INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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Mitchell E. Daniels, Jr.
Governor

Thomas W. Easterly
Commissioner

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

TO: Interested Parties / Applicant

DATE: March 14, 2007

RE: Carmeuse Lime, Inc / 089-23753-00112

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.

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

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Mr. Randall Boisvert
3245 East 103rd Street
Chicago, Illinois, 60617

March 14, 2007

Re: 089-23753-00112
First Significant Permit Modification to:
Part 70 permit No.: T089-6140-00112

Dear Mr. Boisvert:

Carmeuse Lime, Inc. was issued Part 70 operating permit T089-6140-00112 on June 29, 2004 for a stationary lime manufacturing plant. A letter requesting changes to this permit was received on August 14, 2006. Pursuant to the provisions of 326 IAC 2-7-12, a significant permit modification to this permit is hereby approved as described in the attached Technical Support Document. The following emission units are approved for operation at the source:

(a) One (1) Lime Transfer System #1, identified as EU-40/41, approved for construction in 2006, with a maximum capacity of 55 tons of lime per hour, consisting of a hopper, piping and storage tank T4, for transporting lime using high pressure pneumatic conveyance methods, with emissions controlled by bin vent filters, identified as Vent ALG-490 and Vent ALG-430, respectively.

(b) One (1) Lime Transfer System #2, identified as EU-42/43, approved for construction in 2006, with a maximum capacity of 80 tons of lime per hour, consisting of a hopper, piping and storage tank T1A, for transporting lime using high pressure pneumatic conveyance methods, with emissions controlled by bin vent filters, identified as Vent ALG-470 and Vent ALG-410, respectively.

Sections A, B and C of the permit have also been changed by IDEM to incorporate rule changes and updates to conditions in the permit. 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 Mr. Stephen Treimel, ERG, 1600 Perimeter Park Drive, Morrisville, North Carolina 27560, or call (919) 468-7902 to speak directly to Mr. Treimel. Questions may also be directed to Duane Van Laningham at IDEM, OAQ, 100 North Senate Avenue, 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/ST

cc: File - Lake County
U.S. EPA, Region V
Lake County Health Department
Gary Department of Environmental Affairs
Northwest Regional Office
Air Compliance Section Inspector - Rick Massoels
Compliance Data Section
Administrative and Development
Technical Support and Modeling - Michele Boner

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PART 70 SIGNIFICANT PERMIT MODIFICATION
OFFICE OF AIR QUALITY

Carmeuse Lime, Inc.
One North Carmeuse Drive
Gary, Indiana 46402

(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 re-issuance, 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. This permit also addresses certain New Source Review requirements for existing equipment and is intended to fulfill the new source review procedures pursuant to 326 IAC 2-7-10.5, applicable to those conditions.

Operation Permit No.: T089-6140-00112	
Issued by: Janet G. McCabe, Assistant Commissioner Office of Air Quality	Issuance Date: June 29, 2004 Expiration Date: June 29, 2009

First Administrative Amendment No.: 089-20318-00112, issued February 28, 2006
First Minor Source Modification No.: 089-23502-00112, issued on November 17, 2006

First Significant Permit Modification No. 089-23753-00112	Pages Affected: Entire Permit
Original signed by: Nisha Sizemore, Chief Permits Branch Office of Air Quality	Issuance Date: March 14, 2007 Expiration Date: June 29, 2009

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SECTION A SOURCE SUMMARY

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

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

The Permittee owns and operates a stationary lime manufacturing plant.

Source Address:	One North Carmeuse Drive, Gary, Indiana 46402
Mailing Address:	One North Carmeuse Drive, Gary, Indiana 46402
Source Phone Number:	773-978-5349
SIC Code:	3274
County Location:	Lake
Source Location Status:	Nonattainment for $PM_{2.5}$ and 8-hour ozone standards Attainment for all other criteria pollutants
Source Status:	Part 70 Permit Program Major Source under PSD and Emission Offset Rules Major Source under Section 112 of the Clean Air Act 1 of 28 Source Categories

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

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

Lime Production

(a) One (1) coal-fired Allis Chalmers Rotary Kiln equipped with a Contact Cooler; identified as EU-1; constructed in 1966; a maximum capacity of 8.2 tons of coal per hour, 47.8 tons of limestone per hour, and 23.3 tons of lime per hour; a maximum heat input capacity of 213 MMBtu/hr; emissions controlled by baghouse CE-1; exhausting to stacks S-1A through S-1F.

(b) One (1) coal-fired Allis Chalmers Rotary Kiln equipped with a Contact Cooler; identified as EU-2; constructed in 1966; a maximum capacity of 8.2 tons of coal per hour, 47.8 tons of limestone per hour, and 23.3 tons of lime per hour; a maximum heat input capacity of 213 MMBtu/hr; emissions controlled by baghouse CE-2; exhausting to stacks S-2A through S-2F.

(c) One (1) coal-fired Allis Chalmers Rotary Kiln equipped with a Contact Cooler; identified as EU-3; constructed in 1968; a maximum capacity of 8.2 tons of coal per hour, 47.8 tons of limestone per hour, and 23.3 tons of lime per hour; a maximum heat input capacity of 213 MMBtu/hr; emissions controlled by baghouse CE-3; exhausting to stacks S-3A through S-3F.

(d) One (1) coal-fired Allis Chalmers Rotary Kiln equipped with a Contact Cooler; identified as EU-4; constructed in 1972; a maximum capacity of 8.2 tons of coal per hour, 47.8 tons of limestone per hour, and 23.3 tons of lime per hour; a maximum heat input capacity of 213 MMBtu/hr; emissions controlled by baghouse CE-4; exhausting to stacks S-4A through S-4F.

(e) One (1) coal-fired Allis Chalmers Rotary Kiln equipped with a Contact Cooler; identified as EU-5; constructed in 1972; a maximum capacity of 8.2 tons of coal per hour, 47.8 tons of limestone per hour, and 23.3 tons of lime per hour; a maximum heat input capacity of 213

MMBtu/hr; emissions controlled by baghouse CE-5; exhausting to stacks S-5A through S-5F.

Lime Processing and Handling

(f) One (1) Lime Grinder; identified as EU-15; constructed in 1972; a maximum capacity of 80 tons of lime per hour; emissions controlled by baghouse CE-6; exhausting to stack S-6.

(g) One (1) Grinding Mill #1; identified as EU-13; constructed in 1972; a maximum capacity of 40 tons of lime per hour; emissions controlled by baghouse CE-8; exhausting to stack S-8.

(h) One (1) Grinding Mill #2; identified as EU-12; constructed in 1972; a maximum capacity of 40 tons of lime per hour; emissions controlled by baghouse CE-7; exhausting to stack S-7.

(i) One (1) Pugmill #1; identified as EU-18; constructed in 1985; a maximum capacity of 15.14 tons of lime per hour; emissions controlled by baghouse CE-19; exhausting to stacks S-19.

(j) One (1) Pugmill # 2; identified as EU-19; constructed in 1985; a maximum capacity of 15.14 tons of lime per hour; emissions controlled by baghouse CE-20; exhausting to stack S-20.

(k) One (1) Lime Handling System #1; identified as EU-6; constructed in 1972; a maximum capacity of 100 tons of lime per hour; emissions controlled by baghouse CE-14; exhausting to stack S-14.

(l) One (1) Lime Handling System #2; identified as EU-7; constructed in 1966; a maximum capacity of 100 tons of lime per hour; emissions controlled by baghouse CE-15; exhausting to stack S-15.

(m) One (1) Lime Transfer System #1, identified as EU-40/41, approved for construction in 2006, with a maximum capacity of 55 tons of lime per hour, consisting of a hopper, piping and storage tank T4, for transporting lime using high pressure pneumatic conveyance methods, with emissions controlled by bin vent filters, and exhausting to stacks S-40 (ALG-490) and S-41 (ALG-430), respectively.

(n) One (1) Lime Transfer System #2, identified as EU-42/43, approved for construction in 2006, with a maximum capacity of 80 tons of lime per hour, consisting of a hopper, piping and storage tank T1A, for transporting lime using high pressure pneumatic conveyance methods, with emissions controlled by bin vent filters, and exhausting to stacks S-42 (ALG-470) and S-43 (ALG-410), respectively.

Lime Storage and Loadout

(o) One (1) Lime Storage System; identified as EU-24; constructed prior to 1977; consisting of six lime storage tanks; emissions controlled by baghouse CE-14; exhausting to stack S-14.

(p) One (1) Lime Storage System; identified as EU-14; constructed prior to 1977; consisting of eight lime storage tanks; emissions controlled by baghouse CE-6; exhausting to stack S-6.

(q) One (1) Truck & Rail Lime Loadout #3; identified as EU-8; constructed in 1972; a maximum capacity of 200 tons of lime per hour; emissions controlled by baghouse CE-13; exhausting to stack S-13.

(r) One (1) Truck Lime Loadout #4; identified as EU-9; constructed in 1994; a maximum capacity of 200 tons of lime per hour; emissions controlled by baghouse CE-17; exhausting to stack S-17.

(s) One (1) Truck Flue Dust Loadout #2; identified as EU-16; constructed in 1966; a maximum capacity of 28 tons of dust per hour; emissions controlled by baghouse CE-9; exhausting to stack S-9.

(t) One (1) Truck Flue Dust Loadout #1; identified as EU-17; constructed in 1966; a maximum capacity of 32 tons of dust per hour; emissions controlled by baghouse CE-10; exhausting to stack S-10.

(u) One (1) Rail Lime Loadout #2; identified as EU-28; constructed in 1972; a maximum capacity of 200 tons of lime per hour; emissions controlled by baghouse CE-14; exhausting to stack S-14.

(v) One (1) Truck Loadout Station; identified as EU-11; constructed prior to 1977; a maximum capacity of 300 tons of lime per hour; emissions controlled by baghouse CE-25; exhausting to stack S-25.

(w) One (1) Rail Re-Screen Loadout #2; identified as EU-25; constructed in 1996; a maximum capacity of 200 tons of lime per hour; emissions controlled by baghouse CE-25; exhausting to stack S-25.

(x) One (1) Truck Transfer Station Reclaim Hopper; identified as EU-32; constructed in 1972 and modified in 2003; a maximum capacity of 100 tons of lime per hour; emissions controlled by baghouse CE-32; exhausting to stack S-32.

Raw material Storage and Handling (Fugitive)

(y) One (1) Coal Storage Pile; identified as EU-22; a capacity of greater than 3.5 acres; a source of fugitive emissions.

(z) Two (2) Limestone Storage Piles; identified as EU-23 and EU-29; each a capacity of greater than 9.5 acres; a source of fugitive emissions.

(aa) Coal Unloading and Processing operations; identified as EU-30; consisting of truck and rail unloading and assorted conveyors; a source of fugitive emissions.

(bb) Limestone Unloading and Processing operations; identified as EU-31; consisting of barge unloading and assorted conveyors; a source of fugitive emissions.

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) Vehicular traffic on paved and unpaved roads, and parking lots with public access. [326 IAC 6-4] [326 IAC 6-1-11.1]

(b) 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 SO_2; 5 lb/hr or 25 lb/day NO_x; 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: Assorted covered limestone conveyors; [326 IAC 6-1-2]

(c) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) Btu per hour: Two (2) boilers with heat input capacities of 0.42 and 0.035 MMBtu per hour. [326 IAC 6-1-2(b)(3)]

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, 089-6140-00112, is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

(a) Where specifically designated by this permit or required by an applicable requirement, any application form, report, or compliance certification submitted shall contain certification by the "responsible official" of truth, accuracy, and completeness. This certification shall

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

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

(c) 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 April 15 of each year to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue
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
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, and Northwest Regional Office within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

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

Telephone Number: 317-233-0178 (ask for Compliance Section)
Facsimile Number: 317-233-6865

and

Northwest Regional Office
Telephone Number: (219) 757-0265;
Facsimile Number: (219) 757-0267**.**

(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
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 089-6140-00112 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.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
Indianapolis, Indiana 46204-2251

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

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

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

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

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

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

(1) That this permit contains a material mistake.

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

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

(c) Proceedings by IDEM, OAQ to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-7-9(b)]

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

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

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

Request for renewal shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

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

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

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

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

B.18 Permit Amendment or Modification [326 IAC 2-7-11][326 IAC 2-7-12][40 CFR 72]

(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
Indianapolis, Indiana 46204-2251

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

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

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

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

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

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

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

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

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

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

(4) The Permittee notifies the:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

and

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

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

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

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

(b) The Permittee may make Section 502(b)(10) of the Clean Air Act changes (this term is defined at 326 IAC 2-7-1(36)) without a permit revision, subject to the constraint of 326

IAC 2-7-20(a). For each such Section 502(b)(10) of the Clean Air Act change, the required written notification shall include the following:

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

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

(3) Any change in emissions; and

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

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

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

(d) Alternative Operating Scenarios [326 IAC 2-7-20(d)]
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-7-5(9). No prior notification of IDEM, OAQ, or U.S. EPA is required.

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

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

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

(b) Any modification at an existing major source is governed by the requirements of 326 IAC 2-2 and/or 326 IAC 2-3 (for sources located in NA areas).

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
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 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 twenty percent (20%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.

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

C.2 Open Burning [326 IAC 4-1] [IC 13-17-9]

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

C.3 Incineration [326 IAC 4-2] [326 IAC 9-1-2]

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

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

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

C.5 Fugitive Dust Emissions [326 IAC 6.8-10-3] [326 IAC 6.8-11]

Pursuant to 326 IAC 6.8-10-3 (formerly 326 IAC 6-1-11.1) (Lake County Fugitive Particulate Matter Control Requirements), the particulate matter emissions from source wide activities shall meet the following requirements:

(a) The average instantaneous opacity of fugitive particulate emissions from a paved road shall not exceed ten percent (10%).

(b) The average instantaneous opacity of fugitive particulate emissions from an unpaved road shall not exceed ten percent (10%).

(c) The average instantaneous opacity of fugitive particulate emissions from batch transfer shall not exceed ten percent (10%).

(d) The opacity of fugitive particulate emissions from continuous transfer of material onto and out of storage piles shall not exceed ten percent (10%) on a three (3) minute average.

(e) The opacity of fugitive particulate emissions from storage piles shall not exceed ten percent (10%) on a six (6) minute average.

(f) There shall be a zero (0) percent frequency of visible emission observations of a material during the in plant transportation of material by truck or rail at any time.

(g) The opacity of fugitive particulate emissions from the in plant transportation of material by front end loaders and skip hoists shall not exceed ten percent (10%).

(h) There shall be a zero (0) percent frequency of visible emission observations from a building enclosing all or part of the material processing equipment, except from a vent in the building.

(i) The PM10 emissions from building vents shall not exceed twenty-two thousandths (0.022) grains per dry standard cubic foot and ten percent (10%) opacity.

(j) The opacity of particulate emissions from dust handling equipment shall not exceed ten percent (10%).

(k) Any facility or operation not specified in 326 IAC 6.8-10-3 shall meet a twenty percent (20%), three (3) minute average opacity standard.

The Permittee shall achieve these limits by controlling fugitive particulate matter emissions according to the Fugitive Dust Control Plan, attached as Appendix A.

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.

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

Indianapolis, Indiana 46204-2251

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

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

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

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

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

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

(a) Compliance testing on new emissions units shall be conducted within 60 days after achieving maximum production rate, but no later than180 days after initial start-up, if specified in Section D of this approval. 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
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
Indianapolis, Indiana 46204-2251

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

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

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

C.11 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]

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

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

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

(b) The Permittee may request that the IDEM, OAQ approve the use of an instrument that does not meet the above specifications provided the Permittee can demonstrate that an alternative instrument specification will adequately ensure compliance with permit conditions requiring the measurement of the parameters.

Corrective Actions and Response Steps [326 IAC 2-7-5][326 IAC 2-7-6]

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

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

(a) The Permittee shall prepare written emergency reduction plans (ERPs) consistent with safe operating procedures.

(b) These ERPs shall be submitted for approval to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

within 180 days from the date on which this source commences operation.

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

(c) If the ERP is disapproved by IDEM, OAQ, the Permittee shall have an additional thirty (30) days to resolve the differences and submit an approvable ERP.

(d) These ERPs shall state those actions that will be taken, when each episode level is declared, to reduce or eliminate emissions of the appropriate air pollutants.

(e) Said ERPs shall also identify the sources of air pollutants, the approximate amount of reduction of the pollutants, and a brief description of the manner in which the reduction will be achieved.

(f) Upon direct notification by IDEM, OAQ that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate episode level.
[326 IAC 1-5-3]

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

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

C.15 Response to Excursions or Exceedances [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.16 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 and twenty (120) days is not practicable, IDEM, OAQ may extend the retesting deadline.

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

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

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

C.17 Emission Statement [326 IAC 2-7-5(3)(C)(iii)][326 IAC 2-7-5(7)][326 IAC 2-7-19(c)][326 IAC 2-6]

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

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

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

The statement must be submitted to:

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

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

(b) The emission statement required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the

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

C.18 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6] [326 IAC 2-2][326 IAC 2-3]

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

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

(c) If there is a reasonable possibility that a “project” (as defined in 326 IAC 2-2-1(qq)) at an existing emissions unit, other than projects at a Clean Unit (or at a source with Plant-wide Applicability Limitation (PAL)), which is not part of a “major modification” (as defined in 326 IAC 2-2-1(ee)) may result in significant emissions increase and the Permittee elects to utilize the “projected actual emissions” (as defined in 326 IAC 2-2-1(rr) and/or 326 IAC 2-3-1(mm)), the Permittee shall comply with following:

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

(A) A description of the project.

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

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

(i) Baseline actual emissions;

(ii) Projected actual emissions;

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

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

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

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

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

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

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

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

(e) 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
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.20 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)]:

Lime Production

(a) One (1) coal-fired Allis Chalmers Rotary Kiln equipped with a Contact Cooler; identified as EU-1; constructed in 1966; a maximum capacity of 8.2 tons of coal per hour, 47.8 tons of limestone per hour, and 23.3 tons of lime per hour; a maximum heat input capacity of 213 MMBtu/hr; emissions controlled by baghouse CE-1; exhausting to stacks S-1A through S-1F.

(b) One (1) coal-fired Allis Chalmers Rotary Kiln equipped with a Contact Cooler; identified as EU-2; constructed in 1966; a maximum capacity of 8.2 tons of coal per hour, 47.8 tons of limestone per hour, and 23.3 tons of lime per hour; a maximum heat input capacity of 213 MMBtu/hr; emissions controlled by baghouse CE-2; exhausting to stacks S-2A through S-2F.

(c) One (1) coal-fired Allis Chalmers Rotary Kiln equipped with a Contact Cooler; identified as EU-3; constructed in 1968; a maximum capacity of 8.2 tons of coal per hour, 47.8 tons of limestone per hour, and 23.3 tons of lime per hour; a maximum heat input capacity of 213 MMBtu/hr; emissions controlled by baghouse CE-3; exhausting to stacks S-3A through S-3F.

(d) One (1) coal-fired Allis Chalmers Rotary Kiln equipped with a Contact Cooler; identified as EU-4; constructed in 1972; a maximum capacity of 8.2 tons of coal per hour, 47.8 tons of limestone per hour, and 23.3 tons of lime per hour; a maximum heat input capacity of 213 MMBtu/hr; emissions controlled by baghouse CE-4; exhausting to stacks S-4A through S-4F.

(e) One (1) coal-fired Allis Chalmers Rotary Kiln equipped with a Contact Cooler; identified as EU-5; constructed in 1972; a maximum capacity of 8.2 tons of coal per hour, 47.8 tons of limestone per hour, and 23.3 tons of lime per hour; a maximum heat input capacity of 213 MMBtu/hr; emissions controlled by baghouse CE-5; exhausting to stacks S-5A through S-5F.

(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 General Provisions Relating to NESHAP [326 IAC 20-1][40 CFR Part 63, Subpart A]

(a) The provisions of 40 CFR 63 Subpart A - General Provisions, which are incorporated as 326 IAC 20-1-1, apply to the affect source except where otherwise specified in Table 8 to 40 CFR Part 63, Subpart AAAAA. The Permittee shall comply with these requirements on and after January 5, 2004.

(b) Since the applicable requirements associated with the compliance options are not included and specifically identified in this permit, the permit shield authorized by the B section of this permit in the condition titled Permit Shield, and set out in 326 IAC 2-7-15 does not apply to paragraph (a) of this condition.

D.1.2 National Emissions Standards for Hazardous Air Pollutants for Lime Manufacturing Plants [40 CFR Part 63, Subpart AAAAA]

(a) The affected source, the lime manufacturing plant, is subject to the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Lime Manufacturing plants, (40 CFR Part 63, Subpart AAAAA). The affected source must comply with this rule on and after January 5, 2007. Pursuant to 40 CFR Part 63, Subpart AAAAA, the Permittee shall comply with the applicable emission limitations for the existing affected lime manufacturing plant, and shall complete all applicable performance tests no later than January 5, 2007.

(b) Kilns EU-1 through EU-5 (along with the other facilities identified in Section D.2) comprise the affected source that is subject to 40 CFR Part 63, Subpart AAAAA.

(c) The definitions of 40 CFR Part 63, Subpart AAAAA (at 40 CFR 63.7143) are applicable to the affected source.

D.1.3 Lake County PM_{10} Emission Requirements [326 IAC 6.8-2-22][326 IAC 6.8-8]

(a) Pursuant to 326 IAC 6.8-2-22, the facilities listed in the chart below shall not exceed the respective PM_{10} emission limits:

Facility (as listed in 326 IAC 6.8-2-22)	Emission Unit ID	Control Device ID	PM_{10} Emission Limits	
			(lbs/ton)	(lbs/hr)
Rotary Kiln #1	EU-1	CE-1	0.478	9.950
Rotary Kiln #2	EU-2	CE-2	0.478	9.950
Rotary Kiln #3	EU-3	CE-3	0.478	9.950
Rotary Kiln #4	EU-4	CE-4	0.478	9.950
Rotary Kiln #5	EU-5	CE-5	0.478	9.950

(b) Pursuant to 326 IAC 6.8-8, the Permittee shall implement the maintenance and inspection practices outlined in the Continuous Compliance Plan (CCP), dated March 1997.

D.1.4 Lake County SO_2 Emission Limitations [326 IAC 7-4.1-6]

(a) Pursuant to 326 IAC 7-4.1-6, Carmeuse Lime shall comply with the sulfur dioxide emission limits for Rotary Kilns 1 through 5 as follows:

(1) When three (3) or fewer kilns are in operation at the same time, the sulfur dioxide emissions are not to exceed:
  (A) two and ninety-four thousandths (2.094) pounds per ton of lime based on a one (1) hour average; and
  (B) forty-eight (48) pounds per hour per operating kiln.

(2) When four (4) kilns are in operation at the same time, the sulfur dioxide emissions are not to exceed:
  (A) one and seven hundred forty-five thousandths (1.745) pounds per ton of lime based on a one (1) hour average; and
  (B) forty (40) pounds per hour per operating kiln.

(3) When five (5) kilns are in operation at the same time, the sulfur dioxide emissions are not to exceed:
  (A) one and four hundred eighty-three thousandths (1.483) pounds per ton of lime based on a one (1) hour average; and
  (B) thirty-four (34) pounds per hour per operating kiln.

(4) The production of lime is not to exceed five hundred fifty (550) tons per day for each rotary kiln.

(b) Sulfur dioxide emissions shall be vented from the kilns/kiln gas filter systems at the following heights above grade:

(1) For Kiln No. 1, a stack height of seventy-nine and one-tenth (79.1) feet.
(2) For Kiln No. 2, a stack height of eighty-five and nine-tenths (85.9) feet.
(3) For Kiln No. 3, a stack height of eighty-six and zero-tenths (86.0) feet.
(4) For Kiln No. 4, a stack height of ninety-four and four-tenths (94.4) feet.
(5) For Kiln No. 5, a stack height of eighty-seven and four-tenths (87.4) feet.

D.1.5 Volatile Organic Compounds (VOC) [326 IAC 8-7]

The total amount of lime produced from rotary kilns EU-1 through EU-5 shall not exceed 999,990 tons per twelve consecutive month period with compliance determined at the end of each month. The VOC emissions from each kiln shall not exceed 0.05 pounds per ton of lime produced.

Compliance with these limits is equivalent to source-wide VOC emissions of less than 25 tons per year and will render the requirements of 326 IAC 8-7 not applicable.

D.1.6 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 their control devices.

Compliance Determination Requirements

D.1.7 Particulate Control

(a) In order to comply with Condition D.1.2, the baghouses for particulate control shall be in operation and control particulate emissions from kilns EU-1 through EU-5 at all times those respective facilities are in operation.

(b) In the event that bag failure is observed in a multi-compartment baghouse, if operations will continue for 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.

D.1.8 Testing Requirements [326 IAC 2-7-6(1),(6)][326 IAC 2-1.1-11]

(a) No later than 12 months following the issuance of this Part 70 permit, the Permittee shall perform PM_{10} and SO_2 testing on kilns EU-1 and EU-2 utilizing methods approved by the Commissioner. This testing is required in order to demonstrate compliance with 326 IAC 6.8-2-22 and 326 IAC 7-4.1-6. These tests shall be repeated at least once every 2.5 years from the date of valid compliance demonstration. Testing shall be conducted in accordance with Section C - Performance Testing.

(b) No later than 30 months after the issuance of this Part 70 permit, the Permittee shall perform PM_{10} and SO_2 testing on kilns EU-3, EU-4, and EU-5 utilizing methods approved by the Commissioner. These tests are required in order to demonstrate compliance with 326 IAC 6.8-2-22 and 326 IAC 7-4.1-6 and shall be repeated at least once every 2.5 years from the date of valid compliance demonstration. Testing shall be conducted in accordance with Section C - Performance Testing.

(c) No later than 30 months following the issuance of this Part 70 permit, the Permittee shall perform VOC testing on each kiln (EU-1 through EU-5) utilizing methods approved by the Commissioner. These tests are required in order to ensure that the requirements of 326 IAC 8-7 do not apply and shall be repeated at least once every five years from the date of valid compliance demonstration. Testing shall be conducted in accordance with Section C - Performance Testing.

D.1.9 SO_2 Emissions [326 IAC 7-4.1-2][326 IAC 3-7][326 IAC 2-7-6]

Pursuant to 326 IAC 7-4.1-2 and 326 IAC 2-7-6, the Permittee shall demonstrate compliance with the SO_2 limits in Condition D.1.3 using one of the following options:

(a) Mass Balance Calculations and Sampling and Analysis.

(1) Both limestone and coal are purchased under contract, and each contract contains specifications for sulfur content. Each shipment is sampled and analyzed by an independent laboratory, utilizing American Society for Testing and Materials (ASTM) standards for sampling and chemical analyzes. The analysis is

provided for each 25,000-ton limestone shipment, and each 10,000-ton coal shipment. Note that each limestone shipment represents approximately five (5) days of feed, and the coal shipment represents approximately 14 days of fuel. The certified analyses shall be the source of the data of the sulfur content in both the limestone and coal. The Permittee shall calculate the hourly SO_2 emission rate using the total sulfur content and consumption rates of limestone and coal. In the event that a shipment of limestone or coal has been received which does not meet the specifications, steps shall be taken to correct the situation prior to the use of the material.

(A) The coal and limestone sample acquisition points shall be at locations where representative samples of the respective material shipments may be obtained.

(B) Minimum sample size shall be in accordance with ASTM specifications for representative samples in the size fraction and quantity delivered.

(C) Samples shall be composited and analyzed in accordance with ASTM specifications.

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

(E) The limestone and coal utilized shall be reconciled monthly by means of the weigh slips and shipping documents.

(2) The Permittee shall calculate the amount of bound sulfur, in pounds per hour, exiting the kiln by performing calculations for weight and sulfur content of the lime and flue dust.

(A) The weight of lime produced by each kiln shall be determined by either using a lime scale belt or by determining the cumulative weight of limestone fed to the kiln using the following relationships:

One (1.0) ton of lime is produced for each two and one-tenth (2.1) tons of high calcium limestone; and

One (1.0) ton of lime is produced for each two and twenty-seven hundreths (2.27) tons of dolomitic limestone.

(B) The weight of flue dust captured shall be determined by weigh slips from shipments and inventory balances, and reconciled monthly.

(C) The lime and flue dust sample acquisition points shall be at locations where representative samples of the total flow exiting the kilns may be obtained.

(D) Lime shall be sampled in accordance with ISO 9000 standards for shipments to customers.

(E) Samples shall be composited and analyzed in accordance with ISO 9000 standards, and at a frequency which will be representative of the materials utilized and produced from the raw materials.

(3) The Permittee shall determine the calendar month average SO_2 emissions from each kiln by the following mass balance calculation using the input values determined in (1) and (2) above:

SO_2 Emissions = [(%$S_{limestone}$ x Monthly $Usage_{limestone}$) + (%S_{coal} x Monthly $Usage_{coal}$) - (%S_{lime} x Monthly $Production_{lime}$) - (%$S_{fluedust}$ x Monthly $Production_{fluedust}$)] x 2

Where the %S values are given in calendar month averages.

(b) Pursuant to 326 IAC 7-4.1-2(d), compliance may also be determined by conducting a stack test for sulfur dioxide emissions from the kilns, using 40 CFR Part 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) above. IDEM, OAQ may also require that the Permittee conduct a stack test at any emissions unit within sixty (60) days of written notification by the department.

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

D.1.10 Opacity Monitoring / Visible Emission Monitoring [326 IAC 6.8-8-5]

(a) Pursuant to 326 IAC 6.8-8-5(1), the Permittee shall monitor the opacity of the exhaust from stacks S-1 through S-5 (exhausting emissions from kilns EU-1 through EU-5) during normal operation through self monitoring of opacity (visible emission notations). The opacity monitoring tests shall be performed in accordance with Method 9 of 40 CFR Part 60, Appendix A and shall be performed once per day during normal daylight operations. Readings shall be taken for a minimum of thirty (30) minutes during each day. If opacity readings are greater than seventy-five percent (75%) of the applicable standard, 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) If the Method 9 tests (required in (a) above) can not be performed due to the position of the sun, inclement weather, etc., then the Permittee shall perform visible emission notations of the exhaust from stacks S-1 through S-5 once per day during normal daylight operations. A trained employee shall 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.

D.1.11 Monitoring for Baghouses

(a) The Permittee shall record the pressure drop across the baghouses, used in conjunction with kilns EU-1 through EU-5, at least once per day when the respective facilities are in operation.

(b) When, for any one reading, the pressure drop across the baghouse is outside the normal range of 1.0 and 7.0 inches of water, or a range established during the last 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.1.12 Baghouse Inspections [326 IAC 6.8-8-7]

The Permittee shall perform the baghouse inspections pursuant to the Continuous Compliance Plan (CCP) and 326 IAC 6.8-8-7(1). The inspections shall be performed at least once per calendar quarter. Inspections required by this condition shall be not be performed in consecutive months. All defective bags shall be replaced.

D.1.13 Broken or Failed Bag Detection

(a) For single compartment baghouses 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 emissions 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).

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.1.14 National Emissions Standards for Hazardous Air Pollutants for Lime Manufacturing Plants - Reporting Requirements [40 CFR Part 63, Subpart AAAAA]

(a) Pursuant to 40 CFR 63.7130, the Permittee shall submit all of the notifications in 40 CFR 63.6(h)(4) and (5); 63.7(b) and (c); 63.8(e); (f)(4) and (6); and 63.9 (a) through (j) that apply to the affected source and chosen compliance method, by the dates specified. These notifications include but are not limited to the following:

(1) An Initial Notification containing the information specified in 40 CFR 63.9(b)(2) no later than May 5, 2004.

(2) If required to conduct a performance test, a notification of intent to conduct a performance test at least 60 calendar days before the performance test is scheduled to begin as required by 40 CFR 63.7(b)(1) and 40 CFR 63.7130(d).

(3) If required to conduct a performance test, design evaluation, opacity observation, visible emissions observation, or other initial compliance demonstration as specified in Table 3 or 4 to 40 CFR 63, Subpart AAAAA, a Notification of Compliance Status containing the information required by 40 CFR 63.9(h)(2)(ii) in accordance with 40 CFR 63.7130(e). The Notification of Compliance Status must be submitted:

(A) Before the close of business on the 30th calendar day following completion of the initial compliance demonstration for each initial compliance demonstration required in Table 3 to 40 CFR 63, Subpart AAAAA, that does not include a performance test; and

(B) Before the close of business on the 60th calendar day following the completion of the performance test according to the requirement specified in 40 CFR 63.10(d)(2) for each initial compliance demonstration

required in Table 5 to 40 CFR Part 63, Subpart AAAAA that includes a performance test conducted according to the requirements in Table 4 to 40 CFR 63, Subpart AAAAA.

(4) If required to conduct opacity or visible emissions observations as required by Table 4 to 40 CFR 63 Subpart AAAAA, the anticipated date for conducting the opacity or visible emission observations specified in 40 CFR 63.6(h)(5) in accordance with the appropriate schedule specified in 40 CFR 63.9(f) as required by 40 CFR 63.7130(a).

(b) The notifications required by paragraph (a) shall be submitted to:

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

and

United States Environmental Protection Agency, Region V
Director, Air and Radiation Division
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

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

D.1.15 Requirement to Submit a Significant Permit Modification Application [326 IAC 2-7-12][326 IAC 2-7-5]

The Permittee shall submit an application for a significant permit modification to IDEM, OAQ to include information regarding which compliance option or options will be chosen in the Part 70 permit.

(a) The significant permit modification application shall be consistent with 326 IAC 2-7-12, including information sufficient for IDEM, OAQ to incorporate into the Part 70 permit the applicable requirements of 40 CFR Part 63, Subpart AAAAA, a description of the affected source and activities subject to the standard, and a description of how the Permittee will meet the applicable requirements of the standard.

(b) The significant permit modification application shall be submitted no later than April 5, 2006.

(c) The significant permit modification application shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

D.1.16 Record Keeping Requirements

(a) To document compliance with Condition D.1.5 the Permittee shall maintain records of the amount of lime produced by kilns EU-1 through EU-5.

(b) To document compliance with Condition D.1.9, the Permittee shall maintain records of the sampling and analysis of raw materials, product, and by-products, and the mass balance equations used to demonstrate compliance with Condition D.1.3.

(c) To document compliance with Condition D.1.10, the Permittee shall maintain records of the once per day visible emission notations required by Condition D.1.10.

(d) To document compliance with Condition D.1.11, the Permittee shall maintain records of the once per day pressure drop required by Condition D.1.11.

(e) To document compliance with Condition D.1.12, the Permittee shall maintain records of the results of the inspections.

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

D.1.17 Reporting Requirements

(a) A quarterly summary of the information to document compliance with Condition D.1.5 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting form located at the end of this permit, or its equivalent, within thirty (30) days after the end of the three (3) 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).

(b) A quarterly summary of the information to document compliance with Condition D.1.9 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting form located at the end of this permit, or its equivalent, within thirty (30) days after the end of the three (3) 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.2 FACILITY OPERATION CONDITIONS

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

Lime Processing and Handling

(f) One (1) Lime Grinder; identified as EU-15; constructed in 1972; a maximum capacity of 80 tons of lime per hour; emissions controlled by baghouse CE-6; exhausting to stack S-6.

(g) One (1) Grinding Mill #1; identified as EU-13; constructed in 1972; a maximum capacity of 40 tons of lime per hour; emissions controlled by baghouse CE-8; exhausting to stack S-8.

(h) One (1) Grinding Mill #2; identified as EU-12; constructed in 1972; a maximum capacity of 40 tons of lime per hour; emissions controlled by baghouse CE-7; exhausting to stack S-7.

(i) One (1) Pugmill #1; identified as EU-18; constructed in 1985; a maximum capacity of 15.14 tons of lime per hour; emissions controlled by baghouse CE-19; exhausting to stacks S-19.

(j) One (1) Pugmill # 2; identified as EU-19; constructed in 1985; a maximum capacity of 15.14 tons of lime per hour; emissions controlled by baghouse CE-20; exhausting to stack S-20.

(k) One (1) Lime Handling System #1; identified as EU-6; constructed in 1972; a maximum capacity of 100 tons of lime per hour; emissions controlled by baghouse CE-14; exhausting to stack S-14.

(l) One (1) Lime Handling System #2; identified as EU-7; constructed in 1966; a maximum capacity of 100 tons of lime per hour; emissions controlled by baghouse CE-15; exhausting to stack S-15.

(m) One (1) Lime Transfer System #1, identified as EU-40/41, approved for construction in 2006, with a maximum capacity of 55 tons of lime per hour, consisting of a hopper, piping and storage tank T4, for transporting lime using high pressure pneumatic conveyance methods, with emissions controlled by bin vent filters, and exhausting to stacks S-40 (ALG-490) and S-41 (ALG-430), respectively.

(n) One (1) Lime Transfer System #2, identified as EU-42/43, approved for construction in 2006, with a maximum capacity of 80 tons of lime per hour, consisting of a hopper, piping and storage tank T1A, for transporting lime using high pressure pneumatic conveyance methods, with emissions controlled by bin vent filters, and exhausting to stacks S-42 (ALG-470) and S-43 (ALG-410), respectively.

Lime Storage and Loadout

(o) One (1) Lime Storage System; identified as EU-24; constructed prior to 1977; consisting of six lime storage tanks; emissions controlled by baghouse CE-14; exhausting to stack S-14.

(p) One (1) Lime Storage System; identified as EU-14; constructed prior to 1977; consisting of eight lime storage tanks; emissions controlled by baghouse CE-6; exhausting to stack S-6.

(q) One (1) Truck & Rail Lime Loadout #3; identified as EU-8; constructed in 1972; a maximum capacity of 200 tons of lime per hour; emissions controlled by baghouse CE-13; exhausting to stack S-13.

(r) One (1) Truck Lime Loadout #4; identified as EU-9; constructed in 1994; a maximum capacity of 200 tons of lime per hour; emissions controlled by baghouse CE-17; exhausting to stack S-17.

(s) One (1) Truck Flue Dust Loadout #2; identified as EU-16; constructed in 1966; a maximum capacity of 28 tons of dust per hour; emissions controlled by baghouse CE-9; exhausting to stack S-9.

(t) One (1) Truck Flue Dust Loadout #1; identified as EU-17; constructed in 1966; a maximum capacity of 32 tons of dust per hour; emissions controlled by baghouse CE-10; exhausting to stack S-10.

(u) One (1) Rail Lime Loadout #2; identified as EU-28; constructed in 1972; a maximum capacity of 200 tons of lime per hour; emissions controlled by baghouse CE-14; exhausting to stack S-14.

(v) One (1) Truck Loadout Station; identified as EU-11; constructed prior to 1977; a maximum capacity of 300 tons of lime per hour; emissions controlled by baghouse CE-25; exhausting to stack S-25.

(w) One (1) Rail Re-Screen Loadout #2; identified as EU-25; constructed in 1996; a maximum capacity of 200 tons of lime per hour; emissions controlled by baghouse CE-25; exhausting to stack S-25.

(x) One (1) Truck Transfer Station Reclaim Hopper; identified as EU-32; constructed in 1972 and modified in 2003; a maximum capacity of 100 tons of lime per hour; emissions controlled by baghouse CE-32; exhausting to stack S-32.

(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 General Provisions Relating to NESHAP [326 IAC 20-1][40 CFR Part 63, Subpart A]

(a) The provisions of 40 CFR 63 Subpart A - General Provisions, which are incorporated as 326 IAC 20-1-1, apply to the affected source except where otherwise specified in Table 8 to 40 CFR Part 63, Subpart AAAAA. The Permittee shall comply with these requirements on and after January 5, 2004.

(b) Since the applicable requirements associated with the compliance options are not included and specifically identified in this permit, the permit shield authorized by the B section of this permit in the condition titled Permit Shield, and set out in 326 IAC 2-7-15 does not apply to paragraph (a) of this condition.

D.2.2 National Emissions Standards for Hazardous Air Pollutants for Lime Manufacturing Plants [40 CFR Part 63, Subpart AAAAA]

(a) The affected source, the lime manufacturing plant, is subject to the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Lime Manufacturing plants, (40 CFR Part 63, Subpart AAAAA). The affected source must comply with this rule on and after January 5, 2007. Pursuant to 40 CFR Part 63, Subpart AAAAA, the Permittee shall comply with the applicable emission limitations for the existing affected lime manufacturing plant, and shall complete all applicable performance tests no later than January 5, 2007.

(b) All of the facilities listed in this section (along with the other facilities identified in Section D.1) comprise the affected source that is subject to 40 CFR Part 63, Subpart AAAAA.

(c) The definitions of 40 CFR Part 63, Subpart AAAAA (at 40 CFR 63.7143) are applicable to the affected source.

D.2.3 Prevention of Significant Deterioration (PSD) and Emission Offset (EO) - Particulate [326 IAC 2-2] [326 IAC 2-3]

(a) The PM emissions from pugmill EU-18 shall not exceed 0.186 pounds per ton of lime processed.

(b) The PM emissions from pugmill EU-19 shall not exceed 0.186 pounds per ton of lime processed.

(c) The total lime processed by pugmills EU-18 and EU-19 (combined) shall not exceed 268,000 tons per twelve consecutive month period with compliance determined at the end of each month.

Compliance with these limits is equivalent to PM emissions of less than 25 tons per year and will render the requirements of 326 IAC 2-2 not applicable.

(d) The PM/PM10 emissions from Truck Lime Loadout #4 (EU-9) shall not exceed 3.4 pounds per hour and 15 tons per year.

Compliance with this limit will render the requirements of 326 IAC 2-2 and 326 IAC 2-3 not applicable.

(e) Pursuant to CP 089-5851-00112, issued December 9, 1996, and as revised by this permit, the PM/PM10 emissions from Re-Screen Loadout #2 (EU-25) shall not exceed 3.4 pounds per hour and 15 tons per year.

Compliance with this limit will render the requirements of 326 IAC 2-2 and 326 IAC 2-3 not applicable.

(f) Pursuant to MSM 089-23502-00112, issued on November 17, 2006, the PM emission rate from the lime transfer system, identified as EU-40, controlled by a bin vent filter and exhausting to stack S-40 (ALG-490), shall not exceed 0.05 pounds per hour.

(g) Pursuant to MSM 089-23502-00112, issued on November 17, 2006, the PM10 emission rate from the lime transfer system, identified as EU-40, controlled by a bin vent filter and exhausting to stack S-40 (ALG-490), shall not exceed 0.05 pounds per hour.

(h) Pursuant to MSM 089-23502-00112, issued on November 17, 2006, the PM emission rate from the lime transfer system, identified as EU-41 controlled by a bin vent filter and exhausting to stack S-41 (ALG-430), shall not exceed 1.27 pounds per hour.

(i) Pursuant to MSM 089-23502-00112, issued on November 17, 2006, the PM10 emission rate from the lime transfer system, identified as EU-41, controlled by a bin vent filter and exhausting to stack S-41 (ALG-430), shall not exceed 1.27 pounds per hour.

(j) Pursuant to MSM 089-23502-00112, issued on November 17, 2006, the PM emission rate from the lime transfer system, identified as EU-42 controlled by a bin vent filter and exhausting to stack S-42 (ALG-470), shall not exceed 0.05 pounds per hour.

(k) Pursuant to MSM 089-23502-00112, issued on November 17, 2006, the PM10 emission rate from the lime transfer system, identified as EU-42, controlled by a bin vent filter and exhausting to stack S-42 (ALG-470), shall not exceed 0.05 pounds per hour.

(l) Pursuant to MSM 089-23502-00112, issued on November 17, 2006, the PM emission rate from the lime transfer system, identified as EU-43 controlled by a bin vent filter and exhausting to stack S-43 (ALG-410), shall not exceed 1.27 pounds per hour.

(m) Pursuant to MSM 089-23502-00112, issued on November 17, 2006, the PM10 emission rate from the lime transfer system, identified as EU-43, controlled by a bin vent filter and exhausting to stack S-43 (ALG-410), shall not exceed 1.27 pounds per hour.

Compliance with these emission limits will ensure that the potential to emit from the modification performed under MSM 089-23502-00112, issued on November 17, 2006, is less than twenty-five (25) tons of PM per year and less than fifteen (15) tons of PM10 per year and therefore will render the requirements of 326 IAC 2-2 (PSD) and 326 IAC 2-3 (Emission Offset) not applicable to this modification.

D.2.4 Particulate Matter Emissions [326 IAC 6.8-1-2]

Pursuant to 326 IAC 6.8-1-2, the particulate matter emissions from the Truck Lime Loadout #4 (EU-9), Pugmill #1 (EU-18), Pugmill #2 (EU-19), Rail Re-Screen Loadout #2 (EU-25), Lime Transfer Systems (EU-40, EU-41, EU-42, and EU-43), and Truck Transfer Station Reclaim Hopper (EU-32) shall not exceed 0.03 grain per dry standard cubic foot (gr/dscf).

D.2.5 Lake County PM_{10} Emission Requirements [326 IAC 6.8-2-22][326 IAC 6.8-8]

(a) Pursuant to 326 IAC 6.8-2-22, the facilities listed in the chart below shall not exceed the respective PM_{10} emission limits:

Facility (as listed in 326 IAC 6.8-2-22)	Emission Unit(s) ID	Control Device ID	PM_{10} Emission Limits	
			(lbs/ton)	(lbs/hr)
Fluedust Loadout #1	EU-17	CE-10	0.003	0.110
Fluedust Loadout #2	EU-16	CE-9	0.003	0.100
Lime Grinder	EU-15 EU-14	CE-6	0.015	0.44
Lime Handling Baghouse #1	EU-6, EU-24, and EU-28	CE-14	0.002	0.260
Lime Handling Baghouse #2	EU-7	CE-15	0.002	0.180
Lime Handling Baghouse #3	EU-8	CE-13	0.0004	0.050
Lime Handling Baghouse #4	EU-11	CE-25	0.001	0.13
Lime Loadout Baghouse #1	EU-12	CE-7	0.0004	0.050
Lime Loadout Baghouse #2	EU-13	CE-8	0.0004	0.050

(b) Pursuant to 326 IAC 6.8-8, the Permittee shall implement the maintenance and inspection practices outlined in the Continuous Compliance Plan (CCP), dated March 1997.

D.2.6 Preventative 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 their control devices.

Compliance Determination Requirements

D.2.7 Particulate Control

(a) In order to comply with Conditions D.2.1, D.2.2, D.2.3, and D.2.4, the baghouses and bin vent filters for particulate control shall be in operation and control particulate emissions from all facilities listed in this section at all times those respective facilities are in operation.

(b) In the event that bag failure is observed in a multi-compartment baghouse, if operations will continue for 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.

D.2.8 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]

(a) No later than 18 months following the issuance of this Part 70 permit, the Permittee shall perform PM_{10} testing on the Grinding Mill #2 (EU-12), Grinding Mill #1 (EU-13), Lime Handling System #1 (EU-6), Lime Storage System (EU-24), Rail Lime Loadout #2 (EU-28), Truck Flue Dust Loadout #2 (EU-16), Truck Flue Dust Loadout #1 (EU-17), and the Truck Loadout Station (EU-11) utilizing methods approved by the Commissioner. These tests are required in order to demonstrate compliance with 326 IAC 6.8-2-22 and shall be repeated at least once every five years from the date of valid compliance demonstration. Testing shall be conducted in accordance with Section C - Performance Testing.

(b) No later than 36 months following the issuance of this Part 70 permit, the Permittee shall perform PM_{10} testing on the Lime Grinder (EU-15), Lime Storage System (EU-14), Lime Handling System #2 (EU-7), and the Truck & Rail Lime Loadout #3 (EU-8) utilizing methods approved by the Commissioner. These tests are required in order to demonstrate compliance with 326 IAC 6.8-2-22 and shall be repeated at least once every five years from the date of valid compliance demonstration. 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.2.9 Visible Emissions Notations [40 CFR 64]

(a) Visible emission notations of the stack exhaust from facilities EU-9, EU-18, EU-19, EU-25, EU-17, EU-16, EU-15, EU-14, EU-6, EU-24, EU-28, EU-7, EU-8, EU-11, EU-12, EU-13, EU-32, EU-40, EU-41, EU-42, and EU-43 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.2.10 Monitoring for Baghouses

(a) The Permittee shall record the pressure drop across the baghouses, used in conjunction with facilities EU-9, EU-18, EU-19, EU-25, EU-17, EU-16, EU-15, EU-14, EU-6, EU-24, EU-28, EU-7, EU-8, EU-11, EU-12, EU-13, EU-32, EU-40, EU-41, EU-42, and EU-43 at least once per day when the respective facilities are in operation.

(b) When, for any one reading, the pressure drop across the baghouse is outside the normal range of 2.0 and 8.0 inches of water, or a range established during the last 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.2.11 Baghouse Inspections [326 IAC 6.8-8-7]

The Permittee shall perform the baghouse inspections pursuant to the CCP and 326 IAC 6.8-8-7. The inspections 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.

D.2.12 Broken or Failed Bag Detection

(a) For single compartment baghouses 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 emissions 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).

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.2.13 National Emissions Standards for Hazardous Air Pollutants for Lime Manufacturing Plants - Reporting Requirements [40 CFR Part 63, Subpart AAAAA]

(a) Pursuant to 40 CFR 63.7130, the Permittee shall submit all of the notifications in 40 CFR 63.6(h)(4) and (5); 63.7(b) and (c); 63.8(e); (f)(4) and (6); and 63.9 (a) through (j) that apply to the affected source and chosen compliance method, by the dates specified. These notifications include but are not limited to the following:

(1) An Initial Notification containing the information specified in 40 CFR 63.9(b)(2) no later than May 5, 2004.

(2) If required to conduct a performance test, a notification of intent to conduct a performance test at least 60 calendar days before the performance test is scheduled to begin as required by 40 CFR 63.7(b)(1) and 40 CFR 63.7130(d).

(3) If required to conduct a performance test, design evaluation, opacity observation, visible emissions observation, or other initial compliance demonstration as specified in Table 3 or 4 to 40 CFR 63, Subpart AAAAA, a Notification of Compliance Status containing the information required by 40 CFR 63.9(h)(2)(ii) in accordance with 40 CFR 63.7130(e). The Notification of Compliance Status must be submitted:

(A) Before the close of business on the 30th calendar day following completion of the initial compliance demonstration for each initial compliance demonstration required in Table 3 to 40 CFR 63, Subpart AAAAA, that does not include a performance test; and

(B) Before the close of business on the 60th calendar day following the completion of the performance test according to the requirement specified in 40 CFR 63.10(d)(2) for each initial compliance demonstration

required in Table 5 to 40 CFR Part 63, Subpart AAAAA that includes a performance test conducted according to the requirements in Table 4 to 40 CFR 63, Subpart AAAAA.

(4) If required to conduct opacity or visible emissions observations as required by Table 4 to 40 CFR 63 Subpart AAAAA, the anticipated date for conducting the opacity or visible emission observations specified in 40 CFR 63.6(h)(5) in accordance with the appropriate schedule specified in 40 CFR 63.9(f) as required by 40 CFR 63.7130(a).

(b) The notifications required by paragraph (a) shall be submitted to:

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

United States Environmental Protection Agency, Region V
Director, Air and Radiation Division
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

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

D.2.14 Requirement to Submit a Significant Permit Modification Application [326 IAC 2-7-12] [326 IAC 2-7-5]

The Permittee shall submit an application for a significant permit modification to IDEM, OAQ to include information regarding which compliance option or options will be chosen in the Part 70 permit.

(a) The significant permit modification application shall be consistent with 326 IAC 2-7-12, including information sufficient for IDEM, OAQ to incorporate into the Part 70 permit the applicable requirements of 40 CFR Part 63, Subpart AAAAA, a description of the affected source and activities subject to the standard, and a description of how the Permittee will meet the applicable requirements of the standard.

(b) The significant permit modification application shall be submitted no later than April 5, 2006.

(c) The significant permit modification application shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

D.2.15 Record Keeping Requirements

(a) To document compliance with Condition D.2.3(c), the Permittee shall maintain records of the total amount of lime processed by facilities EU-18 and EU-19.

(b) To document compliance with Condition D.2.9, the Permittee shall maintain records of the once per day visible emission notations required by Condition D.2.9.

(c) To document compliance with Condition D.2.10, the Permittee shall maintain records of the once per day pressure drop required by Condition D.2.10.

(d) To document compliance with Condition D.2.11, the Permittee shall maintain records of the results of the inspections.

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

D.2.16 Reporting Requirements

A quarterly summary of the information to document compliance with Condition D.2.3(c) shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting form located at the end of this permit, or its equivalent, within thirty (30) days after the end of the three (3) 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.3 FACILITY OPERATION CONDITIONS

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

Raw material Storage and Handling (Fugitive)

(y) One (1) Coal Storage Pile; identified as EU-22; a capacity of greater than 3.5 acres; a source of fugitive emissions.

(z) Two (2) Limestone Storage Piles; identified as EU-23 and EU-29; each a capacity of greater than 9.5 acres; a source of fugitive emissions.

(aa) Coal Unloading and Processing operations; identified as EU-30; consisting of truck and rail unloading and assorted conveyors; a source of fugitive emissions.

(bb) Limestone Unloading and Processing operations; identified as EU-31; consisting of barge unloading and assorted conveyors; a source of fugitive emissions.

Specifically Regulated Insignificant Activities

(a) Vehicular traffic on paved and unpaved roads, and parking lots with public access. [326 IAC 6-4] [326 IAC 6-1-11.1]

(b) 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 SO_2; 5 lb/hr or 25 lb/day NO_x; 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: Assorted covered limestone conveyors; [326 IAC 6-1-2]

(c) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) Btu per hour: Two (2) boilers with heat input capacities of 0.42 and 0.035 MMBtu per hour. [326 IAC 6-1-2(b)(3)]

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

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

D.3.1 Particulate Matter (PM) Emissions [326 IAC 6.8-1-2]

(a) Pursuant to 326 IAC 6.8-1-2, the PM emissions from EU-22, EU-23, EU-29, EU-30, EU-31, and the insignificant limestone conveyors, shall each not exceed 0.03 grain per dry standard cubic foot (gr/dscf).

(b) Pursuant to 326 IAC 6.8-1-2(b)(3), the PM emissions from the insignificant boilers shall not exceed 0.01 grain per dry standard cubic foot (gr/dscf).

D.3.2 Lake County Fugitive Particulate Matter Emission Limitations [326 IAC 6.8-10-3]

Pursuant to 326 IAC 6.8-10-3:

(a) For paved roads and parking lots, the average instantaneous opacity of the fugitive particulate emissions from a paved road shall not exceed ten percent (10%).

(b) The average instantaneous opacity of the fugitive particulate emissions from an unpaved road shall not exceed ten percent (10%).

(c) The average instantaneous opacity of the fugitive particulate emissions from batch transfer shall not exceed ten percent (10%).

(d) The opacity of the fugitive particulate emissions from continuous transfer of material onto and out of storage piles shall not exceed ten percent (10%) on a three (3) minute average.

(e) The opacity of the fugitive particulate emissions from exposed areas shall not exceed ten percent (10%) on a six (6) minute average.

(f) The opacity of the fugitive particulate emissions from storage piles shall not exceed ten percent (10%) on a six (6) minute average.

(g) There shall be zero percent (0%) frequency of visible emissions observations of a material during the inplant transportation of material by truck or rail at any time.

(h) The opacity of the fugitive particulate emissions from inplant transportation by front end loaders and skip hoists shall not exceed ten percent (10%).

(i) The PM10 stack emissions from a material processing facility shall not exceed twenty-two thousandths (0.022) grain per dry standard cubic foot and ten percent (10%) opacity. The opacity of fugitive particulate emissions from a material processing facility, except crusher at which a capture system is not used, shall not exceed ten percent (10%). The opacity of fugitive particulate emissions from a crusher at which a capture system is not used shall not exceed fifteen percent (15%). There shall be a zero percent (0%) frequency of visible emission observations from a building enclosing all or a part of the material processing equipment except from a vent in the building. The PM10 emissions from building vents shall not exceed twenty-two thousandths (0.022) grains per dry standard cubic foot and ten percent (10%) opacity.

(j) The opacity of the fugitive particulate emissions from dust handling equipment shall not exceed ten percent (10%).

(k) Compliance with the opacity limits specified in Section C (Fugitive Dust Emissions) of this permit shall be achieved by controlling fugitive particulate matter emissions according to the Fugitive Dust Control Plan (FDCP) attached as Appendix A to this permit. If it is determined that the control procedures specified in the FDCP do not demonstrate compliance with the fugitive emission limitations, IDEM, OAQ may request that the FDCP be revised and submitted for approval.

D.3.3 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).

Compliance Determination Requirements

D.3.4 Particulate Matter (PM)

Pursuant to 326 IAC 6.8-10-3 (Lake County Fugitive Particulate Matter Emission Limitations), opacity from the activities (as applicable) shall be determined as follows:

(a) Paved Roads and Parking Lots
The average instantaneous opacity shall be the average of twelve (12) instantaneous opacity readings, taken for four (4) vehicle passes, consisting of three (3) opacity readings for each vehicle pass. The three (3) opacity readings for each vehicle pass shall be taken as follows:

(1) The first will be taken at the time of emission generation.

(2) The second will be taken five (5) seconds later.

(3) The third will be taken five (5) seconds later or ten (10) seconds after the first.

The three (3) readings shall be taken at the point of maximum opacity. The observer shall stand approximately fifteen (15) feet from the plume and at approximately right angles to the plume. Each reading shall be taken approximately four (4) feet above the surface of the roadway or parking area.

(b) Unpaved Roads and Parking Lots
The fugitive particulate emissions from unpaved roads shall be controlled by the implementation of a work program and work practice under the fugitive dust control plan.

(c) Batch Transfer
The average instantaneous opacity shall consist of the average of three (3) opacity readings taken five (5) seconds, ten (10) seconds, and fifteen (15) seconds after the end of one (1) batch loading or unloading operation. The three (3) readings shall be taken at the point of maximum opacity. The observer shall stand approximately fifteen (15) feet from the plume and at approximately right angles to the plume.

(d) Continuous Transfer
The opacity shall be determined using 40 CFR 60, Appendix A, Method 9. The opacity readings shall be taken at least four (4) feet from the point of origin.

(e) Wind Erosion from Storage Piles
The opacity shall be determined using 40 CFR 60, Appendix A, Method 9, except that the opacity shall be observed at approximately four (4) feet from the surface at the point of maximum opacity. The observer shall stand approximately fifteen (15) feet from the plume and at approximately right angles to the plume. The limitations may not apply during periods when application of fugitive particulate control measures are either ineffective or unreasonable due to sustained very high wind speeds. During such periods, the company must continue to implement all reasonable fugitive particulate control measures and maintain records documenting the application of measures and the basis for a claim that meeting the opacity limitation was not reasonable given prevailing wind conditions.

(f) Wind Erosion from Exposed Areas
The opacity shall be determined using 40 CFR 60, Appendix A, Method 9.

(g) Material Transported by Truck or Rail
Compliance with this limitation shall be determined by 40 CFR 60, Appendix A, Method 22, except that the observation shall be taken at approximately right angles to the prevailing wind from the leeward side of the truck or railroad car. Material transported by truck or rail that is enclosed and covered shall be considered in compliance with the inplant transportation requirement.

(h) Material Transported by Front End Loader or Skip Hoist
Compliance with this limitation shall be determined by the average of three (3) opacity readings taken at five (5) second intervals. The three (3) opacity readings shall be taken as follows:

(1) The first will be taken at the time of emission generation.

(2) The second will be taken five (5) seconds later.

(3) The third will be taken five (5) seconds later or ten (10) seconds after the first.

The three (3) readings shall be taken at the point of maximum opacity. The observer shall stand at least fifteen (15) feet from the plume and at approximately right angles to the plume. Each reading shall be taken approximately four (4) feet above the surface of the roadway or parking area.

(i) Material Processing Limitations

Compliance with all opacity limitations from material processing equipment shall be determined using 40 CFR 60, Appendix A, Method 9. Compliance with all visible emissions limitations from material processing equipment shall be determined using 40 CFR 60, Appendix A, Method 22. Compliance with all particulate matter limitations from material processing equipment shall be determined using 40 CFR 60, Appendix A, Method 5 or 17.

(j) Dust Handling Equipment
Compliance with this standard shall be determined by 40 CFR 60, Appendix A, Method 9.

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

D.3.5 Record Keeping Requirements

Pursuant to 326 IAC 6.8-10-3 (Lake County Fugitive Particulate Matter Emission Limitations):

(a) The source shall keep the following documentation to show compliance with each of its control measures and control practices:

(1) A map or diagram showing the location of all emission sources controlled, including the location, identification, length, and width of roadways.

(2) For each application of water or chemical solution to roadways, the following shall be recorded:

(A) The name and location of the roadway controlled

(B) Application rate (as indicated on control plan)

(C) Time of each application

(D) Width of each application

(E) Identification of each method of application

(F) Total quantity of water or chemical used for each application

(G) For each application of chemical solution, the concentration and identity of the chemical

(H) The material data safety sheets for each chemical

(3) For application of physical or chemical control agents not covered by paragraph (2) above, the following:

(A) The name of the agent

(B) Location of application

(C) Application rate

(D) Total quantity of agent used

(E) If diluted, percent of concentration

(F) The material data safety sheets for each chemical

(4) A log recording incidents when control measures were not used and a statement of explanation.

(5) Copies of all records required by this section shall be submitted to the department within twenty (20) working days of a written request by the department.

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

D.3.6 Reporting Requirements

(a) Pursuant to 326 IAC 6.8-10-4(4)(G) (Lake County Fugitive Particulate Matter Emission Limitations), a quarterly report shall be submitted, stating the following:

(1) The dates any required control measures were not implemented

(2) A listing of those control measures

(3) The reasons that the control measures were not implemented

(4) Any corrective action taken

(b) These reports shall be submitted within thirty (30) calendar days following the end of each calendar quarter and in accordance with Section C - General Reporting Requirements of this permit.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY

PART 70 OPERATING PERMIT CERTIFICATION

Source Name: Carmeuse Lime, Inc.
Source Address: One North Carmeuse Drive, Gary, Indiana 46402
Mailing Address: One North Carmeuse Drive, Gary, Indiana 46402
Part 70 Permit No.: T089-6140-00112

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:

9 Annual Compliance Certification Letter

9 Test Result (specify)

9 Report (specify)

9 Notification (specify)

9 Affidavit (specify)

9 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
Indianapolis, Indiana 46204-2251
Phone: 317-233-0178
Fax: 317-233-6865

PART 70 OPERATING PERMIT
EMERGENCY OCCURRENCE REPORT

Source Name: Carmeuse Lime, Inc.
Source Address: One North Carmeuse Drive, Gary, Indiana 46402
Mailing Address: One North Carmeuse Drive, Gary, Indiana 46402
Part 70 Permit No.: T089-6140-00112

This form consists of 2 pages **Page 1 of 2**

9 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: _____

A certification is not required for this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
Compliance Data Section

Part 70 Monthly Report

Source Name: Carmeuse Lime, Inc.
Source Address: One North Carmeuse Drive, Gary, Indiana 46402
Mailing Address: One North Carmeuse Drive, Gary, Indiana 46402
Part 70 Permit No.: T089-6140-00112
Facility: Rotary Kilns #1 through #5 (EU-1 through EU-5)
Limit: 240 pounds of SO2 per hour (total)

Time/ Date of Sample	SO2 Emissions from EU-1* (lb/hr)	SO2 Emissions from EU-2* (lb/hr)	SO2 Emissions from EU-3* (lb/hr)	SO2 Emissions from EU-4* (lb/hr)	SO2 Emissions from EU-5* (lb/hr)	Total SO2 Emissions (lb/hr)

* The pound per hour SO2 emission rates presented in this table should be equivalent to those presented in the reporting forms found on the following pages.

9 No deviation occurred in this month.
9 Deviation/s occurred in this month.

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 Monthly Report

Source Name: Carmeuse Lime, Inc.
Source Address: One North Carmeuse Drive, Gary, Indiana 46402
Mailing Address: One North Carmeuse Drive, Gary, Indiana 46402
Part 70 Permit No.: T089-6140-00112
Facility: Rotary Kiln #1 (EU-1)
Limit: 80 pounds of SO2 per hour

Time/ Date of Sample	Sulfur Content of Limestone (%S wt.)	Throughput of Limestone (lb/hr)	Sulfur Content of Coal (%S wt.)	Throughput of Coal (lb/hr)	Sulfur Content of Lime (%S wt.)	Lime Production (lb/hr)	Sulfur Content of Flue Dust (%S wt.)	Flue Dust Production (lb/hr)	SO2 Emissions (lb/hr)

9 No deviation occurred in this month.
9 Deviation/s occurred in this month.
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 Monthly Report

Source Name: Carmeuse Lime, Inc.
Source Address: One North Carmeuse Drive, Gary, Indiana 46402
Mailing Address: One North Carmeuse Drive, Gary, Indiana 46402
Part 70 Permit No.: T089-6140-00112
Facility: Rotary Kiln #2 (EU-2)
Limit: 80 pounds of SO2 per hour

Time/ Date of Sample	Sulfur Content of Limestone (%S wt.)	Throughput of Limestone (lb/hr)	Sulfur Content of Coal (%S wt.)	Throughput of Coal (lb/hr)	Sulfur Content of Lime (%S wt.)	Lime Production (lb/hr)	Sulfur Content of Flue Dust (%S wt.)	Flue Dust Production (lb/hr)	SO2 Emissions (lb/hr)

9 No deviation occurred in this month.
9 Deviation/s occurred in this month.

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 Monthly Report

Source Name: Carmeuse Lime, Inc.
Source Address: One North Carmeuse Drive, Gary, Indiana 46402
Mailing Address: One North Carmeuse Drive, Gary, Indiana 46402
Part 70 Permit No.: T089-6140-00112
Facility: Rotary Kiln #3 (EU-3)
Limit: 80 pounds of SO2 per hour

Time/ Date of Sample	Sulfur Content of Limestone (%S wt.)	Throughput of Limestone (lb/hr)	Sulfur Content of Coal (%S wt.)	Throughput of Coal (lb/hr)	Sulfur Content of Lime (%S wt.)	Lime Production (lb/hr)	Sulfur Content of Flue Dust (%S wt.)	Flue Dust Production (lb/hr)	SO2 Emissions (lb/hr)

9 No deviation occurred in this month.
9 Deviation/s occurred in this month.

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 Monthly Report

Source Name: Carmeuse Lime, Inc.
Source Address: One North Carmeuse Drive, Gary, Indiana 46402
Mailing Address: One North Carmeuse Drive, Gary, Indiana 46402
Part 70 Permit No.: T089-6140-00112
Facility: Rotary Kiln #4 (EU-4)
Limit: 80 pounds of SO2 per hour

Time/ Date of Sample	Sulfur Content of Limestone (%S wt.)	Throughput of Limestone (lb/hr)	Sulfur Content of Coal (%S wt.)	Throughput of Coal (lb/hr)	Sulfur Content of Lime (%S wt.)	Lime Production (lb/hr)	Sulfur Content of Flue Dust (%S wt.)	Flue Dust Production (lb/hr)	SO2 Emissions (lb/hr)

9 No deviation occurred in this month.
9 Deviation/s occurred in this month.

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 Monthly Report

Source Name: Carmeuse Lime, Inc.
Source Address: One North Carmeuse Drive, Gary, Indiana 46402
Mailing Address: One North Carmeuse Drive, Gary, Indiana 46402
Part 70 Permit No.: T089-6140-00112
Facility: Rotary Kiln #5 (EU-5)
Limit: 80 pounds of SO2 per hour

Time/ Date of Sample	Sulfur Content of Limestone (%S wt.)	Throughput of Limestone (lb/hr)	Sulfur Content of Coal (%S wt.)	Throughput of Coal (lb/hr)	Sulfur Content of Lime (%S wt.)	Lime Production (lb/hr)	Sulfur Content of Flue Dust (%S wt.)	Flue Dust Production (lb/hr)	SO2 Emissions (lb/hr)

9 No deviation occurred in this month.
9 Deviation/s occurred in this month.

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: Carmeuse Lime, Inc.
Source Address: One North Carmeuse Drive, Gary, Indiana 46402
Mailing Address: One North Carmeuse Drive, Gary, Indiana 46402
Part 70 Permit No.: T089-6140-00112
Facilities: Rotary kilns EU-1 through EU-5
Parameter: Lime produced
Limit: The total amount of lime produced from rotary kilns EU-1 through EU-5 shall not exceed 999,990 tons per twelve consecutive month period with compliance determined at the end of each month.

YEAR:

Month	Lime Produced This Month	Lime Produced Previous 11 Months	Lime Produced 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: Carmeuse Lime, Inc.
Source Address: One North Carmeuse Drive, Gary, Indiana 46402
Mailing Address: One North Carmeuse Drive, Gary, Indiana 46402
Part 70 Permit No.: T089-6140-00112
Facilities: Pugmills EU-18 and EU-19
Parameter: Lime processed
Limit: The total lime processed by pugmills EU-18 and EU-19 shall not exceed 268,000 tons per twelve consecutive month period with compliance determined at the end of each month.

YEAR:

Month	Lime Processed This Month	Lime Processed Previous 11 Months	Lime Processed 12 Month Total
Month 1			
Month 2			
Month 3			

☐ No deviation occurred in this quarter.

☐ Deviation/s occurred in this quarter.
Deviation has been reported on:_____

Submitted by: _____
Title / Position: _____
Signature:_____
Date: _____
Phone: _____

Attach a signed certification to complete this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
Compliance Data Section

PART 70 OPERATING PERMIT
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT

Source Name: Carmeuse Lime, Inc.
Source Address: One North Carmeuse Drive, Gary, Indiana 46402
Mailing Address: One North Carmeuse Drive, Gary, Indiana 46402
Part 70 Permit No.: T089-6140-00112

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

This report shall be submitted quarterly based on a calendar year. Any deviation from the requirements, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. 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 ANo deviations occurred this reporting period@.

9 NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.

9 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: ____

Appendix A: Fugitive Dust Control Plan

CARMEUSE LIME, INC.
ONE NORTH CARMEUSE DRIVE
GARY, INDIANA 46402

1.0 IMPLEMENTATION

1.1 All procedures described in this document will be implemented as defined within 326 IAC 6-1-11.1. Any circumstances delaying or modifying the application of any part of the program will require notification of the appropriate individuals listed under the personnel responsibilities.

1.2 The enclosed Daily Treatment Log will be completed under the supervision of the General Foreman.

2.0 PERSONNEL RESPONSIBILITIES

2.1 Plant Manager and General Foreman

2.1.1 Ensure that supervisory personnel understand the plan procedures and that implementation is performed in a timely fashion.

2.1.2 Review the daily record keeping forms to ensure the plant procedures are being performed as required

2.1.3 When traveling throughout the plant, note whether the plant procedures have been implemented, and their effectiveness towards the control of fugitive emissions.

2.1.4 Advise the Area Operations Manager of any plan implementation problems, proposed postponement, or proposed modification of plan implementation.

2.2 Supervisory Personnel

2.2.1 Department supervisors, shift supervisors, and foremen will select and instruct the appropriate personnel who will implement the plan procedures.

2.2.2 Review the daily record keeping forms prior to forwarding to the Plant Manager.

2.2.3 Advise the Plant Manager or Production Superintendent of any problems with the fugitive dust operating plan.

2.3 Plant Personnel

2.3.1 Will perform the appropriate assigned activity as required by the plan procedures.

2.3.2 Will complete the record keeping forms with the appropriate information upon completion of any plan procedure.

2.3.3 Will notify supervisory personnel of any fugitive dust emissions in the plant that require attention.

2.3.4 Will notify supervisory personnel of the control effectiveness or lack therein of plan procedures.

3.0 COMPLIANCE DETERMINATION

3.1 The plant supervisory personnel will review on a daily basis the plant areas that are subject to fugitive dust control needs and/or actions. Comments of daily reviews will be included as necessary on the Daily Treatment Log Sheet.

3.2 Review of record keeping information

3.3 Submit to the Indiana Department of Environmental Management a performance report on a quarterly basis identifying the dates and the number of times when specified control measures were not implemented as required

4.0 FACILITY DESCRIPTION

The Buffington plant utilizes limestone as a feedstock which is fired in rotary kilns to produce lime products.

5.0 LOADING or UNLOADING of OPEN STOCKPILES and BULK MATERIALS

5.1 Transportation of Bulk Materials

5.1.1 Limestone

Limestone is crushed, sized, and washed prior to shipment to the Buffington plant. Consequently, the amount of material less than 200 mesh (silt content) is less than 1%. This factor, in addition to the material containing approximately 3% moisture as received, helps eliminate fugitive emissions from occurring during bulk material transfer operations.

The limestone is shipped to the Buffington plant by lake boats. The lake boats are unloaded using adjustable height conveyors to minimize the drop distance of the stone thereby minimizing fugitive dust emissions. Moisture content causes aggregation of the less than 200 mesh material to the surface of the larger particles.

Any significant rainfall soaks the interior of the limestone stockpiles and drying is a very slow process. Conveyors and front-end loaders are used for both the loading and unloading of limestone from the stockpiles. Approximate annual throughput for the stockpiles is 1,800,000 tons.

5.1.2 Fuel

Fuel is received by truck and unloaded directly to the stockpile or to the below-grade hopper. A front-end loader moves the fuel to the aforementioned below-grade hopper.

The fuel silt content is approximately 5% by weight. This factor, in addition to the fuel having moisture content of approximately 9.5% as received, helps eliminate fugitive emissions from occurring during fuel transfer operations.

Any significant rainfall soaks the interior of the fuel stockpiles and drying is a very slow process. Approximate annual throughput for the stockpiles is 250,000 tons.

5.2 Transportation of Bulk Lime and Kiln By-Product

Both these materials are transported from the facility in haul trucks and rail cars which are not the property of Carmeuse Lime, Inc.. Open bed trucks are required to be equipped

with tarpaulins which cover the bed of the truck. Covering of the bed of the truck is performed by the respective truck operator prior to exiting the plant.

In addition to the open bodied haul trucks and rail cars, blower type trucks are used to haul lime and kiln by-product from the Buffington plant. Since these truck types are completely enclosed no tarpaulin covers are required.

Rail cars and trucks are loaded in the loadout areas, which are equipped with telescoping spouts that are lowered over the rail cars and trucks. The spouts are vented to a dust collector that filters the displaced air/dust from the rail cars and trucks as the material is loaded.

Cleaning of the wheels and bodies of the trucks is the responsibility of each truck operator. It is also the responsibility of the truck operator to maintain the body of the truck in good condition to ensure that material does not leak out during shipment. Truck wheel and body cleaning takes place at the loadout areas or at hatch stations.

The loadout area housekeeping and maintenance is a designated responsibility of the individual operator for each shift. The plant has a water truck permanently located at the site for use in cleaning plant roadways. The plant supervisor will ensure that the housekeeping procedures are followed.

The plant speed limit is 8 mph and it is strictly enforced as both a safety and fugitive dust control.

5.3 Outdoor Conveying

5.3.1 Limestone

Limestone is transferred by either gravimetric feed or front-end loader to a below-grade hopper. The hopper feeds a covered conveyor system which transfers the limestone to enclosed storage silos. The moisture content of the limestone makes venting of the conveyor transfer points unnecessary.

5.3.2 Lime

Transfer of lime product is by covered conveyor systems. Conveyor transfer points control particulate fugitive emissions via dust collectors.

5.3.3 Material Collected by Kiln Baghouses

Materials from Kilns No. 1, 2, and 3 are pneumatically conveyed to an enclosed storage bin. Materials from Kilns No. 4 and 5 are transferred by enclosed screw conveyors and enclosed bucket elevators to an enclosed storage bin. Storage bins are equipped with dust collectors.

5.3.4 Fuel

Fuel is transferred by either gravimetric feed or front-end loader to a below-grade hopper. The hopper feeds a covered conveyor system which transfers the fuel to an enclosed storage silo. The moisture content of the fuel makes venting of the conveyor transfer points unnecessary.

5.4 Paved Roads and Parking Areas

Primary roadways and parking areas at the Buffington plant are paved.

5.4.1 Listing of Roadway Segments (All distances are approximate)

5.4.1.1 Plant Entry Segment – Seven hundred ninety (790) feet long and thirty (30) feet wide. Distance is from the entry onto plant property to the junction of the plant loop road.

5.4.1.2 Plant Loop Segment – One thousand seven hundred forty (1,740) feet long and twenty-five (25) feet wide. Includes the roadway route under the west product loadout area.

5.4.1.3 Under Kiln Segment – Two hundred fifty (250) feet long and twenty-five (25) feet wide.

5.4.1.4 Employee Parking Entry Road and Parking Lot Segment – Two hundred fifty five (255) feet long and twenty feet wide. The parking lot is three hundred ninety (390) feet long and two hundred seventy (270) feet wide.

5.4.1.5 Service Building Parking Lot Segment – One hundred seventy (170) feet long and forty two (42) feet wide.

5.4.1.6 East Product Loadout Segment – Four hundred eighty (480) feet long and twenty (20) feet wide.

5.4.1.7 Center Bay Loadout Segment – One hundred twenty (120) feet long and twenty (20) feet wide.

5.4.2 Vehicle Traffic Volume

The traffic volume on the plant roadways varies directly with lime production rates.

Approximate vehicular traffic volumes and mileage are estimated as follows:

Material Shipped	Vehicle Type	Number of Vehicle Trips per Year	Annual Vehicle Miles on Site
Lime	Trucks	23,010	11,505
Envirolime	Trucks	2,640	1,320
-	Plant Vehicles	1095	1,083
-	Employee Vehicles	24,455	3,000

5.4.3 Control Action -The active paved roadways will be watered and/or swept as needed except as specified in AP-42 on those days when precipitation exceeds 0.1 inch, or on those days when freezing conditions could create a safety hazard.

5.5 Unpaved Roads

5.5.1 Segment to Dockside Limestone Unload Location – This unpaved roadway is approximately one thousand four hundred (1,400) feet long and twenty (20) feet wide. The road is typically used once a day by a front-end loader traveling to the stockpile area. Occasionally, a plant pick-up truck will use the roadway.

5.5.2 Segment around limestone storage area – This unpaved roadway is approximately eight hundred forty (840) feet long and twenty (20) feet wide. Roadway length and activity fluctuates significantly with season. Use of this roadway is the same as that of the Dockside Limestone Unload Location.

5.5.3 Segment leading to and from the new scale on the southwest side of the plant from the kiln area is approximately two thousand two hundred (2200) feet long and twenty (20) feet wide.

5.5.4 Control Action – The active unpaved roadways will be watered as needed except on those days when precipitation exceeds 0.1 inch, or on those days when freezing conditions could create a safety hazard.

5.6 Unpaved Plant Areas

5.6.1 Area Inside the Plant Loop Paved Roadway Segment – The area beneath the kilns is approximately twelve thousand four hundred and ninety three (12,493) square feet.

5.6.2 Area North of Kiln Baghouses – This area is approximately twenty seven thousand (27,000) square feet. The area may be used for the transfer of “pugged” Envirolime and lime. Envirolime or lime is mixed with water (pugged) and transferred to truck for transport. Procedures call for pugged flue dust (high moisture content) to be stored in piles until transportation can be obtained

5.6.3 Control Action – The active unpaved areas will be watered as needed except as specified in AP-42 on those days when precipitation exceeds 0.1 inch, or on those days when freezing conditions could create a safety hazard.

5.7 Stockpiles

5.7.1 Limestone
The limestone stockpiles are worked by section, with the bulk of the stock remaining undisturbed. Unloading operations from the lake boats to the dock area occur on an average of once per week for 8 hours each delivery during the months of April through December.

The limestone typically retains a moisture content of approximately 3%. This moisture content effectively controls fugitive emissions from the stockpile.

The limestone stockpile is not treated with chemical surfactants for quality control reasons. High purity, very low contaminant, lime products are required by our customers.

The front-end loader used to work the stockpiles does not generate significant fugitive emissions due to the moisture content of the limestone. If conditions warrant, the water truck will be used to minimize fugitive dust generation.

5.7.2 Fuel
The fuel stockpile is generally worked by section with the bulk of the stock remaining undisturbed. If conditions warrant, the water truck will be used to minimize fugitive dust generation in this area. The fuel supplied generally has a moisture content of eight percent.

6.0 CONDITIONS WHICH WILL PREVENT CONTROL MEASURES and PRACTICES from IMPLEMENTATION

All equipment used to implement control measures identified in this plan have replacement components or substitutes that can be employed within a reasonable time frame.

7.0 FUGITIVE DUST EMISSIONS OBSERVATIONS

Observations will be made on a monthly basis of the following activities:

7.1 The average instantaneous opacity of fugitive particulate emissions from a paved and unpaved roads shall not exceed ten percent (10%). The average instantaneous opacity shall be the average of twelve (12) instantaneous opacity readings, taken for four (4) vehicle passes, consisting of three (3) opacity readings for each vehicle pass. The three (3) opacity readings for each vehicle pass shall be taken as follows:

(A) The first shall be taken at the time of emission generation.

(B) The second shall be taken five (5) seconds later.

(C) The third shall be taken five (5) seconds later or ten (10) seconds after the first.

The three (3) readings shall be taken at the point of maximum opacity. The observer shall stand approximately fifteen (15) feet from the plume and at approximately right angles to the plume. Each reading shall be taken approximately four (4) feet above the surface of the roadway or parking area.

7.2 The average instantaneous opacity of fugitive particulate emissions from batch transfer shall not exceed ten percent (10%). The average instantaneous opacity shall consist of the average of three (3) opacity readings taken five (5) seconds, ten (10) seconds, and fifteen (15) seconds after the end of one (1) batch loading or unloading operation. The three (3) readings shall be taken at the point of maximum opacity. The observer shall stand approximately fifteen (15) feet from the plume and at approximately right angles to the plume.

7.3 The opacity due to wind erosion from storage piles and exposed areas shall be determined using 40 CFR 60, Appendix A, Method 9, except that the opacity shall be observed at approximately four (4) feet from the surface at the point of maximum opacity. The observer shall stand approximately fifteen (15) feet from the plume and at approximately right angles to the plume. The opacity of fugitive particulate emissions from exposed areas shall not exceed ten percent (10%) on a six (6) minute average.

7.4 The opacity of fugitive particulate emissions from the in-plant transportation of material by front end loaders and skip hoists shall not exceed ten percent (10%). Compliance with this limitation shall be determined by the average of three (3) opacity readings taken at five (5) second intervals. The three (3) opacity readings shall be taken as follows:

(A) The first shall be taken at the time of emission generation.

(B) The second shall be taken five (5) seconds later.

(C) The third shall be taken five (5) seconds later or ten (10) seconds after the first.

The three (3) readings shall be taken at the point of maximum opacity. The observer shall stand at least fifteen (15) feet from the plume approximately and at right angles to the plume. Each reading shall be taken approximately four (4) feet above the surface of the

roadway or parking area.

7.5 Material transported by truck or rail that is enclosed and covered is considered in compliance with the in-plant transportation requirement of zero (0) percent opacity.

Appendix A

DAILY TREATMENT LOG

Item / Day of Week	SUN	MON	TUE	WED	THU	FRI	SAT	Comments
Date (XX/XX/XX):								
# of Gallons Applied:								
Application Rate (1):								
Method of Application (2):								
Treatment Area - Paved Roads								
Plant Entry Segment								
Plant Loop Segment								
Under Kilns Segment								
Employee Parking Segment								
Service Building Lot Segment								
East Product Loadout Segment								
Center Bay Loadout Area								
West Loadout Area								
Treatment Area - Unpaved Roads								
Segment to Dockside Limestone Pile								
Segment Around East Limestone Pile								
Treatment Area - Other Unpaved Roads								
Area Inside Plant Loop Paved Roadway								
Area North of Kiln Baghouses								
Railroad Tracks								
Other								
Weather Conditions								
C = Clear; S = Snow; R = Rain; L = Sleet/Hail; O = Overcast								
Wind Speed (mph)								
Wind Direction								
Temperature (deg F)								

(1) Application Rate: H = Heavy, M = Medium; L = Light;

(2) Method of Application: W = Water Truck, N = Not Necessary (wet/snow cover), U = Operator Unavailable

Indiana Department of Environmental Management
Office of Air Quality

Addendum to the Technical Support Document for a Significant Permit Modification to a Part 70 (Title V) Operating Permit

Source Background and Description

Source Name:	Carmeuse Lime, Inc.
Source Location:	1 North Carmeuse Drive, Gary IN 46402
County:	Lake
SIC Code:	3274
Significant Permit Modification No.:	089-23753-00112
Permit Reviewer:	ERG/ST

On December 22, 2006, the Office of Air Quality (OAQ) had a notice published in the Post Tribune in Merrillville, Indiana and The Times in Munster, Indiana, stating that Carmeuse Lime, Inc. had applied for a Significant Permit Modification to a Part 70 (Title V) Operating Permit to construct and operate two (2) lime handling systems with control. The notice also stated that OAQ proposed to issue a permit for this operation and provided information on how the public could review the proposed permit and other documentation. Finally, the notice informed interested parties that there was a period of thirty (30) days to provide comments on whether or not this permit should be issued as proposed.

On January 19, 2007, Carmeuse Lime, Inc. submitted comments on the proposed Significant Permit Modification to a Part 70 (Title V) Operating Permit. The summary of the comments is as follows:

Comment 1: In Condition D.1.11(b) of the permit, change the normal pressure drop range across the baghouses to 1.0 and 7.0 inches of water. The manufacturer of the baghouses (F.L. Smidth Airtech, Inc.) has verified that the baghouse operates properly at this pressure drop range. This is the normal operating range for these baghouses.

IDEM Response to Comment 1: The permit has been changed as follows:

D.1.11 Monitoring for Baghouses

. . .

(b) When, for any one reading, the pressure drop across the baghouse is outside the normal range of ~~2.0~~ **1.0** and ~~8.0~~ **7.0** inches of water, or a range established during the last 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.

. . .

Upon further review, the OAQ has decided to make the following revisions to the permit (bolded language has been added, the language with a line through it has been deleted). The Table of Contents has been modified, if applicable, to reflect these changes.

1. The Gary Department of Environmental Affairs (GDEA) is not contracted by IDEM to permit Title V sources. All references to GDEA have been removed from the title page, Sections B and C, and the reporting forms in the permit.

2. The rule citation for 40 CFR 64 has been added to Condition D.2.9 in the Table of Contents.

D.2.9 Visible Emissions Notations **[40 CFR 64]**

3. The rule citation for Condition D.3.2 in the Table of Contents has been corrected to read "Lake County Fugitive Particulate Matter Emission Limitations".

D.3.2 Lake County Fugitive Particulate Matter ~~Control Requirements~~ **Emission Limitations** [326 IAC 6.8-10-3]

4. The language in paragraph (c) of Condition C.18 has been corrected as follows:

C.18 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6] [326 IAC 2-2][326 IAC 2-3]

. . .

(c) If there is a reasonable possibility that a “project” (as defined in 326 IAC 2-2-1(qq)) at an existing emissions unit, other than projects at a Clean Unit (or at a source with Plant-wide Applicability Limitation (PAL)), which is not part of a “major modification” (as defined in 326 IAC 2-2-1(ee)) may result in significant emissions increase and the Permittee elects to utilize the “projected actual emissions” (as defined in 326 IAC 2-2-1(rr) and/or **326** IAC 2-3-1(mm)), the Permittee shall comply with following:

5. The language in paragraph (g) of Condition C.19 has been corrected as follows:

C.19 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11] [326 IAC 2-2][326 IAC 2-3]

. . .

(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:

6. The rule citations in the tables in Conditions D.1.3(a) and D.2.5(a) have been corrected as follows:

D.1.3 Lake County PM_{10} Emission Requirements [326 IAC 6.8-2-22][326 IAC 6.8-8]

(a) Pursuant to 326 IAC 6.8-2-22, the facilities listed in the chart below shall not exceed the respective PM_{10} emission limits:

Facility (as listed in 326 IAC ~~6-1-10.1~~ **6.8-2-22**)	Emission Unit ID	Control Device ID	PM_{10} Emission Limits	
			(lbs/ton)	(lbs/hr)
Rotary Kiln #1	EU-1	CE-1	0.478	9.950
Rotary Kiln #2	EU-2	CE-2	0.478	9.950
Rotary Kiln #3	EU-3	CE-3	0.478	9.950
Rotary Kiln #4	EU-4	CE-4	0.478	9.950
Rotary Kiln #5	EU-5	CE-5	0.478	9.950

. . .

D.2.5 Lake County PM_{10} Emission Requirements [326 IAC 6.8-2-22][326 IAC 6.8-8]

(a) Pursuant to 326 IAC 6.8-2-22, the facilities listed in the chart below shall not exceed the respective PM_{10} emission limits:

Facility (as listed in 326 IAC ~~6-1-10.1~~ **6.8-2-22**)	Emission Unit(s) ID	Control Device ID	PM_{10} Emission Limits	
			(lbs/ton)	(lbs/hr)
Fluedust Loadout #1	EU-17	CE-10	0.003	0.110
Fluedust Loadout #2	EU-16	CE-9	0.003	0.100
Lime Grinder	EU-15 EU-14	CE-6	0.015	0.44
Lime Handling Baghouse #1	EU-6, EU-24, and EU-28	CE-14	0.002	0.260
Lime Handling Baghouse #2	EU-7	CE-15	0.002	0.180
Lime Handling Baghouse #3	EU-8	CE-13	0.0004	0.050
Lime Handling Baghouse #4	EU-11	CE-25	0.001	0.13
Lime Loadout Baghouse #1	EU-12	CE-7	0.0004	0.050
Lime Loadout Baghouse #2	EU-13	CE-8	0.0004	0.050

. . .

7. The language in paragraphs (a) and (b) of Condition D.1.13 has been corrected as follows:

D.1.13 Broken or Failed Bag Detection

(a) For ~~a~~ single compartment baghouses 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 ~~have~~ **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 emissions 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).

8. This source does not utilize a continuous opacity monitoring system. Condition D.1.16(c)(1) has been corrected as follows:

D.1.16 Record Keeping Requirements

. . .

(c) To document compliance with Condition D.1.10, the Permittee shall maintain records of~~:~~

~~(1) All opacity measurements, evaluations, calibration checks, adjustments, and maintenance performed on the continuous monitoring system; or~~

~~(2) The~~ **the** once per day visible emission notations required by Condition D.1.10.

9. The Permittee is required to monitor visible emissions for emission units EU-40 and EU-42 (Condition D.2.9) and monitor pressure drop readings for EU-41, EU-42, and EU-43 (Condition D.2.10) because these emissions units must be monitored in order to ensure compliance with the emission limits in Condition D.2.3. Conditions D.2.9(a) and D.2.10(a) have been changed as follows:

D.2.9 Visible Emissions Notations [40 CFR 64]

(a) Visible emission notations of the stack exhaust from facilities EU-9, EU-18, EU-19, EU-25, EU-17, EU-16, EU-15, EU-14, EU-6, EU-24, EU-28, EU-7, EU-8, EU-11, EU-12, EU-13, EU-32, **EU-40,** EU-41**, EU-42,** and EU-43 shall be performed once per day during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.

. . .

D.2.10 Monitoring for Baghouses

(a) The Permittee shall record the pressure drop across the baghouses, used in conjunction with facilities EU-9, EU-18, EU-19, EU-25, EU-17, EU-16, EU-15, EU-14, EU-6, EU-24, EU-28, EU-7, EU-8, EU-11, EU-12, EU-13, ~~and~~ EU-32**, EU-40, EU-41, EU-42, and EU-43** at least once per day when the respective facilities are in operation.

10. The language in paragraphs (a) and (b) of Condition D.2.12 has been corrected as follows:

D.2.12 Broken or Failed Bag Detection

(a) For ~~a~~ single compartment baghouses 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 ~~have~~ **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 emissions 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).

11. IDEM, OAQ has decided to remove the information regarding the Authorized Individual from Section A.1 of the permit. Listing the name and/or title in the permit has resulted in unnecessary administrative amendments and notice-only changes in the past. Therefore, IDEM, OAQ does not

consider it beneficial to maintain or update this information in the permits. IDEM, OAQ will continue to 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 stationary metal strapping manufacturing operation

~~Responsible Official: Area Operations Manager~~

Indiana Department of Environmental Management
Office of Air Quality

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

Source Description and Location

Source Name:	Carmeuse Lime, Inc.
Source Location:	1 North Carmeuse Drive, Gary IN 46402
County:	Lake
SIC Code:	3274
Operation Permit No.:	T 089-6140-00112
Operation Permit Issuance Date:	June 29, 2004
Significant Permit Modification No.:	089-23753-00112
Permit Reviewer:	ERG/ST

Existing Approvals

The source was issued Part 70 Operating Permit No. 089-6140-00112 on June 29, 2004. The source has since received the following approval:

(a) Administrative Amendment No. 089-20318-00112, issued on February 28, 2006, and

(b) Minor Source Modification No. 089-23502-00112, issued November 17, 2006.

County Attainment Status

The source is located in Lake County.

Pollutant	Status
PM10	Maintenance Attainment
PM2.5	Nonattainment
SO_2	Attainment
NO_2	Attainment
8-hour Ozone	Nonattainment
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 redesignating Lake County to Attainment for Sulfur Dioxide and revoking the one-hour ozone standard in Indiana.

(a) Volatile organic compounds (VOC) and nitrogen oxides (NOx) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NOx emissions are considered when evaluating the rule applicability relating to the ozone standards. Lake County has been designated as nonattainment for the 8-hour ozone standard. Therefore, VOC and NOx emissions were reviewed pursuant to the requirements for Emission Offset, 326 IAC 2-3.

(b) U.S. EPA, in the Federal Register Notice 70 FR 943 dated January 5, 2005, has designated Lake County as nonattainment for PM2.5. On March 7, 2005 the Indiana Attorney General's Office, on behalf of IDEM, filed a law suit with the Court of Appeals for the District of Columbia Circuit challenging U.S. EPA's designation of nonattainment areas without sufficient data. However, in order to ensure that sources are not potentially

liable for a violation of the Clean Air Act, the OAQ is following the U.S. EPA's guidance to regulate PM10 emissions as a surrogate for PM2.5 emissions pursuant to the requirements of Emission Offset, 326 IAC 2-3.

(c) Lake County has been classified as attainment or unclassifiable 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) Since this source is classified as a lime plant (326 IAC 2-7-1(22)(B)(xi)), it is considered to be in one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(gg)(1).

(e) Fugitive Emissions
Since this type of operation is in one of the twenty-eight (28) listed source categories under 326 IAC 2-2 or 326 IAC 2-3, fugitive emissions are counted toward the determination of PSD and Emission Offset 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 250
PM10	Greater than 250
SO_2	Greater than 250
VOC	Less than 25
CO	Greater than 100
NO_x	Greater than 250

(a) This existing source is a major stationary source, under PSD (326 IAC 2-2), because a regulated pollutant is emitted at a rate of 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) This existing source is a major stationary source under Emission Offset (326 IAC 2-3) because NOx and PM10 are emitted at a rate of 100 tons per year or more. Lake County is designated as nonattainment for 8-hour ozone and PM2.5. Per EPA guidance, emissions of PM10 are considered equivalent to emissions of PM2.5, as PM10 is considered a surrogate for PM2.5.

(c) These emissions are based upon the Technical Source Document for the source's current Title V permit (089-6140-00112).

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)
Hydrogen Chloride	Greater than 25
Miscellaneous HAPs from Coal Combustion	Less than 10 each
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 a 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	73
PM10	14
SO_2	544
VOC	0
CO	480
NO_x	993
HAP	Not reported

Description of Proposed Modification

The Office of Air Quality (OAQ) has reviewed a modification application, submitted by Carmeuse Lime, Inc. on August 14, 2006, relating to the addition of two (2) lime handling systems. The following is a list of the proposed emission units and pollution control devices:

(a) One (1) Lime Transfer System #1, identified as EU-40/41, approved for construction in 2006, with a maximum capacity of 55 tons of lime per hour, consisting of a hopper, piping and storage tank T4, for transporting lime using high pressure pneumatic conveyance methods, with emissions controlled by bin vent filters, and exhausting to stacks S-40 (ALG-490) and S-41 (ALG-430), respectively.

(b) One (1) Lime Transfer System #2, identified as EU-42/43, approved for construction in 2006, with a maximum capacity of 80 tons of lime per hour, consisting of a hopper, piping and storage tank T1A, for transporting lime using high pressure pneumatic conveyance methods, with emissions controlled by bin vent filters, and exhausting to stacks S-42 (ALG-470) and S-43 (ALG-410), respectively.

The lime transfer units are being added to transport lime from an existing conveyor and an existing storage tank to other locations at the plant. The addition of these units does not result in debottlenecking any other units. PTE of other existing units does not increase as a result of the addition of these lime transfer units.

Integral Part of the Process Determination

The company has submitted the following justification such that the bin vent filters be considered as an integral part of the lime transfer process:

The lime is transferred using high pressure pneumatic conveyance methods and the bin vent filters are necessary to retain product and separate air from product when it reaches its destination.

IDEM, OAQ has evaluated the information submitted and has determined that the bin vent filters should not be considered an integral part of the pneumatic conveyance systems. This determination is based on the following:

(a) Pneumatic conveyance system do require containment of the conveyed material for proper operation. However, this alone does not guarantee that the system is properly operated and maintained to prevent leaks.

(b) The primary purpose of the bin vent filters is to control particulate. These filters are necessary for compliance with a RACT limit in the permit of 0.03 gr/dscf (326 IAC 6.8-1-2).

(c) The Permittee did not submit adequate information on cost savings to show that the bin vent filters provide an overwhelming net economic benefit.

Therefore, the permitting level will be determined using the potential to emit before the bin vent filters.

Enforcement Issues

There are no pending enforcement actions.

Stack Summary

Stack ID	Operation	Height (feet)	Diameter (feet)	Flow Rate (acfm)	Temperature (^{0}F)
S-40 (ALG-490)	EU-40	84.3	0.33	210	Ambient
S-41 (ALG-430)	EU-41	17.7	0.83	4950	Ambient
S-42 (ALG-470)	EU-42	13.5	0.33	210	Ambient
S-43 (ALG-410)	EU-43	98.4	0.83	4950	Ambient

Emission Calculations

See Appendix A of this document for detailed emission calculations (page 1 of 1).

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	775
PM10	775
SO_2	0
VOC	0
CO	0
NO_x	0

Emission Unit ID	Pollutant	RACT Limit (g/dscf)	PTE of PM (tons/year)
EU-40	PM	0.03	0.24
EU-41	PM	0.03	5.58
EU-42	PM	0.03	0.24
EU-43	PM	0.03	5.58
		Total for Modification	11.6

Note: the RACT limit (326 IAC 6.8-1-2(a)) for these emission units is 0.03 grains per dry standard cubic foot. PTE represents emissions under the RACT limit, if the source operates these units at 8760 hours per year.

This source modification is subject to 326 IAC 2-7-10.5(d)(5) because this modification is subject to a Reasonably Available Control Technology (RACT)(326 IAC 6.8-1-2(a)) and this RACT is the most stringent applicable requirement. The Minor Source Modification 089-23502-00112 was issued on November 17, 2006.

Additionally, the modification will be incorporated into the Part 70 Operating Permit through a significant permit modification issued pursuant to 326 IAC 2-7-12(b)(1)(B), and 326 IAC 2-7-12(B)(1)(D) because this modification involves a significant change to monitoring and recordkeeping requirements in the Part 70 permit and seeks to establish a Part 70 permit term or condition for which there is no underlying applicable requirement and which the source has assumed to avoid an applicable requirement to which the source would otherwise be subject.

Permit Level Determination – PSD or Emission Offset

The table below summarizes the potential to emit, reflecting all limits, of the emission units. Any control equipment is considered federally enforceable only after issuance of this Part 70 source modification, and only to the extent that the effect of the control equipment is made practically enforceable in the permit.

	Limited Potential to Emit (tons/year)					
Emission Unit ID (Stack ID)	**PM***	**PM10***	**SO_2**	**VOC**	**CO**	**NO_X**
EU-40 (S-40, ALG-490)	0.24	0.24	0	0	0	0
EU-41 (S-41, ALG-430)	5.58	5.58	0	0	0	0
EU-42 (S-42, ALG-470)	0.24	0.24	0	0	0	0
EU-43 (S-43, ALG-410)	5.58	5.58	0	0	0	0
Total for Modification	11.6	11.6	0	0	0	0
Significant Level or Major Source Threshold	25	15	40	40	100	40

Note: The potential to emit of PM and PM10 is based on the allowable emission limit of 0.03 g/dscf in 326 IAC 6.8-1-2(a).

(a) This modification to an existing major stationary source is not major for PSD because the emissions increase in PM due to this modification is limited by conditions in the permit to less than the PSD significant level (25 tons per year). Therefore, pursuant to 326 IAC 2-2, the PSD requirements do not apply.

(b) Lake County has been designated as nonattainment for PM2.5 in 70 FR 943 dated January 5, 2005. According to the April 5, 2005 EPA memo titled "Implementation of New Source Review Requirements in PM2.5 Nonattainment Areas" authored by Steve Page, Director of OAQPS, until EPA promulgates the PM2.5 major NSR regulations, states should assume that a major stationary source's PM10 emissions represent PM2.5 emissions. IDEM will use the PM10 nonattainment major NSR program as a surrogate to address the requirements of nonattainment major NSR for the PM2.5 NAAQS. A significant emissions increase would be a net emissions increase or the potential of fifteen (15) tons per year or greater of PM10. This modification is not major for Emissions Offset because the potential to emit of PM10 due to the modification is limited by conditions in the permit to less than the Emission Offset significant level (15 tons per year). Therefore, assuming that PM10 emissions represent PM2.5 emissions, 326 IAC 2-3 does not apply for PM2.5.

Since this source is considered a major PSD source and a major Emission Offset source and the unrestricted potential to emit of this modification is greater than twenty-five (25) tons of PM per

year and fifteen (15) tons of PM_{10} per year, this source has elected to limit the potential to emit of this modification as follows:

(a) The PM emission rate from the lime transfer system, identified as EU-40, controlled by a bin vent filter and exhausting to stack S-40 (ALG-490), shall not exceed 0.05 pounds per hour.

(b) The PM10 emission rate from the lime transfer system, identified as EU-40, controlled by a bin vent filter and exhausting to stack S-40 (ALG-490), shall not exceed 0.05 pounds per hour.

(c) The PM emission rate from the lime transfer system, identified as EU-41, controlled by a bin vent filter and exhausting to stack S-41 (ALG-430), shall not exceed 1.27 pounds per hour.

(d) The PM10 emission rate from the lime transfer system, identified as EU-41, controlled by a bin vent filter and exhausting to stack S-41 (ALG-430), shall not exceed 1.27 pounds per hour.

(e) The PM emission rate from the lime transfer system, identified as EU-42, controlled by a bin vent filter and exhausting to stack S-42 (ALG-470), shall not exceed 0.05 pounds per hour.

(f) The PM10 emission rate from the lime transfer system, identified as EU-42, controlled by a bin vent filter and exhausting to stack S-42 (ALG-470), shall not exceed 0.05 pounds per hour.

(g) The PM emission rate from the lime transfer system, identified as EU-43, controlled by a bin vent filter and exhausting to stack S-43 (ALG-410), shall not exceed 1.27 pounds per hour.

(h) The PM10 emission rate from the lime transfer system, identified as EU-43, controlled by a bin vent filter and exhausting to stack S-43 (ALG-410), shall not exceed 1.27 pounds per hour.

Compliance with these emission limits will ensure that the potential to emit from this modification is less than twenty-five (25) tons of PM per year and less than fifteen (15) tons of PM10 per year and therefore will render the requirements of 326 IAC 2-2 (PSD) and 326 IAC 2-3 (Emission Offset) not applicable.

Federal Rule Applicability Determination

(a) The requirements of the New Source Performance Standards for Lime Manufacturing Plants (40 CFR Part 60 Subpart HH, 326 IAC 12) are not included in this source modification for the lime transfer systems (Lime Transfer System #1 (EU-40/41) and Lime Transfer System #2 (EU-42/43) because these facilities are not rotary lime kilns.

(b) The requirements of the New Source Performance Standards for Non-metallic Mineral Processing Plants (40 CFR 60, Subpart OOO, 326 IAC 12) are not included in this source modification for the lime transfer systems (Lime Transfer System #1 (EU-40/41) and Lime Transfer System #2 (EU-42/43)) because lime is not considered a non-metallic mineral pursuant to 40 CFR 60.671.

(c) The requirements of the National Emission Standards for Hazardous Air Pollutants from Lime Manufacturing Plants (40 CFR Part 63, Subpart AAAAA) are not included in this source modification for the lime transfer systems (Lime Transfer System #1 (EU-40/41) and Lime Transfer System #2 (EU-42/43)) because, pursuant to 40 CFR 63.7082, the lime transfer systems are not considered processed stone handling operations systems.

(d) Pursuant to 40 CFR 64.2, Compliance Assurance Monitoring (CAM) is applicable to new or modified emission units that involve a pollutant-specific emission unit and meet the following criteria:

(1) has a potential to emit before controls equal to or greater than the major source threshold for the pollutant involved;

(2) is subject to an emission limitation or standard for that pollutant; and

(3) uses a control device, as defined in 40 CFR 64.1, to comply with that emission limitation or standard.

The following table is used to identify the applicability of each of the criteria, under 40 CFR 64.1, to each new or modified emission unit involved:

Emission Unit (Pollutant)	Control Device Used	Emission Limitation (Y/N)	Uncontrolled PTE (tons/year)	Controlled PTE (tons/year)	Major Source Threshold (tons/year)	CAM Applicable (Y/N)	Large Unit (Y/N)
EU-40 (PM/PM10)	Bin vent filter	Y	19.7	0.16	100	N	N
EU-41 (PM/PM10)	Bin vent filter	Y	372	3.72	100	Y	N
EU-42 (PM/PM10)	Bin vent filter	Y	19.7	0.16	100	N	N
EU-43 (PM/PM10)	Bin vent filter	Y	372	3.72	100	Y	N

Based on this evaluation, EU-41 and EU-43 do not qualify as Large Pollutant Specific Emission units pursuant to 40 CFR 64.5(a). Therefore, CAM does not apply for these emission units upon Startup. The Permittee shall submit a CAM plan for these emission units with the permit renewal application.

State Rule Applicability Determination

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

326 IAC 2-2 and 2-3 (PSD and Emission Offset)

PSD and Emission Offset applicability is discussed under the Permit Level Determination - PSD and Emission Offset section.

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

The operation of EU-40, EU-41, EU-42, and EU-43 will emit will emit less than ten (10) tons per year for a single HAP and less than twenty-five (25) tons per year for a combination of HAPs. Therefore, 326 IAC 2-4.1 does not apply.

326 IAC 5-1 (Opacity Limitations)

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

(a) Opacity shall not exceed an average of twenty percent (20%) 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 6.8-1-2 (Particulate Matter Limitations for Lake County)

This source is located in Lake County, but the lime transfer systems are not specifically listed in 326 IAC 6.8-2 through 326 IAC 6.8-11. Pursuant to 326 IAC 6.8-1-2, the particulate emissions from EU-40, EU-41, EU-42, and EU-43 shall not exceed 0.03 grain per dry standard cubic foot.

326 IAC 6.8-10-1 (Lake County: Fugitive Particulate Matter)

The lime transfer systems are located in Lake County and are located at a source listed in 326 IAC 6.8-10-1(a)(2). Pursuant to 326 IAC 6.8-10-3(3), (7)(A), and (8), the particulate matter emissions from the lime transfer systems shall meet the following requirements:

(a) The average instantaneous opacity of fugitive particulate emissions from batch transfer shall not exceed ten percent (10%).

(b) The PM10 stack emissions from a material processing facility shall not exceed 0.022 grain per dry standard cubic foot and ten percent (10%) opacity.

(c) The opacity of particulate emissions from dust handling equipment shall not exceed ten percent (10%).

The Permittee shall comply with these limits by controlling fugitive particulate matter emissions according to the Fugitive Dust Control Plan (FDCP) attached as Appendix A to the permit.

326 IAC 6.8-11-1 (Lake County: Particulate Matter Contingency Measures)

The lime transfer systems are subject to the requirements of 326 IAC 6.8-11-1 because the source has a potential to emit PM10 greater than ten (10) tons per year and is located in Lake County.

326 IAC 6-4 (Fugitive Dust Emissions)

The lime transfer systems transport fine mineral powder through a completely enclosed system. However, if the system malfunctions, it could release fugitive dust. Pursuant to 326 IAC 6-4, the Permittee shall not generate fugitive dust to the extent that some portion of the material escapes 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.

326 IAC 6-5 (Fugitive Particulate Matter Limitations)

The source is not subject to the requirements of 326 IAC 6-5 because it is not located in an area listed in 326 IAC 6-5-1(a), and does not contain any facilities with the potential to emit fugitive PM greater than 25 tons per year which received a preconstruction approval after December 13, 1985.

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 monitoring requirements applicable to this modification (emission units EU-41 and EU-43) are as follows:

(a) Visible emission notations of the lime transfer systems stack exhausts (S-41 (ALG-430) and S-43 (ALG-410)) shall be performed once per day during normal daylight operations when exhausting to the atmosphere. 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.

These monitoring conditions are necessary because the bin vent filters for the lime transfer systems (emission units EU-41 and EU-43) must operate properly to ensure compliance with 40 CFR 64 (CAM).

Proposed Changes

The changes listed below have been made to Part 70 Operating Permit No. T089-6140-00112, issued on June 29, 2004. Deleted language appears as ~~strikethroughs~~ and new language appears in **bold**:

1. The following changes to Section A.1 - General Information have been made to reflect the changes in attainment status for Lake County since the Title V permit was issued.

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 lime manufacturing plant.

Responsible Official:	Area Operations Manager
Source Address:	One North Carmeuse Drive, Gary, Indiana 46402
Mailing Address:	One North Carmeuse Drive, Gary, Indiana 46402
Source Phone Number:	773-978-5349
SIC Code:	3274
County Location:	Lake
Source Location Status:	Nonattainment for ~~PM_{10}~~ ~~SO_2~~, **$PM_{2.5}$** and ~~ozone under 1-hour and~~ 8-hour **ozone** standards Attainment for all other criteria pollutants
Source Status:	Part 70 Permit Program Major Source under PSD~~;~~ **and** Emission Offset Rules ~~and Nonattainment NSR~~ 1 of 28 Source Categories Major Source under Section 112 of the Clean Air Act

2. Section A.2 has been updated to include the new emission units as follows:

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:

. . .

(l) One (1) Lime Handling System #2; identified as EU-7; constructed in 1966; a maximum capacity of 100 tons of lime per hour; emissions controlled by baghouse CE-15; exhausting to stack S-15.

(m) One (1) Lime Transfer System #1, identified as EU-40/41, approved for construction in 2006, with a maximum capacity of 55 tons of lime per hour, consisting of a hopper, piping and storage tank T4, for transporting lime using high pressure pneumatic conveyance methods, with emissions controlled by bin vent filters, and exhausting to stacks S-40 (ALG-490) and S-41 (ALG-430), respectively.

(n) One (1) Lime Transfer System #2, identified as EU-42/43, approved for construction in 2006, with a maximum capacity of 80 tons of lime per hour, consisting of a hopper, piping and storage tank T1A, for transporting lime using high pressure pneumatic conveyance methods, with emissions controlled by bin vent filters, and exhausting to stacks S-42 (ALG-470) and S-43 (ALG-410), respectively.

Lime Storage and Loadout

(~~m~~**o**) . . .

3. Sections B and C of the permit have been updated.

(a) Section B – General Conditions and Section C - Source Operation Conditions have been revised, deleted or added to the permit to clarify the permit and condition terms. Rule citations have been updated. When conditions are added or deleted, the other conditions are renumbered accordingly and the Table of Contents modified to reflect these changes**.**

(b) 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 deleted paragraph (b) of Section B – Preventive Maintenance and has amended the Section B – Emergency Provisions condition. IDEM has clarified the Section B Operational Flexibility condition.

(c) The duty to supplement an application is not an ongoing requirement after the permit is issued; therefore, (a) has been removed from Section B Duty to Provide Information.

(d) Indiana has incorporated the credible evidence provision in 326 IAC 1-1-6. This rule became effective March 16, 2005 and is incorporated into this permit under Section B Credible Evidence.

(e) The rule citation for Lake County Fugitive Dust Emissions, Condition C.5, has been updated.

(f) IDEM has determined that in order to avoid duplication of requirements that may be included in D sections, Section C Operation of Equipment has been removed from the permit.

(g) IDEM realizes that the specifications of Section C 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. IDEM 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.

(h) 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. The Section D conditions that refer to this condition have also been revised to reflect the new condition title.

(i) Operation of equipment was listed two places in the permit. IDEM has decided that it is best to have this requirement under compliance determination in the specific D conditions; therefore, it has been deleted from the C Section. Section C Asbestos Abatement Projects has been revised to clarify that the requirement to have an Indiana Accredited Asbestos inspector is not federally enforceable. Section C Risk Management Plan has been revised so that it is more straightforward, and the condition requires the source to comply with the applicable requirements of 40 CFR 68 if a regulated substance is present at a source in more than a threshold quantity.

(j) Section C. Emission Statement has been updated to include the specific rule cite that defines the regulated pollutants being referred to in this condition. The Permittee shall submit an emission statement certified pursuant to the requirements of 326 IAC 2-6. This statement must be received in accordance with the compliance schedule specified in 326 IAC 2-6-3 and must comply with the minimum requirements specified in 326 IAC 2-6-4. The submittal should cover the period identified in 326 IAC 2-6.

(k) It is acceptable for records to be electronically accessible instead of being physically present at a source; therefore, Section C General Record Keeping Requirements has been updated. Section C General Reporting Requirements has been updated to clarify the meaning of reporting periods and “calendar year”. It is no long necessary to have Section C Application Requirements for Section 112(j) in any new permits; therefore, the condition has been removed from this permit.

(l) The address, phone number, and facsimile number for IDEM has been updated.

~~**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]~~

~~(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 by the Gary Department of Environmental Affairs (Gary DEA).~~

~~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, and the Gary DEA, within a reasonable time, any information that IDEM, OAQ, and the Gary Department of Environmental Affairs, 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, and the Gary DEA, 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 April 15th of each year to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue,
Indianapolis, Indiana 46204-2251

and

Gary Department of Environmental Affairs
839 Broadway
Gary, Indiana 46402

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, and the Gary DEA, 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, and the Gary Department of Environmental Affairs, 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,
Indianapolis, Indiana 46204-2251

and

Gary Department of Environmental Affairs
839 Broadway
Gary, Indiana 46402

The PMP extension notification does not require the certification by the "responsible 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, and the Gary DEA upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ, and the Gary DEA. IDEM, OAQ, and the Gary DEA 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 "responsible 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, the Gary DEA, and the Northwest Regional Office within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

(IDEM, OAQ)
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

(Gary DEA)
Telephone Number: (219) 882-3007
Facsimile Number: (219) 882-3012

(Northwest Regional Office)
Telephone Number: 1-888-209-8892 or 219-881-6712
Facsimile Number: 219-881-6745

(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,
Indianapolis, Indiana 46204-2251

and

Gary Department of Environmental Affairs
839 Broadway
Gary, Indiana 46402

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

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

(A) A description of the emergency;

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

(C) Corrective actions taken.

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

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

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

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

(e) IDEM, OAQ, and the Gary DEA, 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, and the Gary DEA, 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, or the Gary DEA, 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, or the Gary DEA, 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, or the Gary DEA, 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,
Indianapolis, Indiana 46204-2251

and

Gary Department of Environmental Affairs
839 Broadway
Gary, Indiana 46402

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, or the Gary DEA 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, or the Gary DEA 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, or the Gary DEA, at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ, or the Gary DEA, 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 the Gary DEA, 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,
Indianapolis, Indiana 46204-2251

and

Gary Department of Environmental Affairs
839 Broadway
Gary, Indiana 46402

(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, and the Gary DEA, on or before the date it is due.

(2) If IDEM, OAQ, or the Gary DEA, 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, and the Gary DEA, 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, and the Gary DEA, 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, and the Gary DEA, 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,
Indianapolis, Indiana 46204-2251

and

Gary Department of Environmental Affairs
839 Broadway
Gary, Indiana 46402

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,
Indianapolis, Indiana 46204-2251

and

Gary Department of Environmental Affairs
839 Broadway
Gary, Indiana 46402

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, and the Gary DEA, 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 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][IC13-17-3-2] [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, the Gary DEA, 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,
Indianapolis, Indiana 46204-2251

and

Gary Department of Environmental Affairs
839 Broadway
Gary, Indiana 46402

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, or the Gary DEA, the applicable fee is due April 1st 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.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 C SOURCE OPERATION CONDITIONS

Entire Source

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

C.1 Opacity [326 IAC 5-1]

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

(a) Opacity shall not exceed an average of twenty percent (20%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.

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

C.2 Open Burning [326 IAC 4-1] [IC 13-17-9]

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

C.3 Incineration [326 IAC 4-2] [326 IAC 9-1-2]

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

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

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

C.5 Fugitive Dust Emissions [326 IAC 6-1-11.1]

Pursuant to 326 IAC 6-1-11.1 (Lake County Fugitive Particulate Matter Control Requirements), the particulate matter emissions from source wide activities shall meet the following requirements:

(a) The average instantaneous opacity of fugitive particulate emissions from a paved road shall not exceed ten percent (10%).

(b) The average instantaneous opacity of fugitive particulate emissions from an unpaved road shall not exceed ten percent (10%).

(c) The average instantaneous opacity of fugitive particulate emissions from batch transfer shall not exceed ten percent (10%).

(d) The opacity of fugitive particulate emissions from continuous transfer of material onto and out of storage piles shall not exceed ten percent (10%) on a three (3) minute average.

(e) The opacity of fugitive particulate emissions from storage piles shall not exceed ten percent (10%) on a six (6) minute average.

(f) There shall be a zero (0) percent frequency of visible emission observations of a material during the inplant transportation of material by truck or rail at any time.

(g) The opacity of fugitive particulate emissions from the inplant transportation of material by front end loaders and skip hoists shall not exceed ten percent (10%).

(h) There shall be a zero (0) percent frequency of visible emission observations from a building enclosing all or part of the material processing equipment, except from a vent in the building.

(i) The PM_{10} emissions from building vents shall not exceed twenty-two thousandths (0.022) grains per dry standard cubic foot and ten percent (10%) opacity.

(j) The opacity of particulate emissions from dust handling equipment shall not exceed ten percent (10%).

(k) Any facility or operation not specified in 326 IAC 6-1-11.1(d) shall meet a twenty percent (20%), three (3) minute average opacity standard.

The Permittee shall achieve these limits by controlling fugitive particulate matter emissions according to the Fugitive Dust Control Plan (FDCP) attached as Appendix A to this permit.

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, 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
100 North Senate Avenue,
Indianapolis, Indiana 46204-2251

and

Gary Department of Environmental Affairs
839 Broadway
Gary, Indiana 46402

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
100 North Senate Avenue,
Indianapolis, Indiana 46204-2251

and

Gary Department of Environmental Affairs
839 Broadway
Gary, Indiana 46402

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 and the Gary DEA, not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ, and the Gary DEA, 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
100 North Senate Avenue,
Indianapolis, Indiana 46204-2251

and

Gary Department of Environmental Affairs
839 Broadway
Gary, Indiana 46402

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

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

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

C.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 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.

(c) 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.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 shall prepare written emergency reduction plans (ERPs) consistent with safe operating procedures.

(b) These ERPs shall be submitted for approval to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue,
Indianapolis, Indiana 46204-2251

and

Gary Department of Environmental Affairs
839 Broadway
Gary, Indiana 46402

within ninety (90) days after the date of issuance of this permit.

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

(c) If the ERP is disapproved by IDEM, OAQ, and the Gary DEA, the Permittee shall have an additional thirty (30) days to resolve the differences and submit an approvable ERP.

(d) These ERPs shall state those actions that will be taken, when each episode level is declared, to reduce or eliminate emissions of the appropriate air pollutants.

(e) Said ERPs shall also identify the sources of air pollutants, the approximate amount of reduction of the pollutants, and a brief description of the manner in which the reduction will be achieved.

(f) Upon direct notification by IDEM, OAQ, and the Gary DEA, 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 Compliance Response Plan - Preparation, Implementation, Records, and Reports [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 or Parametric Monitoring Plan and Start-up, Shutdown, and Malfunction (SSM) 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 and the Gary DEA 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 or Parametric Monitoring Plan and Start-up, Shutdown, and Malfunction (SSM) 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 or Parametric Monitoring Plan and Start-up, Shutdown, and Malfunction (SSM) Plan to include such response steps taken.~~

~~The OMM Plan or Parametric Monitoring and SMM Plan shall be submitted within the time frames specified by the applicable 40 CFR 60/63 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 Parametric Monitoring Plan and Start-up, Shutdown, and Malfunction (SSM) Plan; or~~

~~(2) If none of the reasonable response steps listed in the Compliance Response Plan or Operation, Maintenance and Monitoring (OMM) Plan or Parametric Monitoring Plan and Start-up, Shutdown, and Malfunction (SSM) 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.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 and twenty (120) days is not practicable, IDEM, OAQ may extend the retesting deadline.

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

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

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

C.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) The Permittee shall submit an emission statement certified pursuant to the requirements of 326 IAC 2-6. This statement must be received in accordance with the compliance schedule specified in 326 IAC 2-6-3 and must comply with the minimum requirements specified in 326 IAC 2-6-4. The submittal should cover the period identified in 326 IAC 2-6. The emission statement shall meet the following requirements:

(1) Indicate estimated actual emission of pollutants from the source, in compliance with 326 IAC 2-6 (Emission Reporting);

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

The statement must be submitted to:

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

and

Gary Department of Environmental Affairs
839 Broadway
Gary, Indiana 46402

The emission statement does require the certification by the responsible official as defined by 326 IAC 2-1.1-1(1).

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

(a) Records of all required monitoring data, reports and support information required by this Permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner, or the Gary DEA, makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner or Gary DEA 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.20 General Reporting Requirements [326 IAC 2-7-5(3)(c)] [326 IAC 2-1.1-11]

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

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

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

and

Gary Department of Environmental Affairs
839 Broadway
Gary, Indiana 46402

(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, and Gary DEA on or before the date it is due.~~

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

~~(e) 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.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 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, 089-6140-00112, 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 and GDEA, 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 and GDEA, 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 by GDEA.

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 and GDEA, within a reasonable time, any information that IDEM, OAQ and GDEA 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 and GDEA 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 April 15 of each year to:

**Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue**

Indianapolis, Indiana 46204-2251

and

Gary Department of Environmental Affairs
839 Broadway, 2nd Floor NE
Gary, Indiana 46402

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 and GDEA, 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 and GDEA 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
Indianapolis, Indiana 46204-2251**

and

**Gary Department of Environmental Affairs
839 Broadway, 2nd Floor NE
Gary, Indiana 46402**

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 and GDEA upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ and GDEA. IDEM, OAQ and GDEA 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, and GDEA and Northwest Regional Office within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

**Telephone Number: 1-800-451-6027 (ask for Office of Air Quality, Compliance Section), or
Telephone Number: 317-233-0178 (ask for Compliance Section)
Facsimile Number: 317-233-6865
Gary Department of Environmental Affairs phone: (219) 882-3000; fax: (219) 882-3012
Northwest Regional Office phone: (219) 757-0265; fax: (219) 757-0267.**

and

**Northwest Regional Office
8315 Virginia St., Ste. 1
Merrillville, Indiana 46410**

(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
Indianapolis, Indiana 46204-2251**

and

**Gary Department of Environmental Affairs
839 Broadway, 2nd Floor NE
Gary, Indiana 46402**

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 and GDEA 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 and GDEA 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, or GDEA 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, or GDEA 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, or GDEA 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 089-6140-00112 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.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
Indianapolis, Indiana 46204-2251**

and

**Gary Department of Environmental Affairs
839 Broadway, 2nd Floor NE
Gary, Indiana 46402**

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 and GDEA 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 and GDEA 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 and GDEA at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ and GDEA 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 GDEA 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
Indianapolis, Indiana 46204-2251

and

Gary Department of Environmental Affairs
839 Broadway, 2nd Floor NE
Gary, Indiana 46402

(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 and GDEA 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 and GDEA 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 and GDEA any additional information identified as being needed to process the application.

B.18 Permit Amendment or Modification [326 IAC 2-7-11][326 IAC 2-7-12][40 CFR 72]

(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
Indianapolis, Indiana 46204-2251

and

Gary Department of Environmental Affairs
839 Broadway, 2nd Floor NE
Gary, Indiana 46402

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

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

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

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

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

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

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

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

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

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

(4) The Permittee notifies the:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

and

Gary Department of Environmental Affairs
839 Broadway, 2nd Floor NE
Gary, Indiana 46402

and

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

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

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

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

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

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

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

(3) Any change in emissions; and

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

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

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

(d) Alternative Operating Scenarios [326 IAC 2-7-20(d)]
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-7-5(9). No prior notification of IDEM, OAQ, or U.S. EPA is required.

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

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

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

(b) Any modification at an existing major source is governed by the requirements of 326 IAC 2-2 and/or 326 IAC 2-3 (for sources located in NA areas).

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, and GDEA 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

Indianapolis, Indiana 46204-2251

and

Gary Department of Environmental Affairs
839 Broadway, 2nd Floor NE
Gary, Indiana 46402

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 and GDEA 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 and GDEA 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 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 twenty percent (20%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.

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

C.2 Open Burning [326 IAC 4-1] [IC 13-17-9]

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

C.3 Incineration [326 IAC 4-2] [326 IAC 9-1-2]

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

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

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

C.5 Fugitive Dust Emissions [326 IAC 6.8-10-3] [326 IAC 6.8-11]

Pursuant to 326 IAC 6.8-10-3 (formerly 326 IAC 6-1-11.1) (Lake County Fugitive Particulate Matter Control Requirements), the particulate matter emissions from source wide activities shall meet the following requirements:

(a) The average instantaneous opacity of fugitive particulate emissions from a paved road shall not exceed ten percent (10%).

(b) The average instantaneous opacity of fugitive particulate emissions from an unpaved road shall not exceed ten percent (10%).

(c) The average instantaneous opacity of fugitive particulate emissions from batch transfer shall not exceed ten percent (10%).

(d) The opacity of fugitive particulate emissions from continuous transfer of material onto and out of storage piles shall not exceed ten percent (10%) on a three (3) minute average.

(e) The opacity of fugitive particulate emissions from storage piles shall not exceed ten percent (10%) on a six (6) minute average.

(f) There shall be a zero (0) percent frequency of visible emission observations of a material during the in plant transportation of material by truck or rail at any time.

(g) The opacity of fugitive particulate emissions from the in plant transportation of material by front end loaders and skip hoists shall not exceed ten percent (10%).

(h) There shall be a zero (0) percent frequency of visible emission observations from a building enclosing all or part of the material processing equipment, except from a vent in the building.

(i) The PM10 emissions from building vents shall not exceed twenty-two thousandths (0.022) grains per dry standard cubic foot and ten percent (10%) opacity.

(j) The opacity of particulate emissions from dust handling equipment shall not exceed ten percent (10%).

(k) Any facility or operation not specified in 326 IAC 6.8-10-3 shall meet a twenty percent (20%), three (3) minute average opacity standard.

The Permittee shall achieve these limits by controlling fugitive particulate matter emissions according to the Fugitive Dust Control Plan, attached as Appendix A.

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.

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
Indianapolis, Indiana 46204-2251**

and

**Gary Department of Environmental Affairs
839 Broadway, 2nd Floor NE
Gary, Indiana 46402**

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

(e) Procedures for Asbestos Emission Control
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-1, emission control requirements are applicable for any removal or disturbance of RACM greater than

three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.

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

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

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

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

(a) Compliance testing on new emissions units shall be conducted within 60 days after achieving maximum production rate, but no later than180 days after initial start-up, if specified in Section D of this approval. 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
Indianapolis, Indiana 46204-2251

and

Gary Department of Environmental Affairs
839 Broadway, 2nd Floor NE
Gary, Indiana 46402

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 and GDEA not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ and GDEA 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
Indianapolis, Indiana 46204-2251**

and

**Gary Department of Environmental Affairs
839 Broadway, 2nd Floor NE
Gary, Indiana 46402**

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

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

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

C.11 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]

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

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

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

(b) The Permittee may request that the IDEM, OAQ approve the use of an instrument that does not meet the above specifications provided the Permittee can demonstrate that an alternative instrument specification will adequately ensure compliance with permit conditions requiring the measurement of the parameters.

Corrective Actions and Response Steps [326 IAC 2-7-5][326 IAC 2-7-6]

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

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

(a) The Permittee shall prepare written emergency reduction plans (ERPs) consistent with safe operating procedures.

(b) These ERPs shall be submitted for approval to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

and

Gary Department of Environmental Affairs
839 Broadway, 2nd Floor NE
Gary, Indiana 46402

within 180 days from the date on which this source commences operation.

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

(c) If the ERP is disapproved by IDEM, OAQ and GDEA, the Permittee shall have an additional thirty (30) days to resolve the differences and submit an approvable ERP.

(d) These ERPs shall state those actions that will be taken, when each episode level is declared, to reduce or eliminate emissions of the appropriate air pollutants.

(e) Said ERPs shall also identify the sources of air pollutants, the approximate amount of reduction of the pollutants, and a brief description of the manner in which the reduction will be achieved.

(f) Upon direct notification by IDEM, OAQ and GDEA that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate episode level.
[326 IAC 1-5-3]

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

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

C.15 Response to Excursions or Exceedances [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.16 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 and twenty (120) days is not practicable, IDEM, OAQ may extend the retesting deadline.

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

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

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

C.17 Emission Statement [326 IAC 2-7-5(3)(C)(iii)][326 IAC 2-7-5(7)][326 IAC 2-7-19(c)][326 IAC 2-6]

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

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

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

The statement must be submitted to:

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

and

Gary Department of Environmental Affairs
839 Broadway, 2nd Floor NE
Gary, Indiana 46402

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

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

C.18 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6] [326 IAC 2-2][326 IAC 2-3]

(a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner or GDEA makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner or GDEA 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 reasonable possibility that a "project" (as defined in 326 IAC 2-2-1(qq)) at an existing emissions unit, other than projects at a Clean Unit (or at a source with Plant-wide Applicability Limitation (PAL)), which is not part of a "major modification" (as defined in 326 IAC 2-2-1(ee)) may result in significant emissions increase and the Permittee elects to utilize the "projected actual emissions" (as defined in 326 IAC 2-2-1(rr) and/or 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.19 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11] [326 IAC 2-2][326 IAC 2-3]

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

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

**Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251**

and

**Gary Department of Environmental Affairs
839 Broadway, 2nd Floor NE
Gary, Indiana 46402**

(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 and GDEA on or before the date it is due.

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

(e) 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 and GDEA:

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

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

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

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

(2) The annual emissions calculated in accordance with (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
Indianapolis, Indiana 46204-2251

and

Gary Department of Environmental Affairs
839 Broadway, 2nd Floor NE
Gary, Indiana 46402

(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 and GDEA. The general public may request this information from the IDEM, OAQ and GDEA under 326 IAC 17.1.

Stratospheric Ozone Protection

C.20 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.

4. Sections D.1, D.2, and D.3 have been changed to add the new emission units, update the applicable requirements for the emission units at this source, update rule citations, and revise the language of conditions as necessary. In Condition D.1.4, the Lake County SO_2 Emission Limitations requirement was revised by the Indiana Air Pollution Control Board effective June 25, 2005.

D.1.3 Lake County PM_{10} Emission Requirements ~~[326 IAC 6-1-10.1]~~ **[326 IAC 6.8-2-22][326 IAC 6.8-8]**

(a) Pursuant to ~~326 IAC 6-1-10.1~~ **326 IAC 6.8-2-22**, the facilities listed in the chart below shall not exceed the respective PM_{10} emission limits:

Facility (as listed in 326 IAC 6-1-10.1)	Emission Unit ID	Control Device ID	PM_{10} Emission Limits	
			(lbs/ton)	(lbs/hr)
Rotary Kiln #1	EU-1	CE-1	0.478	9.950
Rotary Kiln #2	EU-2	CE-2	0.478	9.950
Rotary Kiln #3	EU-3	CE-3	0.478	9.950
Rotary Kiln #4	EU-4	CE-4	0.478	9.950
Rotary Kiln #5	EU-5	CE-5	0.478	9.950

(b) Pursuant to ~~326 IAC 6-1-10.1~~ **326 IAC 6.8-8**, the Permittee shall implement the maintenance and inspection practices outlined in the Continuous Compliance Plan (CCP), dated March 1997.

D.1.4 Lake County SO_2 Emission Limitations ~~[40 CFR Part 52, Subpart P]~~ **[326 IAC 7-4.1-6]**

~~Pursuant to 40 CFR Part 52, Subpart P:~~

~~(a) The total sulfur dioxide (SO_2) emissions from the kilns (EU-1 through EU-5) shall not exceed 240 pounds per hour.~~

~~(b) The SO_2 emissions from any one kiln (EU-1 through EU-5) shall not exceed 80 pounds per hour.~~

~~(c) The SO_2 emissions shall be vented from the kilns/kiln gas filter systems at the following heights above grade:~~

~~Kiln Number~~	~~Stack Height (feet)~~
~~EU-1~~	~~80~~
~~EU-2~~	~~87~~
~~EU-3~~	~~87~~
~~EU-4~~	~~95~~

~~Kiln Number~~	~~Stack Height (feet)~~
~~EU-5~~	~~89~~

(a) Pursuant to 326 IAC 7-4.1-6, Carmeuse Lime shall comply with the sulfur dioxide emission limits for Rotary Kilns 1 through 5 as follows:

(1) When three (3) or fewer kilns are in operation at the same time, the sulfur dioxide emissions are not to exceed:
(A) two and ninety-four thousandths (2.094) pounds per ton of lime based on a one (1) hour average; and
(B) forty-eight (48) pounds per hour per operating kiln.

(2) When four (4) kilns are in operation at the same time, the sulfur dioxide emissions are not to exceed:
(A) one and seven hundred forty-five thousandths (1.745) pounds per ton of lime based on a one (1) hour average; and
(B) forty (40) pounds per hour per operating kiln.

(3) When five (5) kilns are in operation at the same time, the sulfur dioxide emissions are not to exceed:
(A) one and four hundred eighty-three thousandths (1.483) pounds per ton of lime based on a one (1) hour average; and
(B) thirty-four (34) pounds per hour per operating kiln.

(4) The production of lime is not to exceed five hundred fifty (550) tons per day for each rotary kiln.

(b) Sulfur dioxide emissions shall be vented from the kilns/kiln gas filter systems at the following heights above grade:

(1) For Kiln No. 1, a stack height of seventy-nine and one-tenth (79.1) feet.
(2) For Kiln No. 2, a stack height of eighty-five and nine-tenths (85.9) feet.
(3) For Kiln No. 3, a stack height of eighty-six and zero-tenths (86.0) feet.
(4) For Kiln No. 4, a stack height of ninety-four and four-tenths (94.4) feet.
(5) For Kiln No. 5, a stack height of eighty-seven and four-tenths (87.4) feet.

D.1.7 Particulate Control

(a) In order to comply with Condition D.1.2, the baghouses for particulate control shall be in operation and control particulate emissions from kilns EU-1 through EU-5 at all times those respective facilities are in operation.

(b) **In the event that bag failure is observed in a multi-compartment baghouse, if operations will continue for 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.**

D.1.8 Testing Requirements [326 IAC 2-7-6(1),(6)][326 IAC 2-1.1-11]

(a) No later than 12 months following the issuance of this Part 70 permit, the Permittee shall perform PM_{10} and SO_2 testing on kilns EU-1 and EU-2 utilizing methods approved by the Commissioner. This testing is required in order to demonstrate compliance with ~~326 IAC 6-1-10.1~~ **326 IAC 6.8-2-22** and ~~326 IAC 7-4-1.1~~ **326 IAC 7-4.1-6**. These tests shall be repeated at least once every 2.5 years from the date of valid compliance demonstration. Testing shall be conducted in accordance with Section C - Performance Testing.

(b) No later than 30 months after the issuance of this Part 70 permit, the Permittee shall perform PM_{10} and SO_2 testing on kilns EU-3, EU-4, and EU-5 utilizing methods approved by the Commissioner. These tests are required in order to demonstrate compliance with ~~326 IAC 6-1-10.1~~ **326 IAC 6.8-2-22** and ~~326 IAC 7-4-1.1~~ **326 IAC 7-4.1-6** and shall be repeated at least once every 2.5 years from the date of valid compliance demonstration. Testing shall be conducted in accordance with Section C - Performance Testing.

(c) No later than 30 months following the issuance of this Part 70 permit, the Permittee shall perform VOC testing on each kiln (EU-1 through EU-5) utilizing methods approved by the Commissioner. These tests are required in order to ensure that the requirements of 326 IAC 8-7 do not apply and shall be repeated at least once every five years from the date of valid compliance demonstration. Testing shall be conducted in accordance with Section C - Performance Testing.

D.1.9 SO_2 Emissions ~~[326 IAC 7-4-1.1]~~ **[326 IAC 7-4.1-2]** [326 IAC 3-7][326 IAC 2-7-6]

Pursuant to ~~326 IAC 7-4-1.1~~ **326 IAC 7-4.1-2** and 326 IAC 2-7-6, the Permittee shall demonstrate compliance with the SO_2 limits in Condition D.1.3 using one of the following options:

. . .

(b) Pursuant to ~~326 IAC 7-2-1(b)~~ **326 IAC 7-4.1-2(d)**, compliance may also be determined by conducting a stack test for sulfur dioxide emissions from the kilns, using 40 CFR Part 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) above. **IDEM, OAQ may also require that the Permittee conduct a stack test at any emissions unit within sixty (60) days of written notification by the department.**

D.1.10 Opacity Monitoring / Visible Emission Monitoring ~~[326 IAC 6-1-10.1(p)]~~ **[326 IAC 6.8-8-5]**

(a) Pursuant to ~~326 IAC 6-1-10.1(p)~~ **326 IAC 6.8-8-5(1)**, the Permittee shall monitor the opacity of the exhaust from stacks S-1 through S-5 (exhausting emissions from kilns EU-1 through EU-5) during normal operation through self monitoring of opacity (visible emission notations). The opacity monitoring tests shall be performed in accordance with Method 9 of 40 CFR Part 60, Appendix A and shall be performed once per ~~shift~~ **day** during normal daylight operations. Readings shall be taken for a minimum of thirty (30) minutes during each ~~shift~~ **day**. ~~The Compliance Response Plan for these units shall contain troubleshooting contingency and response steps for when the~~ **If** opacity readings are greater than seventy-five percent (75%) of the applicable standard**, 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. ~~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.~~

(b) If the Method 9 tests (required in (a) above) can not be performed due to the position of the sun, inclement weather, etc., then the Permittee shall perform visible emission notations of the exhaust from stacks S-1 through S-5 once per ~~shift~~ **day** during normal daylight operations. A trained employee shall 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. ~~The Compliance Response Plan for these units shall contain troubleshooting contingency and response steps for when an abnormal emission is observed. 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 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.1.11 Monitoring for Baghouses

(a) The Permittee shall record the ~~total static~~ pressure drop across the baghouses, used in conjunction with kilns EU-1 through EU-5, at least once per ~~shift~~ **day** when the respective facilities are in operation.

(b) When, for any one reading, the pressure drop across the baghouse is outside the normal range of ~~2.0~~ **1.0** and ~~8.0~~ **7.0** inches of water, or a range established during the last stack test ~~or as indicated in the Compliance Response Plan,~~ 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.1.12 Baghouse Inspections ~~[326 IAC 6-1-10.1(r)]~~ **[326 IAC 6.8-8-7]**

The Permittee shall perform the baghouse inspections pursuant to the Continuous Compliance Plan (CCP) and ~~326 IAC 6-1-10.1(r)(1)(c)~~ **326 IAC 6.8-8-7(1)**. The inspections shall be performed at least once per calendar quarter. Inspections required by this condition shall be not be performed in consecutive months. **All defective bags shall be replaced.**

D.1.13 Broken or Failed Bag Detection

~~In the event that bag failure has been observed:~~

~~(a) For multi-compartment units, the affected 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 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) For single compartment baghouses, 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 failed units and the associated process will be shut down immediately until the failed units have 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).~~

(a) For a single compartment baghouses 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 have been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in the emissions 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).

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.1.16 Record Keeping Requirements

(a) To document compliance with Condition D.1.5 the Permittee shall maintain records of the amount of lime produced by kilns EU-1 through EU-5.

~~(b) To document compliance with Condition D.1.6, the Permittee shall maintain of records of any additional inspections prescribed by the Preventive Maintenance Plan.~~

(~~c~~ **b**) To document compliance with Condition D.1.9, the Permittee shall maintain records of the sampling and analysis of raw materials, product, and by-products, and the mass balance equations used to demonstrate compliance with Condition D.1.3.

(~~d~~ **c**) To document compliance with Condition D.1.10, the Permittee shall maintain records of:

(1) All opacity measurements, evaluations, calibration checks, adjustments, and maintenance performed on the continuous monitoring system; or

(2) The once per ~~shift~~ **day** visible emission notations required by Condition D.1.10.

(~~e~~ **d**) To document compliance with Condition D.1.11, the Permittee shall maintain records of the once per ~~shift~~ **day** ~~total static~~ pressure drop required by Condition D.1.11.

(~~f~~ **e**) To document compliance with Condition D.1.12, the Permittee shall maintain records of the results of the inspections.

(~~g~~ **f**) 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)]:

Lime Processing and Handling

. . .

(m) One (1) Lime Transfer System #1, identified as EU-40/41, approved for construction in 2006, with a maximum capacity of 55 tons of lime per hour, consisting of a hopper, piping and storage tank T4, for transporting lime using high pressure pneumatic conveyance methods, with emissions controlled by bin vent filters, and exhausting to stacks S-40 (ALG-490) and S-41 (ALG-430), respectively.

(n) One (1) Lime Transfer System #2, identified as EU-42/43, approved for construction in 2006, with a maximum capacity of 80 tons of lime per hour, consisting of a hopper, piping and storage tank T1A, for transporting lime using high pressure pneumatic conveyance methods, with emissions controlled by bin vent filters, and exhausting to stacks S-42 (ALG-470) and S-43 (ALG-410), respectively.

Lime Storage and Loadout

(~~m~~**o**) . . .

D.2.3 Prevention of Significant Deterioration (PSD) and Emission Offset (EO) - Particulate [326 IAC 2-2] [326 IAC 2-3]

(a) The PM emissions from pugmill EU-18 shall not exceed 0.186 pounds per ton of lime processed.

(b) The PM emissions from pugmill EU-19 shall not exceed 0.186 pounds per ton of lime processed.

(c) The total lime processed by pugmills EU-18 and EU-19 (combined) shall not exceed 268,000 tons per twelve consecutive month period with compliance determined at the end of each month.

Compliance with these limits is equivalent to PM emissions of less than 25 tons per year and will render the requirements of 326 IAC 2-2 not applicable.

(d) The PM/PM10 emissions from Truck Lime Loadout #4 (EU-9) shall not exceed 3.4 pounds per hour and 15 tons per year.

Compliance with this limit will render the requirements of 326 IAC 2-2 and 326 IAC 2-3 not applicable.

(e) Pursuant to CP 089-5851-00112, issued December 9, 1996, and as revised by this permit, the PM/PM10 emissions from Re-Screen Loadout #2 (EU-25) shall not exceed 3.4 pounds per hour and 15 tons per year.

Compliance with this limit will render the requirements of 326 IAC 2-2 and 326 IAC 2-3 not applicable.

(f) Pursuant to MSM 089-23502-00112, issued on November 17, 2006, the PM emission rate from the lime transfer system, identified as EU-40, controlled by a bin vent filter and exhausting to stack S-40 (ALG-490), shall not exceed 0.05 pounds per hour.

(g) Pursuant to MSM 089-23502-00112, issued on November 17, 2006, the PM10 emission rate from the lime transfer system, identified as EU-40, controlled by a bin vent filter and exhausting to stack S-40 (ALG-490), shall not exceed 0.05 pounds per hour.

(h) Pursuant to MSM 089-23502-00112, issued on November 17, 2006, the PM emission rate from the lime transfer system, identified as EU-41 controlled by a bin vent filter and exhausting to stack S-41 (ALG-430), shall not exceed 1.27 pounds per hour.

(i) Pursuant to MSM 089-23502-00112, issued on November 17, 2006, the PM10 emission rate from the lime transfer system, identified as EU-41, controlled by a bin vent filter and exhausting to stack S-41 (ALG-430), shall not exceed 1.27 pounds per hour.

(j) Pursuant to MSM 089-23502-00112, issued on November 17, 2006, the PM emission rate from the lime transfer system, identified as EU-42 controlled by a bin vent filter and exhausting to stack S-42 (ALG-470), shall not exceed 0.05 pounds per hour.

(k) Pursuant to MSM 089-23502-00112, issued on November 17, 2006, the PM10 emission rate from the lime transfer system, identified as EU-42, controlled by a bin vent filter and exhausting to stack S-42 (ALG-470), shall not exceed 0.05 pounds per hour.

(l) Pursuant to MSM 089-23502-00112, issued on November 17, 2006, the PM emission rate from the lime transfer system, identified as EU-43 controlled by a bin vent filter and exhausting to stack S-43 (ALG-410), shall not exceed 1.27 pounds per hour.

(m) Pursuant to MSM 089-23502-00112, issued on November 17, 2006, the PM10 emission rate from the lime transfer system, identified as EU-43, controlled by a bin vent filter and exhausting to stack S-43 (ALG-410), shall not exceed 1.27 pounds per hour.

Compliance with these emission limits will ensure that the potential to emit from the modification performed under MSM 089-23502-00112, issued on November 17, 2006, is less than twenty-five (25) tons of PM per year and less than fifteen (15) tons of PM10 per year and therefore will render the requirements of 326 IAC 2-2 (PSD) and 326 IAC 2-3 (Emission Offset) not applicable to this modification.

D.2.4 Particulate Matter Emissions ~~[326 IAC 6-1-2]~~ **[326 IAC 6.8-1-2]**

Pursuant to ~~326 IAC 6-1-2~~ **326 IAC 6.8-1-2**, the particulate matter emissions from the Truck Lime Loadout #4 (EU-9), Pugmill #1 (EU-18), Pugmill #2 (EU-19), Rail Re-Screen Loadout #2 (EU-25), **Lime Transfer Systems (EU-40, EU-41, EU-42, and EU-43),** and Truck Transfer Station Reclaim Hopper (EU-32) shall not exceed 0.03 grain per dry standard cubic foot (gr/dscf).

D.2.5 Lake County PM_{10} Emission Requirements ~~[326 IAC 6-1-10.1]~~ **[326 IAC 6.8-2-22][326 IAC 6.8-8]**

(a) Pursuant to ~~326 IAC 6-1-10.1~~ **326 IAC 6.8-2-22**, the facilities listed in the chart below shall not exceed the respective PM_{10} emission limits:

Facility (as listed in 326 IAC 6-1-10.1)	Emission Unit(s) ID	Control Device ID	PM_{10} Emission Limits	
			(lbs/ton)	(lbs/hr)
Fluedust Loadout #1	EU-17	CE-10	0.003	0.110
Fluedust Loadout #2	EU-16	CE-9	0.003	0.100
Lime Grinder	EU-15 EU-14	CE-6	0.015	0.44
Lime Handling Baghouse #1	EU-6, EU-24, and EU-28	CE-14	0.002	0.260
Lime Handling Baghouse #2	EU-7	CE-15	0.002	0.180
Lime Handling Baghouse #3	EU-8	CE-13	0.0004	0.050
Lime Handling Baghouse #4	EU-11	CE-25	0.001	0.13
Lime Loadout Baghouse #1	EU-12	CE-7	0.0004	0.050
Lime Loadout Baghouse #2	EU-13	CE-8	0.0004	0.050

(b) Pursuant to ~~326 IAC 6-1-10.1~~ **326 IAC 6.8-8**, the Permittee shall implement the maintenance and inspection practices outlined in the Continuous Compliance Plan (CCP), dated March 1997.

D.2.7 Particulate Control

(a) In order to comply with Conditions D.2.1, D.2.2, ~~and~~ D.2.3**, and D.2.4,** the baghouses **and bin vent filters** for particulate control shall be in operation and control particulate emissions from all facilities listed in this section at all times those respective facilities are in operation.

(b) In the event that bag failure is observed in a multi-compartment baghouse, if operations will continue for 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.

D.2.8 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]

(a) No later than 18 months following the issuance of this Part 70 permit, the Permittee shall perform PM_{10} testing on the Grinding Mill #2 (EU-12), Grinding Mill #1 (EU-13), Lime Handling System #1 (EU-6), Lime Storage System (EU-24), Rail Lime Loadout #2 (EU-28), Truck Flue Dust Loadout #2 (EU-16), Truck Flue Dust Loadout #1 (EU-17), and the Truck Loadout Station (EU-11) utilizing methods approved by the Commissioner. These tests are required in order to demonstrate compliance with ~~326 IAC 6-1-10.1~~ **326 IAC 6.8-2-22** and shall be repeated at least once every five years from the date of valid compliance demonstration. Testing shall be conducted in accordance with Section C - Performance Testing.

(b) No later than 36 months following the issuance of this Part 70 permit, the Permittee shall perform PM_{10} testing on the Lime Grinder (EU-15), Lime Storage System (EU-14), Lime Handling System #2 (EU-7), and the Truck & Rail Lime Loadout #3 (EU-8) utilizing methods approved by the Commissioner. These tests are required in order to demonstrate compliance with ~~326 IAC 6-1-10.1~~ **326 IAC 6.8-2-22** and shall be repeated at least once every five years from the date of valid compliance demonstration. Testing shall

be conducted in accordance with Section C - Performance Testing.

D.2.9 Visible Emissions Notations

(a) Visible emission notations of the stack exhaust from facilities EU-9, EU-18, EU-19, EU-25, EU-17, EU-16, EU-15, EU-14, EU-6, EU-24, EU-28, EU-7, EU-8, EU-11, EU-12, EU-13 ~~and~~ EU-32**, EU-41, and EU-43** 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 these units shall contain troubleshooting contingency and response steps for when an abnormal emission is observed. 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 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.2.10 Monitoring for Baghouses

(a) The Permittee shall record the ~~total static~~ pressure drop across the baghouses, used in conjunction with facilities EU-9, EU-18, EU-19, EU-25, EU-17, EU-16, EU-15, EU-14, EU-6, EU-24, EU-28, EU-7, EU-8, EU-11, EU-12, EU-13, and EU-32 at least once per ~~shift~~ **day** when the respective facilities are in operation.

(b) When, for any one reading, the pressure drop across the baghouse is outside the normal range of 2.0 and 8.0 inches of water, or a range established during the last stack test ~~or as indicated in the Compliance Response Plan,~~ 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.2.11 Baghouse Inspections ~~[326 IAC 6-1-10.1(r)]~~ **[326 IAC 6.8-8-7]**

The Permittee shall perform the baghouse inspections pursuant to the CCP and ~~326 IAC 6-1-10.1(r)(1)(c)~~ **326 IAC 6.8-8-7**. The inspections 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.**

D.2.12 Broken or Failed Bag Detection

~~In the event that bag failure has been observed:~~

~~(a) For multi-compartment units, the affected 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 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) For single compartment baghouses, 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 failed units and the associated process will be shut down immediately until the failed units have 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).~~

(a) For a single compartment baghouses 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 have been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in the emissions 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).

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.2.15 Record Keeping Requirements

(a) To document compliance with Condition D.2.3(c), the Permittee shall maintain records of the total amount of lime processed by facilities EU-18 and EU-19.

~~(b) To document compliance with Condition D.2.6, the Permittee shall maintain of records of any additional inspections prescribed by the Preventive Maintenance Plan.~~

~~(c)~~ **(b)** To document compliance with Condition D.2.9, the Permittee shall maintain records of the once per ~~shift~~ **day** visible emission notations required by Condition D.2.9.

~~(d)~~ **(c)** To document compliance with Condition D.2.10, the Permittee shall maintain records of the once per ~~shift~~ **day** ~~total static~~ pressure drop required by Condition D.2.10.

~~(e)~~ **(d)** To document compliance with Condition D.2.11, the Permittee shall maintain records of the results of the inspections.

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

D.3.1 Particulate Matter (PM) Emissions ~~[326 IAC 6-1-2]~~ **[326 IAC 6.8-1-2]**

(a) Pursuant to ~~326 IAC 6-1-2~~ **326 IAC 6.8-1-2**, the PM emissions from EU-22, EU-23, EU-29, EU-30, EU-31, and the insignificant limestone conveyors, shall each not exceed 0.03 grain per dry standard cubic foot (gr/dscf).

(b) Pursuant to ~~326 IAC 6-1-2(b)(3)~~ **326 IAC 6.8-1-2(b)(3)**, the PM emissions from the insignificant boilers shall not exceed 0.01 grain per dry standard cubic foot (gr/dscf).

D.3.2 Lake County Fugitive Particulate Matter ~~Control Requirements~~ **Emission Limitations** ~~[326 IAC 6-1-11.1]~~ **[326 IAC 6.8-10-3]**

Pursuant to ~~326 IAC 6-1-11.1,~~ **326 IAC 6.8-10-3:**

(a) For paved roads and parking lots, the average instantaneous opacity of the fugitive particulate emissions from a paved road shall not exceed ten percent (10%).

(b) The average instantaneous opacity of the fugitive particulate emissions from an unpaved road shall not exceed ten percent (10%).

(c) The average instantaneous opacity of the fugitive particulate emissions from batch transfer shall not exceed ten percent (10%).

(d) The opacity of the fugitive particulate emissions from continuous transfer of material onto and out of storage piles shall not exceed ten percent (10%) on a three (3) minute average.

(e) The opacity of the fugitive particulate emissions from exposed areas shall not exceed ten percent (10%) on a six (6) minute average.

(f) The opacity of the fugitive particulate emissions from storage piles shall not exceed ten percent (10%) on a six (6) minute average.

(g) There shall be zero percent (0%) frequency of visible emissions observations of a material during the inplant transportation of material by truck or rail at any time.

(h) The opacity of the fugitive particulate emissions from inplant transportation by front end loaders and skip hoists shall not exceed ten percent (10%).

(i) The PM10 stack emissions from a material processing facility shall not exceed twenty-two thousandths (0.022) grain per dry standard cubic foot and ten percent (10%) opacity. The opacity of fugitive particulate emissions from a material processing facility, except crusher at which a capture system is not used, shall not exceed ten percent (10%). The opacity of fugitive particulate emissions from a crusher at which a capture system is not used shall not exceed fifteen percent (15%). There shall be a zero percent (0%) frequency of visible emission observations from a building enclosing all or a part of the material processing equipment except from a vent in the building. The PM10 emissions from building vents shall not exceed twenty-two thousandths (0.022) grains per dry standard cubic foot and ten percent (10%) opacity.

(j) The opacity of the fugitive particulate emissions from dust handling equipment shall not exceed ten percent (10%).

(k) Compliance ~~compliance~~ with the opacity limits specified in Section C (Fugitive Dust Emissions) of this permit shall be achieved by controlling fugitive particulate matter emissions according to the Fugitive Dust Control Plan (FDCP) attached as Appendix A to this permit. If it is determined that the control procedures specified in the FDCP do not demonstrate compliance with the fugitive emission limitations, IDEM, OAQ may request that the FDCP be revised and submitted for approval.

D.3.4 Particulate Matter (PM)

Pursuant to ~~326 IAC 6-1-11.1~~ **326 IAC 6.8-10-3** (Lake County Fugitive Particulate Matter ~~Control Requirements~~ **Emission Limitations**), opacity from the activities (as applicable) shall be determined as follows:

. . .

D.3.5 Record Keeping Requirements

Pursuant to ~~326 IAC 6-1-11.1~~ **326 IAC 6.8-10-3** (Lake County Fugitive Particulate Matter ~~Control Requirements~~ **Emission Limitations**):

(a) The source shall keep the following documentation to show compliance with each of its control measures and control practices:

(1) A map or diagram showing the location of all emission sources controlled, including the location, identification, length, and width of roadways.

(2) For each application of water or chemical solution to roadways, the following shall be recorded:

(A) The name and location of the roadway controlled

(B) Application rate (as indicated on control plan)

(C) Time of each application

(D) Width of each application

(E) Identification of each method of application

(F) Total quantity of water or chemical used for each application

(G) For each application of chemical solution, the concentration and identity of the chemical

(H) The material data safety sheets for each chemical

(3) For application of physical or chemical control agents not covered by ~~326 IAC 6-1-11.1(B)~~ **paragraph (2) above**, the following:

(A) The name of the agent

(B) Location of application

(C) Application rate

(D) Total quantity of agent used

(E) If diluted, percent of concentration

(F) The material data safety sheets for each chemical

(4) A log recording incidents when control measures were not used and a statement of explanation.

(5) Copies of all records required by this section shall be submitted to the department within twenty (20) working days of a written request by the department.

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

D.3.6 Reporting Requirements

(a) Pursuant to ~~326 IAC 6-1-11.1~~ **326 IAC 6.8-10-4(4)(G)** (Lake County Fugitive Particulate Matter ~~Control Requirements~~ **Emission Limitations**), a quarterly report shall be submitted, stating the following:

(1) The dates any required control measures were not implemented

(2) A listing of those control measures

(3) The reasons that the control measures were not implemented

(4) Any corrective action taken

(b) These reports shall be submitted within thirty (30) calendar days following the end of each calendar quarter and in accordance with Section C - General Reporting Requirements of this permit.

Conclusion and Recommendation

The construction of this proposed modification shall be subject to the conditions of the attached proposed Part 70 Minor Source Modification No. 089-23502-00112 and Significant Permit Modification 089-23753-00112. The staff recommends to the Commissioner that this Part 70 Minor Source Modification and Significant Permit Modification be approved.

Appendix A: Emission Calculations
PM Emissions from Lime Transfer Systems

Company Name: Carmeuse Lime Company
Address: One North Carmeuse Drive, Gary, Indiana 46402
Permit Number: SPM 089-23753-00112
Reviewer: ERG/ST
Date: November 6, 2006

Facility		EU ID	Vent ID	Capacity (ton/hour)	Grain Loading (gr/dscf)	Exhaust Flow Rate (dscf/min)	PTE PM/PM10 Controlled		PTE PM/PM10 Uncontrolled	
							(lbs/hour)	(ton/year)	(lbs/hour)	(ton/year)
Lime Transfer System #1	Hopper	EU-40	ALG-490	55	0.020	210	0.04	0.16	3.60	15.8
	Storage Tank T4	EU-41	ALG-430		0.020	4,950	0.85	3.72	84.9	372
Lime Transfer System #2	Hopper	EU-42	ALG-470	80	0.020	210	0.04	0.16	3.60	15.8
	Storage Tank T1A	EU-43	ALG-410		0.020	4,950	0.85	3.72	84.9	372
						TOTALS		**7.75**		**775**

Particulate emissions from the facilities above are controlled by bin vent filters.
Assume control efficiency of the bin vent filters is 99%.

METHODOLOGY
PTE PM/PM10 Controlled (lbs/hour) = Grain Loading (gr/dscf) x Exhaust Flow Rate (dscf/min) x 60 min/hour x 1/7000 lbs/gr
PTE PM/PM10 Controlled (tons/year) = PTE PM/PM10 Controlled (lbs/hour) x 8760 hours/year x 1/2000 ton/lbs
PTE PM/PM10 Uncontrolled (lbs/hour) = PTE PM/PM10 Controlled (lbs/hour)/(1 - Control Efficiency %)
PTE PM/PM10 Uncontrolled (tons/year) = PTE PM/PM10 Controlled (tons/year)/(1 - Control Efficiency %)