failure to take response steps in accordance with Section C - ~~Compliance Response Plan - Preparation, Implementation, Records, and Reports~~ **Response to Excursions or Exceedances**, shall be considered a ~~violation~~ **deviation** of this permit.

~~D.2.7~~ **D.2.6** Record Keeping Requirements

(a) To document compliance with Condition D.2.4, the Permittee shall maintain hourly records of the pH of the scrubbing liquid and scrubber recirculation rate of the scrubber controlling emissions from LA-70.

~~(b) To document compliance with Conditions D.2.5, the Permittee shall maintain records of the results of the inspections required under Condition D.2.5.~~

~~(c) To document compliance with Condition D.2.2, the Permittee shall maintain of records of any additional inspections prescribed by the Preventive Maintenance Plan.~~

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

SECTION D.3 FACILITY OPERATION CONDITIONS

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

(c) Feed House and Boiler House Area, consisting of:

. . .

(6) One (1) natural gas~~/No. 2 fuel oil~~ fired Gluten Dryer, identified as Unit ID LA-15, constructed in 1995, with a maximum heat input of 52 MMBtu/hr, with a scrubber (ID LA-68), an integral product collector/cyclone and Low NO_x Burner for control, exhausting to stack 4

…

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

D.3.2 Prevention of Significant Deterioration (PSD) [326 IAC 2-2] ~~[40 CFR 52.21]~~

(a) Pursuant to OP 79-07-89-0345, issued February 5, 1986:

. . .

Compliance with these particulate and sulfur dioxide limitations will satisfy the requirements of ~~40 CFR 52.21 and~~ 326 IAC 2-2 (Prevention of Significant Deterioration).

(b) Pursuant to CP 157-3581-00033, issued February 27, 1995 and amended April 5, 1995:

(1) The total PM/PM10 emissions from LA-43 and LA-17B shall not exceed 6.43 pounds per hour. ~~Compliance with this limit is equivalent to PM/PM10 emissions of 28.16 tons per year.~~

(2) The PM/PM10 emissions from LA-53 shall not exceed 4.29 pounds per hour. ~~Compliance with this limit is equivalent to PM/PM10 emissions of 18.77 tons per year.~~

(3) The total sulfur dioxide emissions from scrubbers LA-70 and LA-71 (controlling emissions from various insignificant activities in the feedhouse and millhouse, respectively) shall not exceed 12.85 pounds per hour and the concentration of sulfur dioxide in the exhaust from scrubber LA-70 and LA-71 shall not exceed 17 ppm. ~~Compliance with this limit is equivalent to sulfur dioxide emissions of less than 56.3 tons per year.~~

~~(4) The amount of No. 2 fuel oil consumed by LA-15 shall not exceed 1,662,480 gallons per twelve consecutive month period with compliance determined at the end of each month and the sulfur content of the fuel oil shall not exceed 0.5% sulfur. Compliance with this limit, including the effect of scrubber LA-68, is equivalent to SO_2 emissions of less than 29.5 tons per year.~~

~~(5)~~**(4)** The nitrogen oxide (NO_x) emissions from LA-15 shall not exceed 7.59 pounds per hour. Compliance with this limit shall be met with the use of low-NO_x burners ~~and is equivalent to NO_x emissions of less than 33.3 tons per year~~.

Compliance with these limits shall render the requirements of ~~40 CFR 52.21 and~~ 326 IAC 2-2 (Prevention of Significant Deterioration) not applicable for PM, PM10 and SO_2.

(c) Pursuant to SSM 157-11449-00033, issued August 16, 2000, and CP 157-3581-00033, issued February 27, 1995:

. . .

Compliance with these limits shall render the requirements of ~~40 CFR 52.21 and~~ 326 IAC 2-2 (Prevention of Significant Deterioration) not applicable for PM, PM10 and SO_2.

(d) Pursuant to PSD 79-1551, issued August 31, 1984, and as revised by ~~this~~ permit **No. 157-6008-00033 issued June 28, 2004**, the NO_x emissions from:

. . .

(e) Pursuant to PSD 79-1551, issued August 31, 1984, and as revised by ~~this~~ permit **No. 157-6008-00033 issued June 28, 2004**, the carbon monoxide (CO) emissions from:

. . .

D.3.5 Sulfur Dioxide [326 IAC 7-1.1-2] [326 IAC 7-2-1]

(a) Pursuant to 326 IAC 7-1.1-2(a)(3), the sulfur dioxide (SO_2) emissions from LA-8, ~~LA-15,~~ LA-17A, LA-46 and LA-47 shall each not exceed 0.5 pounds per MMBtu heat input when combusting #2 fuel oil. Pursuant to 326 IAC 7-2-1, compliance shall be demonstrated on a calendar month average.

. . .

~~D.3.7 Preventive Maintenance Plan [326 IAC 2-7-5(13)]~~

~~(a) A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for these facilities and any control devices.~~

~~(b) The PMP for an electrostatic precipitator controlling emissions from LA-45 shall include the following inspections, performed according to the indicated schedules:~~

~~(1) Plate and electrode alignment no less than every 2 years;~~

~~(2) ESP TR set components, performed whenever there is an outage of any nature lasting more than three days, unless such inspections have been performed within the last six months. At a minimum, the following inspections shall be performed:~~

~~(A) Internal inspection of shell for corrosion (including but not limited to doors, hatches, insulator housings, and roof area).~~

~~(B) Effectiveness of rapping (including but not limited to buildup of dust on discharge electrodes and plates).~~

~~(C) Gas distribution (including but not limited to buildup of dust on distribution plates and turning vanes).~~

~~(D) Dust accumulation (including but not limited to buildup of dust on shell and support members that could result in grounds or promote advanced corrosion).~~

~~(E) Major misalignment of plates (including but not limited to a visual check of plate alignment).~~

~~(F) Rapper, vibrator and TR set control cabinets (including but not limited to motors and lubrication).~~

~~(G) Rapper assembly (including but not limited to loose bolts, ground wires, water in air lines, and solenoids).~~

~~(H) Vibrator and rapper seals (including but not limited to air in-leakage, wear, and deterioration).~~

~~(I) TR set controllers (including but not limited to low voltage trip point, over current trip point, and spark rate).~~

~~(J) Vibrator air pressure settings.~~

~~(3) Air and water infiltration, once per month. The recommended method for this inspection is for audible checks around ash hoppers/hatches, duct expansion joints, and areas of corrosion.~~

~~(c) The PMP for a multiclone shall include inspections of the internal components of the multiclone, conducted annually in accordance with the Section B - Preventive~~

~~Maintenance Plan. Items to be checked include air infiltration, plugging of inlet spinner vanes, outlet tube erosion, deposits on the inside surfaces of the cyclone tubes, and plugging of the bottom of the cyclone tubes.~~

~~D.3.8~~ **D.3.7** Particulate, Sulfur Dioxide, and VOC Control

In order to comply with Conditions ~~D.3.1 through~~ **D.3.2, D.3.3,** D.3.5, **and D.3.6,** the cyclones and scrubbers, including those cyclones integral to the process, shall be in operation and control emissions from LA-8, LA-17A, LA-17B, LA-15, LA-60, LA-47, LA-43 and LA-53 at all times that the facilities are in operation.

~~D.3.9~~ **D.3.8** Operation of Electrostatic Precipitator [326 IAC 2-7-6(6)]

~~D.3.10~~ **D.3.9** Operation of Multiclone [326 IAC 2-7-6(6)]

~~D.3.11~~ **D.3.10** Sulfur Dioxide Emissions and Sulfur Content

Compliance with Condition ~~D.3.4~~ **D.3.5** shall be determined pursuant to 326 IAC 3-7-4. The Permittee shall demonstrate that the sulfur dioxide emissions from LA-8, ~~LA-15,~~ LA-17A and LA-46 do not exceed five-tenths (0.5) pound per million Btu heat input when combusting #2 fuel oil by:

. . .

~~D.3.13~~ **D.3.11** Sulfur Dioxide Emissions and Sulfur Content [326 IAC 2-7-5(3),(A)] [326 IAC 2-7-6]

~~D.3.13~~ **D.3.12** Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]

D.3.~~14~~ **D.3.13** Visible Emissions Notations

(a) Visible emission notations of the exhaust from stacks 4 and 7 (exhausting emissions from facilities LA-8, LA-17A, LA-17B, LA-15, LA-60, LA-47, LA-43, LA-46 and LA-53) shall be performed once per ~~shift~~ **day** during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.

(b) Visible emission notations of the exhaust from stack 34 (exhausting emissions from LA-44) shall be performed once per ~~shift~~ **day** during normal daylight operations while combusting fuel oil. A trained employee shall record whether emissions are normal or abnormal.

(f) ~~The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an~~ **If** abnormal emission**s** ~~is~~ **are** observed**, the Permittee shall take reasonable response steps in accordance with Section C – Response to Excursions or Exceedances**. Failure to take response steps in accordance with Section C - ~~Compliance Response Plan - Preparation, Implementation, Records, and Reports~~ **Response to Excursions or Exceedances**, shall be considered a deviation from this permit.

~~D.3.15 Cyclone Inspections~~

~~An inspection shall be performed at least each calendar year of the cyclone controlling LA-53. Inspections required by this condition shall not be performed in consecutive months.~~

~~D.3.16~~ **D.3.14** Cyclone Failure Detection **[326 IAC 2-7-6(1)][326 IAC 2-7-5(1)]**

In the event that cyclone failure has been observed:

~~Failed units and the associated process will~~ **The feed to the process shall** be shut down immediately until the failed units have been repaired or replaced. **The emission unit shall be shut down no later than the completion of the processing of the material in the emission unit.** Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions). Failure to take response steps in accordance with Section C - ~~Compliance Response~~

~~Plan - Preparation, Implementation, Records, and Reports~~ **Response to Excursions or Exceedances**, shall be considered a ~~violation~~ **deviation** of this permit.

~~D.3.17~~ **D.3.15** Scrubber Monitoring

(a) The Permittee shall monitor the pH of the recycled water from scrubbers LA-67, LA-68, and LA-69 at least once per hour during normal operation. The pH shall not be less than 5.0 for any one reading and not less than 7.0 based on a twelve**-**reading average determined at least once per ~~shift~~ **day**.

(b) The Permittee shall monitor the pH of the recycled water from scrubber LA-71 at least once per hour during normal operation. The pH shall not be less than 5.0 for any one reading and not less than 7.0 based on a twelve-reading average determined at least once per ~~shift~~ **day**.

(c) The Permittee shall monitor the scrubbant flow rate of the gaseous and particulate sections of scrubber LA-67 at least once per hour during normal operation. The scrubbant flow rates for the gaseous and particulate sections of LA-67 shall not average less than 1000 gallons per minute and 200 gallons per minute, respectively, based on a twelve**-**reading average determined at least once per ~~shift~~ **day**.

(d) The Permittee shall monitor the scrubbant flow rate of scrubber LA-68 at least once per hour during normal operation. The scrubbant flow rates shall not average less than 200 gallons per minute based on a twelve**-**reading average determined at least once per ~~shift~~ **day**.

(e) The Permittee shall monitor the scrubbant flow rate of the gaseous and particulate sections of scrubber LA-69 at least once per hour during normal operation. The scrubbant flow rates for the gaseous and particulate sections of LA-69 shall not average less than 500 gallons per minute and 100 gallons per minute, respectively, based on a twelve**-**reading average determined at least once per ~~shift~~ **day**.

(f) The Permittee shall monitor the scrubbant flow rate of scrubber LA-17B at least once per hour during normal operation. The scrubbant flow rate shall not average less than 175 gallons per minute based on a twelve**-**reading average determined at least once per ~~shift~~ **day**.

(g) ~~The Compliance Response Plan for the scrubbers shall contain troubleshooting contingency and corrective actions for~~ ~~when~~ **When for any reading,** the pH and flow rate readings are outside of the specified ranges for any one reading**, the Permittee shall take reasonable response steps in accordance with Section C – Response to Excursions or Exceedances**. A pH or flow rate reading that is outside the normal range is not a deviation from this permit. Failure to take response steps in accordance with Section C - ~~Compliance Response Plan - Preparation, Implementation, Records, and Reports~~ **Response to Excursions or Exceedances**, shall be considered a deviation from this permit.

(h) The instruments used for determining the pH and flow rates shall comply with Section C - ~~Pressure Gauge and Other~~ Instrument Specifications, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated at least once every six (6) months.

~~D.3.18 Scrubber Inspections~~

~~An inspection of the scrubbers controlling emissions from LA-8, LA-17A, LA-17B, LA-15, LA-60, LA-47, LA-71 and LA-43 shall be performed at least once per year. Inspections required by this condition shall not be performed in consecutive months. Repairs or replacement of defective components shall be performed in accordance with the Preventive Maintenance Plan.~~

~~D.3.19~~ **D.3.16** Scrubber ~~Malfunction~~ **Failure Detection [326 IAC 2-7-6(1)][326 IAC 2-7-5(1)]**

In the event that scrubber failure has been observed:

~~Failed units and the associated process will~~ **The feed to the process shall** be shut down immediately until the failed units have been repaired or replaced. **The emission unit shall be shut down no later than the completion of the processing of the material in the emission unit.** Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions). Failure to take response steps in accordance with Section C - ~~Compliance Response Plan - Preparation, Implementation, Records, and Reports~~ **Response to Excursions or Exceedances**, shall be considered a ~~violation~~ **deviation** of this permit.

~~D.3.20~~ **D.3.17** Continuous Opacity Monitoring [326 IAC 3-5]

Pursuant to 326 IAC 3-5 (Continuous Monitoring of Emissions), and 326 IAC 2, a continuous monitoring system shall be installed, calibrated, maintained, and operated to measure the opacity of the exhaust from boiler LA-45 to ensure compliance with Conditions ~~D.3.1,~~ D.3.2~~,~~ and ~~D.3.3~~**D.3.4**. The continuous opacity monitoring system shall meet the performance specifications of 326 IAC 3-5-2.

~~D.3.21~~ **D.3.18** Opacity Readings

. . .

Appropriate response steps shall be taken in accordance with Section C - ~~Compliance Response Plan - Preparation, Implementation, Records, and Reports~~ **Response to Excursions or Exceedances** whenever the opacity from the boiler exceeds thirty percent (30%) for any three (3) consecutive six-minute average period. Failure to take response steps in accordance with Section C - ~~Compliance Response Plan - Preparation, Implementation, Records, and Reports~~ **Response to Excursions or Exceedances**, shall be considered a deviation from this permit.

~~D.3.22~~ **D.3.19** Method 9 Opacity Readings and Visible Emissions Notations

. . .

(b) ~~The Compliance Response Plan for these units shall contain troubleshooting contingency and response steps for when~~ **When** an abnormal emission is observed or whenever the opacity from a boiler exceeds thirty-eight percent (38%) for any two consecutive six-minute average periods**, the Permittee shall take response steps in accordance with Section C – Response to Excursions or Exceedances**. Failure to take response steps in accordance with Section C - ~~Compliance Response Plan - Preparation, Implementation, Records, and Reports~~ **Response to Excursions or Exceedances**, shall be considered a deviation from this permit.

~~D.3.23~~ **D.3.20** Record Keeping Requirements

. . .

(b) To document compliance with Condition ~~D.3.4~~ **D.3.5**, the Permittee shall maintain records in accordance with (1) through (9) below. Records maintained for (1) through (9) shall be taken monthly and shall be complete and sufficient to establish compliance with the sulfur dioxide emission limit established in Condition ~~D.3.4~~ **D.3.5**.

. . .

~~(c) To document compliance with Condition D.3.6, the Permittee shall maintain records of the results of all boiler and emission control equipment inspections, including any additional inspections prescribed by the Preventive Maintenance Plans.~~

(~~d~~**c**) To document compliance with Condition ~~D.3.14~~ **D.3.13**, the Permittee shall maintain records of the once per ~~shift~~ **day** visible emission notations**. 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) To document compliance with Conditions D.3.14 and D.3.17, the Permittee shall maintain records of the results of the inspections.~~

~~(f)~~**(d)** To document compliance with Condition ~~D.3.17~~**D.3.15**, the Permittee shall maintain records of the:

. . .

~~(g)~~**(e)** To document compliance with Condition ~~D.3.19~~ **D.3.9**, the Permittee shall record the pressure drop across the multiclone. **The Permittee shall include in its daily record when a pressure drop reading is not taken and the reason for the lack of pressure drop reading (e.g. the process did not operate that day).**

~~(h)~~**(f)** To document compliance with Conditions ~~D.3.20, D.3.21, and D.3.22~~ **D.3.17, D.3.18, and D.3.19**, the Permittee shall maintain records of the continuous opacity monitoring (COM) data in accordance with 326 IAC 3-5. When the COM system is not functioning, the Permittee shall maintain the necessary records pursuant to Section C - Maintenance of Continuous Opacity Monitoring Equipment, and ~~Compliance Response Plan - Preparation, Implementation, Records, and Reports~~ **Response to Excursions or Exceedances**. Records must be complete and sufficient to establish compliance with the limits established in this section.

~~(i)~~**(g)** Pursuant to 326 IAC 3-7-5(a), the Permittee shall develop a standard operating procedure (SOP) to be followed for sampling, handling, analysis, quality control, quality assurance, and data reporting of the information collected pursuant to 326 IAC 3-7-2 through 326 IAC 3-7-4. In addition, any revision to the SOP shall be submitted to IDEM, OAQ.

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

~~D.3.24~~ **D.3.21** Reporting Requirements

...

(c) A semi-annual summary of the information to document compliance with Condition ~~D.3.4~~ **D.3.5** in any compliance period when No. 2 fuel oil was combusted, and the natural gas fired boiler certification, shall be submitted to the address listed in Section C - General Reporting Requirements, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the six (6) month period being reported. The report submitted by the Permittee does require the certification by the Aresponsible official@ as defined by 326 IAC 2-7-1(34).

. . .

~~(e) A quarterly summary of the information to document compliance with Condition D.3.1(b)(4) shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the Aresponsible official@ as defined by 326 IAC 2-7-1(34).~~

D.4.1 Prevention of Significant Deterioration [326 IAC 2-2]

(a) Pursuant to PSD 79-1551, issued August 31, 1984, the PM emissions from LA-22 shall be controlled by baghouses that provide an overall control efficiency of at least 99.9%. Compliance with these limitations will satisfy the requirements of ~~40 CFR 52.21 and~~ 326 IAC 2-2 (Prevention of Significant Deterioration).

. . .

Compliance with these limitations will satisfy the requirements of ~~40 CFR 52.21 and~~ 326 IAC 2-2 (Prevention of Significant Deterioration).

(c) Pursuant to CP 157-3581-00033, issued February 27, 1995 and amended April 5, 1995, the PM/PM10 emissions from LA-21 shall not exceed 1.03 pounds per hour. ~~Compliance with this limit is equivalent to PM/PM10 emissions of less than or equal to 4.5 tons per year.~~

Compliance with these limitations shall render the requirements of ~~40 CFR 52.21 and~~ 326 IAC 2-2 not applicable for PM and PM10.

(d) Pursuant to SSM 157-16882-00033, issued December 5, 2003, and as revised by this permit:

(1) The PM/PM10 emissions shall not exceed the limits listed in the table below:

Unit ID	PM/PM10 emission limit (lb/hr)	PM/PM10 emission limit (ton/yr)
LA-21B	0.26	1.13
LA-63	3.00	13.1
LA-64	1.29	5.65
LA-77	0.77	3.38
LA-79	1.71	7.48
LA-80	1.71	7.48
LA-81	1.71	7.48
LA-82	~~8.26~~ **0.26**	1.13
LA-83	1.03	4.51

. . .

D.4.6 Visible Emissions Notations

. . .

(b) Visible emission notations of the stack exhaust from LA-77 shall be performed once per ~~shift~~ **day** during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.

. . .

(f) ~~The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an~~ **If** abnormal emission**s** ~~is~~ **are** observed**, the Permittee shall take reasonable response steps in accordance with Section C – Response to Excursions or Exceedances**. Failure to take response steps in accordance with Section C - ~~Compliance Response Plan - Preparation, Implementation, Records, and Reports~~ **Response to Excursions or Exceedances**, shall be considered a deviation from this permit.

D.4.7 Parametric Monitoring

(a) The Permittee shall record the ~~total static~~ pressure drop across the baghouse used in conjunction with LA-22, LA-21, LA-18, LA-82 and LA-64, at least once per day when these facilities are in operation. When for any one reading or observance, the pressure drop across the baghouse is outside the normal range of 3.0 and 6.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C- ~~Compliance Response Plan - Preparation, Implementation, Records, and Reports~~ **Response to Excursions or Exceedances**. A

pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - ~~Compliance Response Plan - Preparation, Implementation, Records, and Reports~~ **Response to Excursions or Exceedances**, shall be considered a deviation from this permit.

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

~~D.4.8 Baghouse and Cyclone Inspections~~

~~(a) An inspection of all bags, controlling particulate emissions from facilities LA-22, LA-21, LA-18, LA-64, LA-21B, LA-82 and LA-83 shall be performed at least once per calendar year. Inspections required by this condition shall not be performed in consecutive months. All defective bags shall be replaced.~~

~~(b) An inspection shall be performed at least once per calendar year for all cyclones controlling pellet coolers (LA-63, LA-79, LA-80, and LA-81). Inspections required by this condition shall be performed t least six (6) months apart.~~

~~(b) Inspections shall also be performed whenever the respective baghouse or cyclone is out of service for more than 24 consecutive hours. All defective bags shall be replaced.~~

~~D.4.9~~ **D.4.8** Broken or Failed Bag Detection

~~In the event that bag failure has been observed:~~

~~(a) For multi-compartment units, the affected baghouse compartments will be shut down immediately until the failed units have been repaired or replaced. Within eight (8) business hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) business hours of discovery of the failure and shall include a timetable for completion. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a deviation from this permit. If operations continue after bag failure is observed and it will be ten (10) days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.~~

~~(b)~~**(a)** For **a** single compartment baghouse~~s~~ **controlling emissions from a process operated continuously**, ~~if failure is indicated by a significant drop in the baghouse's pressure readings with abnormal visible emissions or the failure is indicated by an opacity violation, or if bag failure is determined by other means, such as gas temperatures, flow rates, air infiltration, leaks, dust traces or triboflows, then~~ **a** failed unit~~s~~ and the associated process **shall** be shut down immediately until the failed unit~~s~~ ~~have~~ **has** been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

(b) For a single compartment baghouse controlling emissions from a batch process, the feed to the process shall be shut down immediately until the failed unit has been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in the line. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

Bag failure can be indicated by a significant drop in the baghouse=s pressure reading with abnormal visible emissions, by an opacity violation, or by other means such as gas temperature, flow rate, air infiltration, leaks, dust traces or triboflows.

~~D.4.10~~ **D.4.9** Cyclone Failure Detection **[326 IAC 2-7-6(1)][326 IAC 2-7-5(1)]**

In the event that cyclone failure has been observed:

~~Failed units and the associated process will~~ **The feed to the process shall** be shut down immediately until the failed units have been repaired or replaced. **The emission unit shall be shut down no later than the completion of the processing of the material in the emission unit.** Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions). Failure to take response steps in accordance with Section C - ~~Compliance Response Plan - Preparation, Implementation, Records, and Reports~~ **Response to Excursions or Exceedances**, shall be considered a ~~violation~~ **deviation** of this permit.

~~D.4.11~~ **D.4.10** Scrubber Monitoring

(a) The Permittee shall monitor and record the scrubbing liquid rate from the scrubber controlling emissions from LA-77, at least once per hour, when the respective facility is in operation. The flow rate shall not average less than 25 gallons based on ~~twelve (12)~~ **twenty-four (24)** consecutive one-hour readings recorded during each ~~shift~~ **day**.

(b) When for any one reading, the flow rate is less than the normal range of 25 gallons per minute, or a minimum rate established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C - ~~Compliance Response Plan - Preparation, Implementation, Records, and Reports~~ **Response to Excursions or Exceedances**. A pressure reading or flow rate that is outside the above mentioned ranges, is not a deviation from this permit. Failure to take response steps in accordance with Section C - ~~Compliance Response Plan - Preparation, Implementation, Records, and Reports~~ **Response to Excursions or Exceedances**, shall be considered a deviation from this permit.

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

~~D.4.12 Scrubber Inspections~~

~~An inspection of the scrubber controlling emissions from facility LA-77 shall be performed each calendar quarter. Inspections required by this condition shall not be performed in consecutive months. Repairs or replacement of defective components shall be performed in accordance with the Preventive Maintenance Plan.~~

~~D.4.13~~ **D.4.11** Scrubber Failure Detection

In the event that a scrubber malfunction has been observed:

~~Failed units and the associated process will~~ **The feed to the process shall** be shut down immediately until the failed units have been repaired or replaced. **The emission unit shall be shut down no later than the completion of the processing of the material in the emission unit.** Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions). Failure to take response steps in accordance with Section C - ~~Compliance Response Plan - Preparation, Implementation, Records, and Reports~~ **Response to Excursions or Exceedances**, shall be considered a deviation from this permit.

~~D.4.14~~ **D.4.12** Record Keeping Requirements

(a) To document compliance with Condition D.4.6~~(a)~~, the Permittee shall maintain records of the once per day visible emission notations of the stack exhaust. **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).

~~(b) To document compliance with Condition D.4.6(b), the Permittee shall maintain records of the once per shift visible emission notations of the stack exhaust.~~

~~(c)~~**(b)** To document compliance with Condition D.4.7, the Permittee shall maintain records of the of the once per day pressure drop readings. **The Permittee shall include in its daily record when a pressure drop reading is not taken and the reason for the lack of pressure drop reading (e.g. the process did not operate that day).**

~~(d) To document compliance with Conditions D.4.8 and D.4.12, the Permittee shall maintain records of the results of the inspections.~~

~~(e)~~**(c)** To document compliance with Condition ~~D.4.11~~ **D.4.10**, the Permittee shall maintain once per ~~shift~~ **hour** flow rate records of the scrubber controlling emissions from LA-77:

~~(f) To document compliance with Condition D.4.3, the Permittee shall maintain of records of any additional inspections prescribed by the Preventive Maintenance Plan.~~

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

SECTION D.5 FACILITY CONDITIONS

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

(e) Refinery Area, consisting of:

. . .

(15) One (1) natural gas-fired Carbon Reactivation Furnace, identified as Unit ID LA-28B, approved for construction in 2007, with a maximum heat input of 15 MMBtu/hr, with a wet scrubber and an afterburner for control, exhausting to stack 33B.

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

D.5.1 Prevention of Significant Deterioration (PSD) [326 IAC 2-2] ~~[40 CFR 52.21]~~

(a) Pursuant to OP 79-07-89-0345, issued February 5, 1986:

. . .

Compliance with these limitations will satisfy the requirements of ~~40 CFR 52.21 and~~ 326 IAC 2-2 (Prevention of Significant Deterioration).

~~Compliance with these limits will satisfy the requirements of 40 CFR 52.21, 326 IAC 2-2, and~~

(b) Pursuant to CP 157-3581-00033, issued February 27, 1995, and amended May 6, 1996:

(1) The PM/PM10 emissions from LA-28 shall not exceed 1.29 pounds per hour. ~~Compliance with this limit is equivalent to PM/PM10 emissions of 5.63 tons per year.~~

(2) The sulfur dioxide emissions from LA-61 shall not exceed 5.96 pounds per hour and the concentration **of** sulfur dioxide in the exhaust shall not exceed 500 ppm.

~~Compliance with this limit is equivalent to sulfur dioxide emissions of less than 26.1 tons per year.~~

Compliance with these limitations shall render the requirements of ~~40 CFR 52.21 and~~ 326 IAC 2-2 (Prevention of Significant Deterioration) not applicable for PM, PM10 and SO_2.

(c) Pursuant to SSM 157-11449-00033, issued August 16, 2000:

(1) The amount of steam vented under the alternate operating scenario from LA-75 shall not exceed 21,000,000 pounds per twelve consecutive month period with compliance determined at the end of each month. ~~Compliance with this limit is equivalent to an increase in sulfur dioxide (SO_2) emissions of less than 40 tons per year.~~

Compliance with these limitations shall render the requirements of ~~40 CFR 52.21 and~~ 326 IAC 2-2 (Prevention of Significant Deterioration) not applicable for SO_2.

(d) Pursuant to CP 157-3581-00033, issued February 27, 1995 and amended April 5, 1995, and SSM 157-16770-00033, issued July 10, 2003, the PM/PM10 emissions from LA-51 shall not exceed 0.77 pounds per hour. Compliance with this limit ~~is equivalent to PM/PM10 emissions of less than or equal 3.38 tons per year,~~ will ensure compliance with 326 IAC 6-3-2, and shall render the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration) not applicable for PM and PM10.

(f) In order to render the requirements of 326 IAC 2-2 (PSD) not applicable, emissions from the carbon reactivation furnace LA-28B shall not exceed the emission limits listed in the table below:

Pollutant	Emission Limits (lbs/hr)
PM/PM10	**1.0**
VOC	**1.0**
CO	**5.0**

Compliance with the above emission limits ensures that the emissions from the modification permitted in SSM 157-24835-00033 are limited to less than 25 tons per year for PM, 15 tons per year for PM10, 40 tons per year for VOC, and 100 tons per year for CO. Therefore, the requirements of 326 IAC 2-2 (PSD) are not applicable.

D.5.2 Particulate Emission Limitations for Manufacturing Processes [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2, the allowable particulate emission rate from facilities LA-29, LA-31(stack 20A), LA-31(stack 20B), LA-32, LA-28**, and LA-28B,** and LA-51 shall not exceed the pound per hour emission rate established as E in the following formula:

. . .

D.5.4 VOC Emissions [326 IAC 8-1-6]

Pursuant to 326 IAC 8-1-6 (BACT), the Permittee shall control the VOC emissions from carbon reactivation furnace LA-28B with a Best Available Control Technology (BACT), which has been determined to be the following:

(a) The VOC emissions from the furnace LA-28B shall be controlled by an afterburner.

(b) The VOC emissions from the furnace LA-28B stack (Stack 33B) shall not exceed 1.0 lb/hr.

(c) The overall VOC control efficiency for the afterburner (including the capture efficiency and absorption efficiency) shall be at least 98%, or the VOC outlet concentration shall not exceed 10 ppmv.

D.~~5.4~~ **5.5** Preventive Maintenance Plan [326 IAC 2-7-5(13)]

D.~~5.5~~ **5.6** Particulate and Sulfur Dioxide Control

In order to comply with Condition**s D.5.1 and** D.5.2~~,~~**:**

. . .

(e) The wet scrubber for particulate control and the afterburner for VOC and CO control shall be in operation and control emissions from furnace LA-28B at all times that this furnace in operation.

D.~~5.6~~ **5.7** Sulfur Dioxide Emissions and Sulfur Content

D.5.8 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]

In order to verify compliance with Conditions D.5.1(f), D.5.2, D.5.4(b), and D.5.4(c), the Permittee shall perform PM/PM10, VOC (including emission rate, destruction efficiency, and capture efficiency), and CO testing for furnace LA-28B within 60 days after achieving the maximum capacity, but not later than 180 days after initial startup, utilizing methods as approved by the Commissioner. These tests shall be repeated at least once every five (5) years from the date of this valid compliance demonstration. Testing shall be conducted in accordance with Section C - Performance Testing. PM10 includes filterable and condensible PM10.

D.~~5.7~~ **5.9** Visible Emissions Notations **[40 CFR 64]**

(a) Visible emission notations of LA-29, LA-28**, LA-28B,** and LA-51 stack exhaust shall be performed once per ~~shift~~ **day** during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.

. . .

(e) ~~The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for~~ ~~when an~~ **If** abnormal emission**s** ~~is~~ **are** observed**, the Permittee shall take reasonable response steps in accordance with Section C – Response to Excursions or Exceedances**. Failure to take response steps in accordance with Section C - ~~Compliance Response Plan - Preparation, Implementation, Records, and Reports~~ **Response to Excursions or Exceedances**, shall be considered a deviation from this permit.

D.~~5.8~~ **5.10** Parametric Monitoring

The Permittee shall record the ~~total static~~ pressure drop across the baghouses used to control emissions from LA-31(stack 20A), LA-31(stack 20B), and LA-32, at least once per day when the facilities are in operation. When for any one reading or observance, the pressure drop across the baghouse is outside the normal range of 3.0 and 6.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C- ~~Compliance Response Plan - Preparation, Implementation, Records, and Reports~~ **Response to Excursions or Exceedances**. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - ~~Compliance Response Plan - Preparation, Implementation, Records, and Reports~~ **Response to Excursions or Exceedances**, shall be considered a deviation from this permit.

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

~~D.5.9 Baghouse Inspections~~

~~(a) An inspection of all bags, controlling particulate emissions from facilities LA-31(stack 20A), LA-31(stack 20B), and LA-32, shall be performed at least once per calendar year.~~

~~Inspections required by this condition shall not be performed in consecutive months. All defective bags shall be replaced.~~

~~(b) Inspections shall also be performed whenever the respective baghouse is out of service for more than 24 consecutive hours. However, an inspection is not required if one has been conducted within the previous two months. All defective bags shall be replaced.~~

~~D.5.10~~ **D.5.11** Broken or Failed Bag Detection

~~In the event that bag failure has been observed:~~

~~(a) For multi-compartment units, the affected baghouse compartments will be shut down immediately until the failed units have been repaired or replaced. Within eight (8) business hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) business hours of discovery of the failure and shall include a timetable for completion. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a deviation from this permit. If operations continue after bag failure is observed and it will be ten (10) days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.~~

~~(b)~~**(a)** For **a** single compartment baghouse~~s~~ **controlling emissions from a process operated continuously**, ~~if failure is indicated by a significant drop in the baghouse=s pressure readings with abnormal visible emissions or the failure is indicated by an opacity violation, or if bag failure is determined by other means, such as gas temperatures, flow rates, air infiltration, leaks, dust traces or triboflows, then~~ **a** failed unit~~s~~ and the associated process **shall** be shut down immediately until the failed unit~~s~~ ~~have~~ **has** been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

(b) For a single compartment baghouse controlling emissions from a batch process, the feed to the process shall be shut down immediately until the failed unit has been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in the line. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

Bag failure can be indicated by a significant drop in the baghouse=s pressure reading with abnormal visible emissions, by an opacity violation, or by other means such as gas temperature, flow rate, air infiltration, leaks, dust traces or triboflows.

~~D.5.11~~ **D.5.12** Scrubber Monitoring **[40 CFR 64]**

(a) The Permittee shall monitor the pH of the scrubbing liquid and scrubber recirculation rate at least once per ~~shift~~ **day** of the scrubber controlling emissions from LA-61 during normal operation. The ~~Compliance Response Plan for the scrubber shall contain troubleshooting contingency and corrective actions for when~~ **When for any one reading,** the pH or flow rate readings **across the scrubber** are outside of the respective normal ranges, as specified by the manufacturer, ~~for any one reading~~ **the Permittee shall take reasonable response steps in accordance with Section C – Response to Excursions or Excursions**. A reading that is outside the normal range is not a deviation from this permit. Failure to take response steps in accordance with Section C - ~~Compliance Response Plan - Preparation, Implementation, Records, and Reports~~

Response to Excursions or Exceedances, shall be considered a deviation from this permit.

(b) The Permittee shall monitor the scrubber recirculation rate at least once per ~~shift~~ **day** of the scrubbers controlling emissions from LA-28**, LA-28B,** and LA-29 during normal operation. ~~The Compliance Response Plan for the scrubber shall contain troubleshooting contingency and corrective actions for~~ ~~w~~**W**hen **for any one reading** the flow rate readings are outside of the respective normal ranges, as specified by the manufacturer, ~~for any one reading~~ **the Permittee shall take reasonable response steps in accordance with Section C – Response to Excursions or Excursions**. A reading that is outside the normal range is not a deviation from this permit. Failure to take response steps in accordance with Section C - ~~Compliance Response Plan - Preparation, Implementation, Records, and Reports~~ **Response to Excursions or Exceedances**, shall be considered a deviation from this permit.

(c) The Permittee shall monitor the scrubbant flow rate at least once per hour of the scrubber controlling emissions from LA-51. The Permittee shall also average the previous ~~twelve~~ **twenty-four (24)** readings of the scrubbant flow rate once per ~~shift~~ **day**. If the average scrubbant flow rate (based on ~~twelve~~ **twenty-four (24)**, one-hour readings) is less than 100 gallons per minute, the Permittee shall take reasonable response steps in accordance with Section C - ~~Compliance Response Plan - Preparation, Implementation, Records, and Reports~~ **Response to Excursions or Exceedances**. An average scrubbant flow rate (based on ~~twelve~~ **twenty-four (24)**, one-hour readings) that is less than 100 gallons per minute is not a deviation from this permit. Failure to take response steps in accordance with Section C - ~~Compliance Response Plan - Preparation, Implementation, Records, and Reports~~ **Response to Excursions or Exceedances**, shall be considered a deviation from this permit.

(d) The instruments used for determining the pH~~,~~ **and** flow rate~~, and pressure drop~~ shall comply with Section C - ~~Pressure Gauge and Other~~ Instrument Specifications, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated at least once every six (6) months.

~~D.5.12 Scrubber Inspections~~

~~An inspection of the scrubbers controlling emissions from facilities LA-28, LA-29, LA-51 and LA-61 shall be performed semi-annually. Inspections required by this condition shall not be performed in consecutive months. Repairs or replacement of defective components shall be performed in accordance with the Preventive Maintenance Plan.~~

D.5.13 Scrubber ~~Malfunction~~ **Failure Detection [326 IAC 2-7-6(1)][326 IAC 2-7-5(1)]**

In the event that scrubber failure has been observed:

~~Failed units and the associated process will~~ **The feed to the process shall** be shut down immediately until the failed units have been repaired or replaced. **The emission unit shall be shut down no later than the completion of the processing of the material in the emission unit.** Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions). Failure to take response steps in accordance with Section C - ~~Compliance Response Plan - Preparation, Implementation, Records, and Reports~~ **Response to Excursions or Exceedances**, shall be considered a ~~violation~~ **deviation** of this permit.

D.5.14 Cyclone Failure Detection **[326 IAC 2-7-6(1)][326 IAC 2-7-5(1)]**

In the event that cyclone failure has been observed:

~~Failed units and the associated process will~~ **The feed to the process shall** be shut down immediately until the failed units have been repaired or replaced. **The emission unit shall be shut down no later than the completion of the processing of the material in the emission unit.** Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency

Provisions). Failure to take response steps in accordance with Section C - ~~Compliance Response Plan - Preparation, Implementation, Records, and Reports~~ **Response to Excursions or Exceedances**, shall be considered a ~~violation~~ **deviation** of this permit.

D.5.15 Afterburner Temperature [40 CFR 64]

(a) A continuous monitoring system shall be calibrated, maintained, and operated on the afterburner associated with furnace LA-28B for measuring operating temperature. For the purpose of this condition, continuous means no less than once per minute. The output of this system shall be recorded as a 3-hour average. From the date of issuance of this permit until the approved stack test results are available, the Permittee shall operate the afterburner associated with furnace LA-28B at or above the 3-hour average temperature of 1,400°F.

(b) The Permittee shall determine the 3-hour average temperature from the most recent valid stack test that demonstrates compliance with limits in Conditions D.5.1(f) and D.5.4(b), as approved by IDEM.

(c) On and after the date the approved stack test results are available, the Permittee shall operate the afterburner associated with furnace LA-28B at or above the 3-hour average temperature as observed during the compliant stack test.

~~D.5.15~~ **D.5.16** Record Keeping Requirements

(a) To document compliance with Condition D.5.1**(c)**, the Permittee shall maintain records of the total pounds of steam vented per calendar month. **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).**

. . .

(c) To document compliance with Condition ~~D.5.7~~**D.5.9(a)**, the Permittee shall maintain records of the once per ~~shift~~ **day** visible emission notations of the stack exhaust from LA-29, LA-28**, LA-28B,** and LA-51. **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).**

(d) To document compliance with Condition ~~D.5.7~~**D.5.9(b)**, the Permittee shall maintain records of the once per day visible emission notations of the stack exhaust from LA-31(stack 20A), LA-31(stack 20B), and LA-32. **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) To document compliance with Condition ~~D.5.8~~**D.5.10**, the Permittee shall maintain records of the once per day pressure drop readings. **The Permittee shall include in its daily record when a pressure drop reading is not taken and the reason for the lack of pressure drop reading (e.g. the process did not operate that day).**

~~(f) To document compliance with Conditions D.5.9 and D.5.12, the Permittee shall maintain records of the results of the inspections.~~

~~(g)~~**(f)** To document compliance with Condition ~~D.5.11~~ **D.5.12**, the Permittee shall maintain:

(1) Once per ~~shift~~ **day** records of the scrubbing liquid pH and scrubber recirculation rate of the scrubber controlling emissions from LA-61. **The Permittee shall include in its daily record when the pH and scrubber recirculation rate reading are not taken and the reason for the lack of pH reading and recirculation rate reading (e.g. the process did not operate that day).**

(2) Once per ~~shift~~ **day** records of the scrubber recirculation rate of the scrubbers controlling emissions from LA-28**, LA-28B,** and LA-29. **The Permittee shall include in its daily record when a scrubber recirculation rate reading is not**

taken and the reason for the lack of recirculation rate reading (e.g. the process did not operate that day).

(3) Hourly scrubbant flow rate readings of the scrubber controlling emissions from LA-51.

(4) Once per ~~shift~~ **day** average scrubbant flow rate of the scrubber controlling emissions from LA-51 based on ~~twelve~~ **twenty-four (24)** one-hour readings.

(g) To document compliance with Condition D.5.15, the Permittee shall maintain continuous temperature records for the afterburner associated with furnace LA-28B and the 3-hour average temperature used to demonstrate compliance during the most recent compliant stack test.

~~(h) To document compliance with Condition D.5.4, the Permittee shall maintain of records of any additional inspections prescribed by the Preventive Maintenance Plan.~~

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

~~D.5.16~~ **D.5.17** Reporting Requirements

D.6.1 Prevention of Significant Deterioration [326 IAC 2-2] ~~[40 CFR 52.21]~~

. . .

Compliance with these limitations will satisfy the requirements of ~~40 CFR 52.21 and~~ 326 IAC 2-2 (Prevention of Significant Deterioration).

D.6.5 Visible Emissions Notations

(a) Visible emission notations of the stack exhaust from LA-55, LA-56, LA-42A (stack 30A), LA-42A (stack 30B), LA-42B (stack 31A) and LA-42B (stack 31B) shall be performed once per ~~shift~~ **day** during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.

. . .

(f) ~~The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for~~ ~~when an~~ **If** abnormal emission**s** ~~is~~ **are** observed**, the Permittee shall take reasonable response steps in accordance with Section C – Response to Excursions or Exceedances**. Failure to take response steps in accordance with Section C - ~~Compliance Response Plan - Preparation, Implementation, Records, and Reports~~ **Response to Excursions or Exceedances**, shall be considered a deviation from this permit.

D.6.6 Parametric Monitoring

(a) The Permittee shall record the ~~total static~~ pressure drop across the baghouses used in conjunction with LA-42A (stack 30A) and LA-42A (stack 30B) at least once per ~~shift~~ **day** when the facilities are in operation. When for any one reading or observance, the pressure drop across the baghouse is outside the normal range of 3.0 and 6.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C - ~~Compliance Response Plan - Preparation, Implementation, Records, and Reports~~ **Response to Excursions or Exceedances**. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - ~~Compliance Response Plan - Preparation, Implementation, Records, and Reports~~ **Response to Excursions or Exceedances**, shall be considered a deviation from this permit.

(b) The Permittee shall record the ~~total static~~ pressure drop across the baghouses used in conjunction with LA-33, LA-34, LA-35, LA-36, LA-37, and LA-38 at least once per day

when the facilities are in operation. When for any one reading or observance, the pressure drop across the baghouse is outside the normal range of 3.0 and 6.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C - ~~Compliance Response Plan - Preparation, Implementation, Records, and Reports~~ **Response to Excursions or Exceedances**. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - ~~Compliance Response Plan - Preparation, Implementation, Records, and Reports~~ **Response to Excursions or Exceedances**, shall be considered a deviation from this permit.

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

~~D.6.7 Baghouse Inspections~~

~~(a) An external inspection of all bags, controlling particulate emissions from facilities LA-42A (stack 30A) and LA-42A (stack 30B), shall be performed at least once per calendar quarter. Inspections required by this condition shall not be performed in consecutive months. All defective bags shall be replaced.~~

~~(b) An internal inspection of all bags, controlling particulate emissions from facilities LA-42A (stack 30A), LA-42A (stack 30B), LA-33, LA-34, LA-35, LA-36, LA-37, and LA-38, shall be performed at least once per calendar year. Inspections required by this condition shall not be performed in consecutive months. All defective bags shall be replaced.~~

~~(c) Inspections shall also be performed whenever the respective baghouse is out of service for more than 24 consecutive hours. However, an inspection is not required if one has been conducted within the previous two months. All defective bags shall be replaced.~~

~~D.6.8~~ **D.6.7** Broken or Failed Bag Detection

~~In the event that bag failure has been observed:~~

~~(a) For multi-compartment units, the affected baghouse compartments will be shut down immediately until the failed units have been repaired or replaced. Within eight (8) business hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) business hours of discovery of the failure and shall include a timetable for completion. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a deviation from this permit. If operations continue after bag failure is observed and it will be ten (10) days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.~~

~~(b)~~**(a)** For **a** single compartment baghouse~~s~~ **controlling emissions from a process operated continuously**, ~~if failure is indicated by a significant drop in the baghouse=s pressure readings with abnormal visible emissions or the failure is indicated by an opacity violation, or if bag failure is determined by other means, such as gas temperatures, flow rates, air infiltration, leaks, dust traces or triboflows, then~~ **a** failed unit~~s~~ and the associated process **shall** be shut down immediately until the failed unit~~s~~ ~~have~~ **has** been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

(b) For a single compartment baghouse controlling emissions from a batch process, the feed to the process shall be shut down immediately until the failed unit has been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in the line. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

Bag failure can be indicated by a significant drop in the baghouse=s pressure reading with abnormal visible emissions, by an opacity violation, or by other means such as gas temperature, flow rate, air infiltration, leaks, dust traces or triboflows.

~~D.6.9 Rotoclone Inspections~~

~~An inspection shall be performed at least annually of all rotocyclones controlling LA-55 and LA-56. Inspections required by this condition shall not be performed in consecutive months.~~

~~D.6.10~~ **D.6.8** Rotoclone Failure Detection

In the event that rotoclone failure has been observed:

~~Failed units and the associated process will~~ **The feed to the process shall** be shut down immediately until the failed units have been repaired or replaced. **The emission unit shall be shut down no later than the completion of the processing of the material in the emission unit.** Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions). Failure to take response steps in accordance with Section C - ~~Compliance Response Plan - Preparation, Implementation, Records, and Reports~~ **Response to Excursions or Exceedances**, shall be considered a deviation from this permit.

~~D.6.11~~ **D.6.9** Record Keeping Requirements

(a) To document compliance with Condition D.6.5, the Permittee shall maintain records of the once per ~~shift~~ **day** visible emission notations from LA-42A (stack 30A) and LA-42A (stack 30B), LA-42B (stack 31A) and LA-42B (stack 31B). **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).**

(b) To document compliance with Condition D.6.5, the Permittee shall maintain records of the once per day visible emission notations from LA-33, LA-34, LA-35, LA-36, LA-37, and LA-38. **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).**

(c) To document compliance with Condition D.6.6, the Permittee shall maintain records of the ~~total static~~ pressure drop readings ~~during normal operation~~ **once per day**. **The Permittee shall include in its daily record when a pressure drop reading is not taken and the reason for the lack of pressure drop reading (e.g. the process did not operate that day).**

~~(d) To document compliance with Conditions D.6.7 and D.6.9, the Permittee shall maintain records of the results of the inspections.~~

~~(e) To document compliance with Condition D.6.3, the Permittee shall maintain of records of any additional inspections prescribed by the Preventive Maintenance Plan.~~

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

OFFICE OF AIR QUALITY
COMPLIANCE BRANCH
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
Phone: 317-233-~~5674~~ 0178
Fax: 317-233-~~5967~~ 6865

PART 70 OPERATING PERMIT
EMERGENCY OCCURRENCE REPORT

Source Name:	Tate & Lyle, Lafayette South
Source Address:	3300 U.S. 52 South, Lafayette, Indiana, 47905
Mailing Address:	2200 East Eldorado Street, Decatur, Illinois 62525
Part 70 Permit No.:	T157-6008-00033

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-~~5674~~ **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-~~5967~~ **6865**), and follow the other requirements of 326 IAC 2-7-16.

~~**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT**~~
~~**OFFICE OF AIR QUALITY**~~
~~**Compliance Data Section**~~

~~**Part 70 Quarterly Report**~~

~~Source Name:~~	~~Tate & Lyle, Lafayette South~~
~~Source Address:~~	~~3300 U.S. 52 South, Lafayette, Indiana, 47905~~
~~Mailing Address:~~	~~2200 East Eldorado Street, Decatur, Illinois 62525~~
~~Part 70 Permit No.:~~	~~T157-6008-00033~~
~~Facility:~~	~~LA 15~~
~~Parameter:~~	~~Amount of fuel oil consumed (gallons per 12 consecutive month period)~~
~~Limit:~~	~~1,662,480 gallons per 12 consecutive month period with compliance determined for the end of each month.~~

~~YEAR: _____~~

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

~~☐ No deviation occurred in this quarter.~~

~~☐ Deviation/s occurred in this quarter.~~
~~Deviation has been reported on:~~ _____

~~Submitted by:~~ _____
~~Title / Position:~~ _____
~~Signature:~~ _____
~~Date:~~ _____
~~Phone:~~ _____

~~Attach a signed certification to complete this report.~~

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

Part 70 Quarterly Report

Source Name:	Tate & Lyle, Lafayette South
Source Address:	3300 U.S. 52 South, Lafayette, Indiana, 47905
Mailing Address:	2200 East Eldorado Street, Decatur, Illinois 62525
Part 70 Permit No.:	T157-6008-00033
Facility:	LA-8, LA-17A, ~~LA-15,~~ LA-46, LA-47 and LA-28.
Parameter:	Sulfur dioxide emissions
Limit:	0.5 pounds per MMBtu of heat input

…

Conclusion

The construction of this proposed modification shall be subject to the conditions of the attached proposed Part 70 Significant Source Modification No.157-24835-00033 and the operation of this proposed modification shall be subject to the conditions of the attached Significant Permit Modification No. 157-24984-00033. The staff recommends to the Commissioner that this Part 70 Significant Source Modification and Significant Permit Modification be approved.

Appendix A: Emission Calculations
Criteria Pollutants
From The Natural Gas-Fired Carbon Reactiviation Furnace LA-28B

Company Name: Tate & Lyle, Lafayette South
Address: 3300 U.S. 52 South, Lafayette, IN 47905-7977
SPM: 157-24984-00033
Reviewer: ERG/YC
Date: August 8, 2007

Heat Input Capacity
MMBtu/hr

15.0

	Pollutant					
	PM	PM10	SO_2	NO_x	VOC	CO
Emission Rate in lbs/hr*	1.0	1.0	3.0	3.0	1.0	5.0
Potential to Emit After Control in tons/yr	**4.38**	**4.38**	**13.1**	**13.1**	**4.38**	**21.9**
Control Efficiency**	**96.3%**	**96.3%**	**50%**	**0%**	**90%**	**90%**
Potential to Emit Before Control in tons/yr	**118**	**118**	**26.3**	**13.1**	**43.8**	**219**

* The emission rate information was provided by the vendor during the installation of a similarly sized carbon furnace at Tate & Lyle's Loudon Tennessee plant. These emission rates will be verified by stack testing.
** This unit is controlled by an afterburner and a wet scrubber. The control efficiencies were estimated by the source.

Methodology

Potential to Emit After Control (tons/yr) = Emission Rate (lbs/hr) x 8760 hrs/yr x 1 ton/2000 lbs
Potential to Emit Before Control (tons/yr) = Potential to Emit After Control (tons/yr) / (1-Control Efficiency)

Appendix A: Emission Calculations
HAP Emissions
From The Natural Gas-Fired Carbon Reactiviation Furnace LA-28B

Company Name: Tate & Lyle, Lafayette South
Address: 3300 U.S. 52 South, Lafayette, IN 47905-7977
SPM: 157-24984-00033
Reviewer: ERG/YC
Date: August 8, 2007

Heat Input Capacity MMBtu/hr	Potential Throughput MMSCF/yr
15.0	129

	Pollutant					
	Hexane	Formaldehyde	Toluene	Benzene	Nickel	Total HAPs
Emission Factor in lbs/MMSCF	1.8E+00	7.5E-02	3.4E-03	2.1E-03	2.1E-03	1.89
Potential to Emit in tons/yr	**0.12**	**4.83E-03**	**2.19E-04**	**1.35E-04**	**1.35E-04**	**0.12**

Emission factors are from AP-42, Chapter 1.4, Tables 1.4-3 and 1.4-4 (AP-42, 07/98).

All emission factors are based on normal firing.
MMBtu = 1,000,000 Btu
MMSCF = 1,000,000 Standard Cubic Feet of Gas

Methodology

Potential Throughput (MMSCF) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMSCF/1,020 MMBtu
PTE (tons/yr) = Potential Throughput (MMSCF/yr) x Emission Factor (lbs/MMSCF) x 1 ton/2000 lbs

Appendix A: Emission Calculations
PM/PM10 Emissions
From the Wet Scrubber Assoicated with Krystar Dryer/Cooler (LA-51)

Company Name: **Tate & Lyle, Lafayette South**
Address: **3300 U.S. 52 South, Lafayette, IN 47905-7977**
SPM: **157-24984-00033**
Reviewer: **ERG/YC**
Date: **August 8, 2007**

Process Description:

PM Control Equipment:	Wet Scrubber 53L606	
Grain Loading:	0.02	grains/dscf
Air Flow Rate:	4,500	dscf/min
Control Efficiency:	99.0%	

1. Potential to Emit After Control:

Assume all the PM emissions are equal to PM10 emissions.

Hourly PM/PM10 Emissions	= 0.02 (gr/dscf) x 4,500 (dscf/min) x 60 (mins/hr) x 1/7000 (lbs/gr) =	**0.77**	**lbs/hr**
Annual PM/PM10 emissions	= 0.77 lbs/hr x 8760 hrs/yr x 1 ton/2000 lbs =	**3.38**	**tons/yr**

2. Potential to Emit Before Control:

PTE of PM/PM10 Before Control	= 3.38 tons/yr / (1-99% Control Efficiency) =	**338**	**tons/yr**

Indiana Department of Environmental Management
Office of Air Quality

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

Appendix B
Best Available Control Technology (BACT) Determinations

Source Background and Description

Source Name:	Tate & Lyle, Lafayette South
Source Location:	3300 U.S. 52, Lafayette, Indiana 47905
County:	Tippecanoe
SIC Code:	2046
Operation Permit No.:	157-6008-00033
Operation Permit Issuance Date:	June 28, 2004
Source Modification No.:	157-24835-00033
Permit Modification No.:	157-24984-00033
Permit Reviewer:	ERG/YC

The Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) has performed the following Best Available Control Technology (BACT) review for the proposed natural gas-fired Carbon Reactivation Furnace, identified as Unit ID LA-28B.

Pursuant to 326 IAC 8-1-6 (New Facilities; General Reduction Requirements), BACT is required for all facilities constructed after January 1, 1980 that have potential VOC emissions of equal to or greater than twenty-five (25) tons per year and are not regulated by other rules in 326 IAC 8. Based on the calculations (see Appendix A) and the analysis of applicable state regulations (see State Rule Applicability section of TSD), the proposed furnace LA-28B at this source is subject to the requirements of 326 IAC 8-1-6.

IDEM, OAQ conducts BACT analyses in accordance with the *"Top-Down" Best Available Control Technology Guidance Document* outlined in the 1990 draft US EPA *New Source Review Workshop Manual*, which outlines the steps for conducting a top-down BACT analysis. Those steps are listed below:

(a) Identify all potentially available control options;

(b) Eliminate technically infeasible control options;

(c) Rank remaining control technologies by control effectiveness;

(d) Evaluate the most effective controls and document the results as necessary; and

(e) Select BACT.

In accordance with EPA guidance, the BACT analysis should take into account the energy, environmental, and economic impacts. Emission reductions may be achieved through the application of available control techniques, changes in process design, and/or operational limitations. These BACT determinations are based on the following information:

(a) The BACT analysis information submitted by the Permittee on August 2, 2007;

(b) Information from vendors/suppliers;

(c) The EPA RACT/BACT/LAER (RBLC) Clearinghouse; and

(d) State and local air quality permits.

Step 1 – Identify Control Options

The following available technologies were identified and evaluated to control VOC emissions:

1. Carbon Adsorption:

   Carbon adsorption is a process by which VOC is retained on a granular carbon surface, which is highly porous and has a very large surface-to-volume ratio. Organic vapors retained on the adsorbent are thereafter desorbed and both the adsorbate and absorbent are recovered.

   Carbon adsorption systems operate in two phases: adsorption and desorption. Adsorption is rapid and removes most of the VOC in the stream. Eventually, the adsorbent becomes saturated with the vapors and the system's efficiency drops. Regulatory considerations dictate that the adsorbent be regenerated or replaced soon after efficiency begins to decline. In regenerative systems, the adsorbent is reactivated with steam or hot air and the absorbate (solvent) is recovered for reuse or disposal. Non-regenerative systems require the removal of the adsorbent and replacement with fresh or previously regenerated carbon.

2. Wet Scrubbers:

   A wet scrubber is an absorption system in which the waste stream is dissolved in a solvent by passing it through a medium containing the solvent. Water is the most commonly used solvent. However, other solvents may be used dependent upon the components of the waste stream.

3. Thermal Oxidation or Afterburner:

   An efficient thermal oxidizer design must provide adequate residence time for complete combustion, sufficiently high temperatures for VOC destruction, and adequate velocities to ensure proper mixing without quenching combustion. The type of burners and their arrangement affect combustion rates and residence time. The more thorough the contact between the flame and VOC, the shorter the time required for complete combustion. Natural gas is required to ignite the flue gas mixtures and maintain combustion temperatures. Typically, a heat exchanger upstream of the oxidizer uses the heat content of the oxidizer flue gas to preheat the incoming VOC-laden stream to improve the efficiency of the oxidizer. An afterburner is considered a thermal oxidizer.

   Of all the VOC control technologies evaluated, thermal oxidization is the one whose VOC reduction efficiency is least affected by waste stream characteristics. A properly designed thermal oxidizer can handle almost all solvent mixtures (except for fluorinated or chlorinated solvents) and VOC concentrations. In addition to the energy penalty associated with thermal oxidization, NOx emissions will be generated from the combustion of natural gas used to fuel the oxidizer. A thermal oxidizer normally provides a VOC destruction efficiency of at least 98%.

4. Catalytic Oxidation:

   In a catalytic oxidizer, a catalyst is used to lower the activation energy for oxidation. When a preheated gas stream is passed through a catalytic oxidizer, the catalyst bed initiates and promotes the oxidation of the VOC without being permanently altered itself. In catalytic oxidization, combustion occurs at significantly lower temperatures than that of direct flame units and can also achieve a destruction efficiency of 98%. However, steps must be taken to ensure complete combustion. The types of catalysts used include platinum, platinum alloys, copper

chromate, copper oxide, chromium, manganese, and nickel. These catalysts are deposited in thin layers on an inert substrate, usually a honeycomb shaped ceramic.

5. Flare:

Flares can be used to control almost any VOC stream and can handle fluctuations in VOC concentration, flow rate, heat content, and inert content. Flaring is appropriate for continuous, batch, and variable flow vent stream application. Some streams, such as those containing halogenated or sulfur-containing compounds, are usually not flared because they corrode the flare tip or cause formation of secondary pollutants (such as acid gases or sulfur dioxide). A flare normally provides a VOC destruction efficiency greater than 98%.

6. Refrigeration Condenser:

Condensation is the process by which the temperature of the waste stream is lowered to below the boiling points of the waste constituents. A refrigeration condenser normally provides a VOC control efficiency of greater than 90%.

Step 2 – Eliminate Technically Infeasible Control Options

After reviewing the above technologies, IDEM, OAQ has determined that carbon adsorption and refrigeration condenser are not technically feasible due to the low VOC concentration in the exhaust streams from the proposed carbon reactivation furnace (LA-28B).

Step 3 – Rank Remaining Control Technologies by Control Effectiveness

Using the control efficiencies reported for similar sources, IDEM, OAQ has ranked the remaining control technologies as follows:

Control Technology	Control Efficiency (%)
Thermal Oxidizer/Afterburner	98% and 10 ppm
Catalytic Oxidizer	98%
Flare	98%
Wet Scrubber	98%

Step 4 – Evaluate the Most Effective Controls and Document Results

All of the following control methods provide a VOC control efficiency of at least 98%:

1. A thermal oxidizer;
2. A catalytic oxidizer; and
3. A flare.

A search of EPA's RACT/BACT/LAER Clearinghouse (RBLC) for SIC Code of 2046 (corn wet milling process) and carbon reactivation furnaces identified the following:

Plant	PBLD ID	Date Issued and State	Facility	BACT Requirements
Archer Daniels Midland Company	IL-0085	11/27/02 (IL)	Carbon Furnaces	Oxidizer System 98% Efficiency VOC < 10 ppm and 35 tons/yr
Cargill - Blair Plant	NE-0024	06/22/04 (NE)	Refinery Carbon Regenerator	VOC < 0.039 lbs/hr

Step 5 – Select BACT

The Permittee proposes to use an afterburner, which is equivalent to a thermal oxidizer, to control the VOC emissions from the proposed carbon reactivation furnace LA-28B. The VOC emission limit of 0.039 lbs/hr for the Cargill - Blair Plant at Nebraska was established using the VOC emission factor in AP-42 for natural gas-fired boilers and the maximum heat input capacity for the furnace at Cargill (14 MMBtu/hr).

The Permittee stated that complete combustion is not achievable for reactivation furnaces and the additional VOC generated from the spent carbon was not included in the VOC limit for the furnace at Cargill. The Permittee stated that the VOC emission limit of 0.039 lbs/hr is not achievable for Tate & Lyle because (1) the furnace proposed at Tate & Lyle has a higher maximum heat input capacity; (2) higher VOC emissions than the emission factors in AP-42 for natural gas-fired boilers are expected when the combustion conditions in the furnace are not ideal; (3) the VOC emissions generated from the reactivation process should be included in the VOC emission limit. Therefore, the VOC emission limit of 0.039 lbs/hr for Cargill is not representative for carbon reactivation furnaces.

Pursuant to 326 IAC 8-1-6, IDEM, OAQ has determined that the following requirements represent BACT for carbon reactivation furnace LA-28B at this source:

(a) The VOC emissions from the furnace LA-28B shall be controlled by an afterburner.

(b) The VOC emissions from the furnace LA-28B stack (Stack 33B) shall not exceed 1.0 lb/hr.

(c) The overall VOC control efficiency for the afterburner (including the capture efficiency and destruction efficiency) shall be at least 98%, or the VOC outlet concentration shall not exceed 10 ppmv.