



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: February 28, 2006
RE: Carmeuse Lime, Inc. / 089-20318-00112
FROM: Paul Dubenetzky
Chief, Permits Branch
Office of Air Quality

Notice of Decision – Approval

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to 326 IAC 2, this approval was effective immediately upon submittal of the application.

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

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

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

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

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

Enclosures
FNPER-AM.dot 1/10/05



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We make Indiana a cleaner, healthier place to live.

Mitchell E. Daniels, Jr.
Governor

Thomas W. Easterly
Commissioner

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Mr. Derald Bogs
Area Operations Manager
Carmeuse Lime, Inc.
One North Carmeuse Drive
Gary, IN 46402

February 28, 2006

Re: **089-20318-00112**
First Administrative Amendment to
Part 70 Permit No. 089-6140-00112

Dear Mr. Bogs:

The Office of Air Quality (OAQ) received a request from Carmeuse Lime, Inc., for a change in the Responsible Official and the address of the Buffington, Indiana Lime Plant on October 26, 2004. Additional information was received on February 21, 2006. The changes are as follows with deleted language as ~~strikeouts~~ and language **bolded**. Pursuant to the provisions of 326 IAC 2-7-11 the permit is hereby administratively amended as follows:

1. The Responsible Official has been changed in Section A.1. General Information. Because of potential future changes in personnel and to avoid excessive administrative permit amendments, only job titles are being listed.

The Area Operations Manager has been designated the Responsible Official replacing Vice President, Operations. This position meets the requirements under 326 IAC 2-7-1(34)(A)(iv) as a Responsible Official.

2. The source address change is a change in the addressing system by the post office. The source did not physically relocate.
3. The mailing address has changed to the same address as the source location.

The following are the changes made to Section A.1 General Information on page 5 of the permit:

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: ~~Vice President, Operations~~ **Area Operations Manager**
Source Address: ~~Clark Road and Lake Michigan Buffington Station, Gary, Indiana 46402~~
One North Carmeuse Drive, Gary, Indiana 46402
Mailing Address: ~~P.O. Box 689 Buffington Station, Gary, Indiana 46402~~
One North Carmeuse Drive, Gary, Indiana 46402
Source Phone Number: 773-978-5349
SIC Code: 3274
County Location: Lake
Source Location Status: Nonattainment for PM₁₀, SO₂, and ozone under 1-hour and 8-hour standards
Attainment for all other criteria pollutants
Source Status: Part 70 Permit Program
Major Source under PSD; Emission Offset Rules and Nonattainment NSR
1 of 28 Source Categories
Major Source under Section 112 of the Clean Air Act

4. The cover page, headers and report forms were changed without replication here.
5. The Section's name that collects operating fees has changed. The current name is the Billing, Licensing, and Training Section. Condition B.23 (c) the section name is revised:

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, IM & Billing~~ **Billing, Licensing and Training Section**), to determine the appropriate permit fee.
6. The mailing address of IDEM, Office of Air Quality (OAQ) has changed. All references in the permit to "Post Office Box 6015, Indianapolis, Indiana 46206-6015" have been changed to "**100 North Senate, Indianapolis, Indiana 46204-2251**".
 7. The mailing address of the Gary Department of Environmental Affairs has changed. All references to "Suite 1012, 504 N. Broadway" have been changed to "**839 Broadway**".

All other conditions of the permit shall remain unchanged and in effect. Please find a copy of the entire Part 70 permit with the revisions.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Janet Mobley at 317-232-8369 or at 1-800-451-6027 extension 2-8369.

Sincerely,

Original signed by
Kathy Moore, Section Chief
Permits Branch
Office of Air Quality

KM/jm

cc: File – Lake County
Lake County Health Department
Air Compliance Section Inspector – Rick Massoels
Gary Department of Environmental Affairs
IDEM Northwest Regional Office
Compliance Data Section
Permit Review Section II- Janet Mobley



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 Commissioner

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**PART 70 OPERATING PERMIT
 OFFICE OF AIR QUALITY
 and the
 Gary Department of Environmental Affairs**

**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	Pages Affected: Entire Permit
Issued by: Original signed by Kathy Moore, Section Chief Office of Air Quality	Issuance Date: February 28, 2006 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.

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 , and ozone under 1-hour and 8-hour standards Attainment for all other criteria pollutants
Source Status:	Part 70 Permit Program Major Source under PSD; Emission Offset Rules and Nonattainment NSR 1 of 28 Source Categories Major Source under Section 112 of the Clean Air Act

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.

Lime Storage and Loadout

- (m) 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.
- (n) 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.
- (o) 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.

- (p) 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.
- (q) 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.
- (r) 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.
- (s) 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.
- (t) 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.
- (u) 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.
- (v) 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)

- (w) One (1) Coal Storage Pile; identified as EU-22; a capacity of greater than 3.5 acres; a source of fugitive emissions.
- (x) 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.
- (y) Coal Unloading and Processing operations; identified as EU-30; consisting of truck and rail unloading and assorted conveyors; a source of fugitive emissions.
- (z) 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 SO₂; 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]

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 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 6-1-11.1(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 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 PM₁₀ Emission Requirements [326 IAC 6-1-10.1]

- (a) Pursuant to 326 IAC 6-1-10.1, the facilities listed in the chart below shall not exceed the respective PM₁₀ 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, the Permittee shall implement the maintenance and inspection practices outlined in the Continuous Compliance Plan (CCP), dated March 1997.

D.1.4 Lake County SO₂ Emission Limitations [40 CFR Part 52, Subpart P]

Pursuant to 40 CFR Part 52, Subpart P:

- (a) The total sulfur dioxide (SO₂) emissions from the kilns (EU-1 through EU-5) shall not exceed 240 pounds per hour.
- (b) The SO₂ emissions from any one kiln (EU-1 through EU-5) shall not exceed 80 pounds per hour.
- (c) The SO₂ 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
EU-5	89

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

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.

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 PM₁₀ and SO₂ 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 and 326 IAC 7-4-1.1. 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 PM₁₀ and SO₂ 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 and 326 IAC 7-4-1.1 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 SO₂ Emissions [326 IAC 7-4-1.1][326 IAC 3-7][326 IAC 2-7-6]

Pursuant to 326 IAC 7-4-1.1 and 326 IAC 2-7-6, the Permittee shall demonstrate compliance with the SO₂ 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 SO₂ 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 hundredths (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 SO₂ emissions from each kiln by the following mass balance calculation using the input values determined in (1) and (2) above:

$$\text{SO}_2 \text{ Emissions} = [(\%S_{\text{limestone}} \times \text{Monthly Usage}_{\text{limestone}}) + (\%S_{\text{coal}} \times \text{Monthly Usage}_{\text{coal}}) - (\%S_{\text{lime}} \times \text{Monthly Production}_{\text{lime}}) - (\%S_{\text{fluedust}} \times \text{Monthly Production}_{\text{fluedust}})] \times 2$$

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

- (b) Pursuant to 326 IAC 7-2-1(b), 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.

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 6-1-10.1(p)]

- (a) Pursuant to 326 IAC 6-1-10.1(p), 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 during normal daylight operations. Readings shall be taken for a minimum of thirty (30) minutes during each shift. The Compliance Response Plan for these units shall contain troubleshooting contingency and response steps for when the opacity readings are greater than seventy-five percent (75%) of the applicable standard. 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 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.

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 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. 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, 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)]

The Permittee shall perform the baghouse inspections pursuant to the Continuous Compliance Plan (CCP) and 326 IAC 6-1-10.1(r)(1)(c). The inspections shall be performed at least once per calendar quarter. Inspections required by this condition shall be not be performed in consecutive months.

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 ten (10) days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.
- (b) 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).

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

and

Gary Department of Environmental Affairs
839 Broadway
Gary, Indiana 46402

The notifications require the certification by the "responsible 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

and

Gary Department of Environmental Affairs
839 Broadway
Gary, Indiana 46402

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 records of any additional inspections prescribed by the Preventive Maintenance Plan.
- (c) 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) 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 visible emission notations required by Condition D.1.10.
- (e) To document compliance with Condition D.1.11, the Permittee shall maintain records of the once per shift total static pressure drop required by Condition D.1.11.
- (f) To document compliance with Condition D.1.12, the Permittee shall maintain records of the results of the inspections.
- (g) 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 "responsible 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 "responsible 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.

Lime Storage and Loadout

- (m) 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.
- (n) 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.
- (o) 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.
- (p) 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.
- (q) 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.
- (r) 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.

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

- (s) 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.
- (t) 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.
- (u) 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.
- (v) 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.

D.2.4 Particulate Matter Emissions [326 IAC 6-1-2]

Pursuant to 326 IAC 6-1-2, 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), 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 PM₁₀ Emission Requirements [326 IAC 6-1-10.1]

- (a) Pursuant to 326 IAC 6-1-10.1, the facilities listed in the chart below shall not exceed the respective PM₁₀ 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, the Permittee shall implement the maintenance and inspection practices outlined in the Continuous Compliance Plan (CCP), dated March 1997.

D.2.6 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.2.7 Particulate Control

In order to comply with Conditions D.2.1, D.2.2, and D.2.3 the baghouses 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.

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 PM₁₀ 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 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 PM₁₀ 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 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

- (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 shall be performed once per shift 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) 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.

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 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. 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, 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)]

The Permittee shall perform the baghouse inspections pursuant to the CCP and 326 IAC 6-1-10.1(r)(1)(c). The inspections shall be performed at least once per calendar quarter. Inspections required by this condition shall not be performed in consecutive months.

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).

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

and

Gary Department of Environmental Affairs
839 Broadway
Gary, Indiana 46402

The notifications require the certification by the "responsible 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

and

Gary Department of Environmental Affairs
839 Broadway
Gary, Indiana 46402

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 records of any additional inspections prescribed by the Preventive Maintenance Plan.
- (c) To document compliance with Condition D.2.9, the Permittee shall maintain records of the once per shift visible emission notations required by Condition D.2.9.
- (d) To document compliance with Condition D.2.10, the Permittee shall maintain records of the once per shift total static pressure drop required by Condition D.2.10.
- (e) To document compliance with Condition D.2.11, 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.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 "responsible 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)

- (w) One (1) Coal Storage Pile; identified as EU-22; a capacity of greater than 3.5 acres; a source of fugitive emissions.
- (x) 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.
- (y) Coal Unloading and Processing operations; identified as EU-30; consisting of truck and rail unloading and assorted conveyors; a source of fugitive emissions.
- (z) 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 SO₂; 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 6-1-2]

- (a) Pursuant to 326 IAC 6-1-2, 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), 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 [326 IAC 6-1-11.1]

Pursuant to 326 IAC 6-1-11.1, 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 6-1-11.1 (Lake County Fugitive Particulate Matter Control Requirements), 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 6-1-11.1 (Lake County Fugitive Particulate Matter Control Requirements):

- (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), 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 (Lake County Fugitive Particulate Matter Control Requirements), 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
and the Gary Department of Environmental Affairs**

**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:

- Annual Compliance Certification Letter
- Test Result (specify)
- Report (specify)
- Notification (specify)
- Affidavit (specify)
- Other (specify)

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

Signature:

Printed Name:

Title/Position:

Phone:

Date:

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE BRANCH
100 North Senate Avenue
Indianapolis, Indiana 46204-2251
Phone: 317-233-5674
Fax: 317-233-5967**

and the Gary Department of Environmental Affairs

**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

<p>9 This is an emergency as defined in 326 IAC 2-7-1(12)</p> <ul style="list-style-type: none">• The Permittee must notify the Office of Air Quality (OAQ), within four (4) business hours (1-800-451-6027 or 317-233-5674, ask for Compliance Section); and• The Permittee must submit notice in writing or by facsimile within two (2) working days (Facsimile Number: 317-233-5967), 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
 and the Gary Department of Environmental Affairs**

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
 and the Gary Department of Environmental Affairs**

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)	SO ₂ 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
 and the Gary Department of Environmental Affairs**

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
 and the Gary Department of Environmental Affairs**

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
 and the Gary Department of Environmental Affairs**

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)	SO ₂ 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
and the Gary Department of Environmental Affairs**

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

- 9 No deviation occurred in this quarter.
- 9 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
 and the Gary Department of Environmental Affairs**

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

- 9 No deviation occurred in this quarter.
- 9 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
and the Gary Department of Environmental Affairs**

**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: _____

Page 1 of 2

This report shall be submitted quarterly based on a calendar year. Any deviation from the requirements, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. Deviations that are required to be reported by an applicable requirement shall be reported according to the schedule stated in the applicable requirement and do not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".

NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.

THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD

Permit Requirement (specify permit condition #)

Date of Deviation:

Duration of Deviation:

Number of Deviations:

Probable Cause of Deviation:

Response Steps Taken:

Permit Requirement (specify permit condition #)

Date of Deviation:

Duration of Deviation:

Number of Deviations:

Probable Cause of Deviation:

Response Steps Taken:

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

Form Completed By:

Title/Position:

Date:

Phone:

Attach a signed certification to complete this report.