

TO: Interested Parties / Applicant CERTIFIED MAIL 7000 0600 0023 5187 0328  
RE: Calciment Blend Corporation / MSOP 097-17405-00424  
FROM: Felicia A. Robinson  
Manager of Environmental Planning

## Notice of Decision: Approval - Effective Immediately

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to IC 13-15-5-3, this permit is effective immediately, unless a petition for stay of effectiveness is filed and granted according to IC 13-15-6-3, and may be revoked or modified in accordance with the provisions of IC 13-15-7-1.

If you wish to challenge this decision, IC 4-21.5-3 and IC 13-15-6-1 require that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office of Environmental Adjudication, 100 North Senate Avenue, Government Center North, Room 1049, Indianapolis, IN 46204, **within fifteen (15) calendar days of the receipt 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 Indianapolis Office of Environmental Services, Air Permits at (317) 327-2234.

Enclosures



City of  
**Indianapolis**  
*Bart Peterson, Mayor*

## MINOR SOURCE OPERATING PERMIT

### INDIANA DEPARTMENT of ENVIRONMENTAL MANAGEMENT OFFICE OF AIR QUALITY and CITY of INDIANAPOLIS OFFICE of ENVIRONMENTAL SERVICES

**Calciment Blend Corporation  
4192 South Harding Street  
Indianapolis, Indiana 46217**

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

This permit is issued to the above mentioned company under the provisions of 326 IAC 2-1.1, 326 IAC 2-6.1 and 40 CFR 52.780, with conditions listed on the attached pages.

Operation Permit No.: MSOP 097-17405-00424	
Issued by:  ORIGINAL SIGNED BY:  Felicia A. Robinson Manager of Environmental Planning Indianapolis Office of Environmental Services	Issuance Date: October 14, 2005  Expiration Date: October 13, 2010

**Department of Public Works  
Office of Environmental Services**  
2700 South Belmont Avenue (317) 327-2234  
Indianapolis, Indiana 46221 (fax) 327-2274  
**(TDD) 325-5186**  
[www.indygov.org](http://www.indygov.org)

## TABLE OF CONTENTS

<b>A</b>	<b>SOURCE SUMMARY</b> .....	<b>4</b>
A.1	General Information [326 IAC 2-5.1-3(c)] [326 IAC 2-6.1-4(a)]	
A.2	Emission Units and Pollution Control Equipment Summary	
<b>B</b>	<b>GENERAL CONDITIONS</b> .....	<b>5</b>
B.1	Permit No Defense [IC 13]	
B.2	Definitions	
B.3	Effective Date of the Permit [IC 13-15-5-3]	
B.4	Permit Term and Renewal [326 IAC 2-6.1-7(a)][326 IAC 2-1.1-9.5]	
B.5	Modification to Permit [326 IAC 2]	
B.6	Annual Notification [326 IAC 2-6.1-5(a)(5)]	
B.7	Preventive Maintenance Plan [326 IAC 1-6-3]	
B.8	Permit Revision [326 IAC 2-5.1-3(e)(3)][326 IAC 2-6.1-6]	
B.9	Inspection and Entry [326 IAC 2-5.1-3(e)(4)(B)][326 IAC 2-6.1-5(a)(4)][IC 13-14-2-2] [IC 13-17-3-2][IC 13-30-3-1]	
B.10	Transfer of Ownership or Operation [326 IAC 2-6.1-6(d)(3)]	
B.11	Annual Fee Payment [326 IAC 2-1.1-7]	
B.12	Credible Evidence [326 IAC 1-1-6]	
<b>C</b>	<b>SOURCE OPERATION CONDITIONS</b> .....	<b>9</b>
C.1	Particulate Emission Limitation For Processes with Process Weight Rates Less Than One Hundred (100) pounds per hour [326 IAC 6-3-2]	
C.2	Permit Revocation [326 IAC 2-1.1-9]	
C.3	Opacity [326 IAC 5-1]	
C.4	Fugitive Dust Emissions [326 IAC 6-4]	
C.5	Stack Height [326 IAC 1-7]	
C.6	Asbestos Abatement Projects [326 IAC 14-10][326 IAC 18][40 CFR 61, Subpart M]	
C.7	Performance Testing [326 IAC 3-6]	
C.8	Compliance Requirements [326 IAC 2-1.1-11]	
C.9	Compliance Monitoring [326 IAC 2-1.1-11]	
C.10	Monitoring Methods [326 IAC 3][40 CFR 60][40 CFR 63]	
C.11	Pressure Gauge and Other Instrument Specifications [326 IAC 2-1.1-11]	
C.12	Compliance Response Plan - Preparation and Implementation	
C.13	Actions Related to Noncompliance Demonstrated by a Stack Test	
	<b>Record Keeping and Reporting Requirements</b>	
C.14	Malfunctions Report [326 IAC 1-6-2]	
C.15	General Record Keeping Requirements [326 IAC 2-6.1-2]	
C.16	General Reporting Requirements [326 IAC 2-1.1-11] [326 IAC 2-6.1-5] [IC 13-14-1-13]	
<b>D.1</b>	<b>EMISSIONS UNIT OPERATION CONDITIONS - Calciment Blend Corporation, Lime Silo 2 and Haul Road</b> .....	<b>15</b>
	<b>Emission Limitations and Standards</b>	
D.1.1	Particulate Emission Limitations for Manufacturing Processes [326 IAC 6-3-2]	
D.1.2	Preventive Maintenance Plan [326 IAC 1-6-3]	
	<b>Compliance Determination Requirements</b>	
D.1.3	Particulate Control	

**Compliance Monitoring Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]**

- D.1.4 Visible Emissions Notations
- D.1.5 Parametric Monitoring
- D.1.6 Baghouse Inspections
- D.1.7 Broken or Failed Bag Detection

**Record Keeping and Reporting Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]**

- D.1.8 Record Keeping Requirements

<b>Annual Notification</b> .....	<b>19</b>
<b>Malfunction Report (two pages)</b> .....	<b>20</b>

## SECTION A SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) and the City of Indianapolis Office of Environmental Services (OES). The information describing the source contained in Conditions A.1 and A.2 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 2-5.1-3(c)] [326 IAC 2-6.1-4(a)]

---

The Permittee owns and operates a stationary source consisting of a flyash and limestone blending operation under a Standard Industrial Classification (SIC) Code of 3272 (establishments engaged in manufacturing concrete products, except block and brick).

Authorized Individual: President  
Source Address: 4192 South Harding Street, Indianapolis, Indiana 46217  
Mailing Address: 3045 Rodenbeck Drive, Beavercreek, Ohio 45432  
General Source Phone: (937) 320-9383  
SIC Code: 3272  
County Location: Marion  
Source Location Status: Nonattainment for ozone under the 8-hour standard  
Nonattainment for PM2.5  
Attainment for all other criteria pollutants  
Source Status: Minor Source Operating Permit  
Minor Source, under PSD or Emission Offset Rules;  
Minor Source, Section 112 of the Clean Air Act

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

---

The Calciment Blend Corporation is approved to operate the following emissions units and pollution control devices:

- (a) Emission Unit ID Calciment Blend Corporation, constructed in 2002, which consists of:
- (1) One (1) lime silo identified as EU-1 with 190 ton storage capacity.
  - (2) One (1) flyash silo identified as EU-2 with 750 ton storage capacity.
  - (3) Two (2) unloading pneumatic conveying systems for lime and flyash identified as, respectively, EU-3 and EU-4 each having a capacity of thirty two (32) tons per hour.
  - (4) One (1) product loading pneumatic conveying system identified as EU-5 having a capacity of seventy five (75) tons per hour.
- Particulate matter emissions from the silos and the pneumatic conveying systems will be controlled by one (1) baghouse identified as CE-1 rated at 8280 scfm exhaust and vented to Stack/Vent SV-1.
- (b) One (1) Lime Silo 2 identified as Emission Unit ID 03. Lime Silo 2 has a storage capacity of 100 tons, an hourly maximum throughput of thirty two (32) tons per hour and an annual maximum throughput of 12000 tons per year. Particulate matter emissions from Lime Silo 2 are controlled by a baghouse identified as CE-3 rated at 2500 acfm and exhausts to Stack/Vent SV-03. Constructed in 2004.
- (c) One (1) Haul Road with an approximate round trip distance on the unpaved road of 0.26 miles. Constructed in 2002.

## **SECTION B GENERAL CONDITIONS**

THIS SECTION OF THE PERMIT IS BEING ISSUED UNDER THE PROVISIONS OF 326 IAC 2-1.1 AND 40 CFR 52.780, WITH CONDITIONS LISTED BELOW.

### **B.1 Permit No Defense [IC 13]**

---

This permit to construct does not relieve the Permittee of the responsibility to comply with the provisions of the Indiana Environmental Management Law (IC 13-11 through 13-20; 13-22 through 13-25; and 13-30), the Air Pollution Control Law (IC 13-17) and the rules promulgated thereunder, as well as other applicable local, state, and federal requirements.

### **B.2 Definitions**

---

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 2-1.1-1 shall prevail.

### **B.3 Effective Date of the Permit [IC13-15-5-3]**

---

Pursuant to IC 13-15-5-3, this permit becomes effective upon its issuance.

### **B.4 Permit Term and Renewal [326 IAC 2-6.1-7(a)][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 of this permit do not affect the expiration date.

The Permittee shall apply for an operation permit renewal at least ninety (90) days prior to the expiration date. If a timely and sufficient permit application for a renewal has been made, this permit shall not expire and all terms and conditions shall continue in effect until the renewal permit has been issued or denied.

### **B.5 Modification to Permit [326 IAC 2]**

---

All requirements and conditions of this operating permit shall remain in effect unless modified in a manner consistent with procedures established for modifications of construction permits pursuant to 326 IAC 2 (Permit Review Rules).

### **B.6 Annual Notification [326 IAC 2-6.1-5(a)(5)]**

---

- (a) Annual notification shall be submitted to the Office of Air Quality stating whether or not the source is in operation and in compliance with the terms and conditions contained in this permit.
- (b) Noncompliance with any condition must be specifically identified. If there are any permit conditions or requirements for which the source is not in compliance at any time during the year, the Permittee must provide a narrative description of how the source did or will achieve compliance and the date compliance was, or will be, achieved. The notification must be signed by an authorized individual.
- (c) The annual notice shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted in the format attached no later than March 1 of each year to:

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

and

Indianapolis Office of Environmental Services  
Air Compliance  
2700 South Belmont Avenue  
Indianapolis, IN 46221-2009

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

B.7 Preventive Maintenance Plan [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 (this time frame is determined on a case by case basis but no more than ninety (90) days) after issuance of this permit, including the following information on each emissions unit:
- (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

And

Indianapolis Office of Environmental Services  
Air Compliance  
2700 South Belmont Avenue  
Indianapolis, IN 46221-2009

The PMP extension notification does not require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (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 PMP's shall be submitted to IDEM, OAQ, and OES upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ, and OES. IDEM, OAQ, and OES may require the Permittee to revise its PMP 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 an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

**B.8 Permit Revision [326 IAC 2-5.1-3(e)(3)] [326 IAC 2-6.1-6]**

---

- (a) Permit revisions are governed by the requirements of 326 IAC 2-6.1-6.
- (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

and

Indianapolis Office of Environmental Services  
Air Permits  
2700 South Belmont Avenue  
Indianapolis, IN 46221-2009

Any such application shall be certified by an "authorized individual" as defined by 326 IAC 2-1.1-1.

- (c) The Permittee shall notify the IDEM, OAQ and OES within thirty (30) calendar days of implementing a notice-only change. [326 IAC 2-6.1-6(d)]
- (d) No permit amendment or modification is required for the addition, operation or removal of a non-road engine, as defined in 40 CFR 89.2.

**B.9 Inspection and Entry [326 IAC 2-5.1-3(e)(4)(B)] [326 IAC 2-6.1-5(a)(4)] [IC 13-14-2-2] [IC13-17-3-2][IC 13-30-3-1]**

---

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

- (a) Enter upon the Permittee's premises where a permitted 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, at reasonable times, any records that must be kept under this title or the conditions of this permit or any operating permit revisions;
- (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, at reasonable times, any processes, emissions units (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit or any operating permit revisions;

- (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, at reasonable times, 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.10 Transfer of Ownership or Operation [326 IAC 2-6.1-6(d)(3)]**

---

Pursuant to [326 IAC 2-6.1-6(d)(3)]:

- (a) In the event that ownership of this source is changed, the Permittee shall notify IDEM, OAQ, Permits Branch and OES, within thirty (30) days of the change.
- (b) The written notification shall be sufficient to transfer the permit to the new owner by a notice-only change pursuant to 326 IAC 2-6.1-6(d)(3).
- (c) IDEM, OAQ, and OES shall issue a revised permit.

The notification which shall be submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1.

**B.11 Annual Fee Payment [326 IAC 2-1.1-7]**

---

- (a) The Permittee shall pay annual fees to OES within thirty (30) calendar days of receipt of a billing.
- (b) The Permittee may call the following telephone number: 317-327-2234, to determine the appropriate permit fee.

**B.12 Credible Evidence [326 IAC 1-1-6]**

---

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

**SECTION C SOURCE OPERATION CONDITIONS**

Entire Source

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

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

**C.2 Permit Revocation [326 IAC 2-1.1-9]**

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

- (a) Violation of any conditions of this permit.
- (b) Failure to disclose all the relevant facts, or misrepresentation in obtaining this permit.
- (c) Changes in regulatory requirements that mandate either a temporary or permanent reduction of discharge of contaminants. However, the amendment of appropriate sections of this permit shall not require revocation of this permit.
- (d) Noncompliance with orders issued pursuant to 326 IAC 1-5 (Episode Alert Levels) to reduce emissions during an air pollution episode.
- (e) For any cause which establishes in the judgment of IDEM and OES, the fact that continuance of this permit is not consistent with purposes of this article.

**C.3 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 thirty percent (30%) 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 non-overlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

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

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

**C.5 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 by using good engineering practices (GEP) pursuant to 326 IAC 1-7-3.

**C.6 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]**

---

The Permittee shall comply with the applicable requirements of 326 IAC 14-10, 326 IAC 18, and 40 CFR 61.140.

**Testing Requirements**

**C.7 Performance Testing [326 IAC 3-6]**

---

- (a) Compliance testing on new emissions units shall be conducted within 60 days after achieving maximum production rate, but no later than 180 days after initial start-up, if specified in Section D of this approval. All testing shall be performed according to the provisions of 326 IAC 3-6 (Source Sampling Procedures), except as provided elsewhere in this permit, utilizing any applicable procedures and analysis methods specified in 40 CFR 51, 40 CFR 60, 40 CFR 61, 40 CFR 63, 40 CFR 75, or other procedures approved by IDEM, OAQ.

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

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

And

Indianapolis Office of Environmental Services  
Air Compliance  
2700 South Belmont Avenue  
Indianapolis, IN 46221-2009

no later than thirty-five (35) days prior to the intended test date.

- (b) The Permittee shall notify IDEM, OAQ and OES of the actual test date at least fourteen (14) days prior to the actual date.
- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ and OES not later than forty-five (45) days after the completion of the testing. An extension may be granted by the IDEM, OAQ and OES, 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.8 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**

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

---

Compliance with applicable requirements shall be documented as required by this permit. The Permittee shall be responsible for installing any necessary equipment and initiating any required

monitoring related to that equipment. All monitoring and record keeping requirements not already legally required shall be implemented when operation begins.

C.10 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.11 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 total static 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 (temperature or 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.

C.12 Compliance Response Plan - Preparation and Implementation

---

- (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 OES 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), 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 SSM Plan) shall be submitted within the time frames specified by the applicable 40 CFR60/63 requirement.

- (b) For each compliance monitoring condition of this permit, reasonable response steps shall be taken when indicated by the provisions of that compliance monitoring condition as follows:
- (1) Reasonable response steps shall be taken as set forth in the Permittee's current Compliance Response Plan or Operation, Maintenance and Monitoring (OMM) Plan (or 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) 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.13 Actions Related to Noncompliance Demonstrated by a Stack Test

---

- (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 emissions unit 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 re-testing in one hundred and twenty (120) days is not practicable, IDEM, OAQ may extend the re-testing deadline.
- (c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to non-compliant stack tests.

The response action documents submitted pursuant to this condition do not require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1.

### **Record Keeping and Reporting Requirements**

#### **C.14 Malfunctions Report [326 IAC 1-6-2]**

---

Pursuant to 326 IAC 1-6-2 (Records; Notice of Malfunction):

- (a) A record of all malfunctions, including startups or shutdowns of any facility or emission control equipment, which result in violations of applicable air pollution control regulations or applicable emission limitations shall be kept and retained for a period of three (3) years and shall be made available to the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) or appointed representative upon request.
- (b) When a malfunction of any facility or emission control equipment occurs which lasts more than one (1) hour, said condition shall be reported to OAQ, using the Malfunction Report Forms (2 pages). Notification shall be made by telephone or facsimile, as soon as practicable, but in no event later than four (4) daytime business hours after the beginning of said occurrence.
- (c) Failure to report a malfunction of any emission control equipment shall constitute a violation of 326 IAC 1-6, and any other applicable rules. Information of the scope and expected duration of the malfunction shall be provided, including the items specified in 326 IAC 1-6-2(a)(1) through (6).
- (d) Malfunction is defined as any sudden, unavoidable failure of any air pollution control equipment, process, or combustion or process equipment to operate in a normal and usual manner. [326 IAC 1-2-39]

#### **C.15 General Record Keeping Requirements [326 IAC 2-6.1-5]**

---

- (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 OES makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner or OES within a reasonable time.
- (b) Unless otherwise specified in this permit, all record keeping requirements not already legally required shall be implemented when operation begins.

C.16 General Reporting Requirements [326 IAC 2-1.1-11] [326 IAC 2-6.1-5] [IC 13-14-1-13]

- (a) 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
- And
- Indianapolis Office of Environmental Services  
Air Compliance  
2700 South Belmont Avenue  
Indianapolis, IN 46221-2009
- (b) 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 OES on or before the date it is due.
- (c) Unless otherwise specified in this permit, any semi-annual report required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. The report does not require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (d) 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.

## SECTION D.1 EMISSIONS UNITS OPERATION CONDITIONS

### Emissions Unit Description:

- (a) Emission Unit ID Calciment Blend Corporation, constructed in 2002, which consists of:
- (1) One (1) lime silo identified as EU-1 with 190 ton storage capacity.
  - (2) One (1) flyash silo identified as EU-2 with 750 ton storage capacity.
  - (3) Two (2) unloading pneumatic conveying systems for lime and flyash identified as, respectively, EU-3 and EU-4 each having a capacity of thirty two (32) tons per hour.
  - (4) One product loading pneumatic conveying system identified as EU-5 having a capacity of seventy five (75) tons per hour.
- Particulate matter emissions from the silos and the pneumatic conveying systems will be controlled by one (1) baghouse identified as CE-1 rated at 8280 scfm exhaust and vented to Stack/Vent SV-1.
- (b) One Lime Silo 2 identified as Emission Unit ID 03. Lime Silo 2 has a storage capacity of 100 tons, an hourly maximum throughput of thirty two (32) tons per hour and an annual maximum throughput of 12000 tons per year. Particulate matter emissions from Lime Silo 2 are controlled by a baghouse identified as CE-3 rated at 2500 acfm and exhausts to Stack/Vent SV-03. Constructed in 2004.
- (c) One (1) Haul Road with an approximate round trip distance on the unpaved road of 0.26 miles. Constructed in 2002.

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

### Emission Limitations and Standards

#### D.1.1 Particulate Emission Limitations for Manufacturing Processes [326 IAC 6-3-2]

- (a) Pursuant to 326 IAC 6-3-2(e) (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from EU-3, EU-4 and Lime Silo 2 shall each not exceed 40.5 pounds per hour when operating at a process weight rate of 32.0 tons per hour. The pounds per hour limitation was calculated using the following equation:

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

$$E = 55.0 P^{0.11} - 40$$

where E = rate of emission in pounds per hour;  
and P = process weight rate in tons per hour

- (b) Pursuant to 326 IAC 6-3-2(e) (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from EU-5 shall not exceed 48.4 pounds per hour when operating at a process weight rate of 75.0 tons per hour. The pounds per hour limitation was calculated using the following equation:

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

$$E = 55.0 P^{0.11} - 40$$

where E = rate of emission in pounds per hour;  
and P = process weight rate in tons per hour

#### D.1.2 Preventive Maintenance Plan [326 IAC 1-6-3]

---

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for Emission Unit ID Calciment Blend Corporation (EU-1, EU-2, EU-3, EU-4 and EU-5) and its control device, baghouse CE-1.

#### Compliance Determination Requirement

#### D.1.3 Particulate Control

---

In order to comply with D.1.1, baghouse CE-1 and baghouse CE-3 for particulate control shall be in operation and control emissions from product loading, blending and unloading at all times that the product loading, blending and unloading are in operation.

#### Compliance Monitoring Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]

#### D.1.4 Visible Emissions Notations

---

- (a) Daily visible emission notations of the Stack/Vent SV-1 stack exhaust shall be performed during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.
- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
- (e) The Compliance Response Plan for this unit 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 and Implementation shall be considered a deviation from this permit.

#### D.1.5 Parametric Monitoring

---

The Permittee shall record the total static pressure drop across the baghouse identified as CE-1, used in conjunction with the product loading, blending and unloading operations at least once per day when product loading, blending and unloading is in operation and when venting to the atmosphere. When for any one reading, the pressure drop across the baghouse is outside the normal range of 3.0 and 6.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C- Compliance Response Plan - Preparation and Implementation. 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 and Implementation shall be considered a deviation from this permit.

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

#### D.1.6 Baghouse Inspections

---

An inspection shall be performed each calendar quarter of all bags controlling the product loading, blending and unloading operation when venting to the atmosphere. A baghouse inspection shall be performed within three months of redirecting vents to the atmosphere and every three months thereafter. Inspections are optional when venting to the indoors. All defective bags shall be replaced.

#### D.1.7 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 and Implementation 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.

### **Record Keeping and Reporting Requirement [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]**

#### D.1.8 Record Keeping Requirements

---

- (a) To document compliance with Condition D.1.4, the Permittee shall maintain records of daily visible emission notations of the Stack/Vent SV-1 stack exhaust.
- (b) To document compliance with Condition D.1.5, the Permittee shall maintain the following:
  - (1) Daily records of the total static pressure drop during normal operation when venting to the atmosphere.
  - (2) Documentation of the dates vents are redirected.
- (c) To document compliance with Condition D.1.6, the Permittee shall maintain records of the results of the inspections required under Condition D.1.6 and the dates the vents are redirected.
- (d) To document compliance with Condition D.1.2, the Permittee shall maintain records of any additional inspections prescribed by the Preventive Maintenance Plan.

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

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
COMPLIANCE BRANCH  
and  
CITY of INDIANAPOLIS  
OFFICE OF ENVIRONMENTAL SERVICES**

**MINOR SOURCE OPERATING PERMIT  
ANNUAL NOTIFICATION**

This form should be used to comply with the notification requirements under 326 IAC 2-6.1-5(a)(5).

<b>Company Name:</b>	<b>Calciment Blend Corporation</b>
<b>Address:</b>	<b>4192 South Harding Street, Indianapolis, IN 46217</b>
<b>City:</b>	<b>Indianapolis</b>
<b>Phone #:</b>	<b>(937) 320-9383</b>
<b>MSOP #:</b>	<b>097-17405-00424</b>

I hereby certify that Calciment Blend Corporation is  still in operation.  
 no longer in operation.

I hereby certify that Calciment Blend Corporation is  in compliance with the requirements of MSOP **097-17405-00424**.  
 not in compliance with the requirements of MSOP **097-17405-00424**.

<b>Authorized Individual (typed):</b>
<b>Title:</b>
<b>Signature:</b>
<b>Date:</b>

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

<b>Noncompliance:</b>

**MALFUNCTION REPORT**

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
FAX NUMBER - 317 233-5967  
OES FAX NUMBER - 317 327-2274**

**This form should only be used to report malfunctions applicable to Rule 326 IAC 1-6 and to qualify for the exemption under 326 IAC 1-6-4.**

THIS FACILITY MEETS THE APPLICABILITY REQUIREMENTS BECAUSE IT HAS POTENTIAL TO EMIT 25 TONS/YEAR PARTICULATE MATTER ? \_\_\_\_\_, 25 TONS/YEAR SULFUR DIOXIDE ? \_\_\_\_\_, 25 TONS/YEAR NITROGEN OXIDES? \_\_\_\_\_, 25 TONS/YEAR VOC ? \_\_\_\_\_, 25 TONS/YEAR HYDROGEN SULFIDE ? \_\_\_\_\_, 25 TONS/YEAR TOTAL REDUCED SULFUR ? \_\_\_\_\_, 25 TONS/YEAR REDUCED SULFUR COMPOUNDS ? \_\_\_\_\_, 25 TONS/YEAR FLUORIDES ? \_\_\_\_\_, 100TONS/YEAR CARBON MONOXIDE ? \_\_\_\_\_, 10 TONS/YEAR ANY SINGLE HAZARDOUS AIR POLLUTANT ? \_\_\_\_\_, 25 TONS/YEAR ANY COMBINATION HAZARDOUS AIR POLLUTANT ? \_\_\_\_\_, 1 TON/YEAR LEAD OR LEAD COMPOUNDS MEASURED AS ELEMENTAL LEAD ? \_\_\_\_\_, OR IS A SOURCE LISTED UNDER 326 IAC 2-5.1-3(2) ? \_\_\_\_\_. EMISSIONS FROM MALFUNCTIONING CONTROL EQUIPMENT OR PROCESS EQUIPMENT CAUSED EMISSIONS IN EXCESS OF APPLICABLE LIMITATION \_\_\_\_\_.

THIS MALFUNCTION RESULTED IN A VIOLATION OF: 326 IAC \_\_\_\_\_ OR, PERMIT CONDITION # \_\_\_\_\_ AND/OR PERM LIMIT OF \_\_\_\_\_

THIS INCIDENT MEETS THE DEFINITION OF >MALFUNCTION= AS LISTED ON REVERSE SIDE ?    Y        N

THIS MALFUNCTION IS OR WILL BE LONGER THAN THE ONE (1) HOUR REPORTING REQUIREMENT ?    Y        N

COMPANY: \_\_\_\_\_ PHONE NO. (    ) \_\_\_\_\_  
LOCATION: (CITY AND COUNTY) \_\_\_\_\_  
PERMIT NO. \_\_\_\_\_ AFS PLANT ID: \_\_\_\_\_ AFS POINT ID: \_\_\_\_\_ INSP: \_\_\_\_\_  
CONTROL/PROCESS DEVICE WHICH MALFUNCTIONED AND REASON: \_\_\_\_\_

DATE/TIME MALFUNCTION STARTED: \_\_\_\_/\_\_\_\_/20\_\_\_\_        AM / PM

ESTIMATED HOURS OF OPERATION WITH MALFUNCTION CONDITION:

DATE/TIME CONTROL EQUIPMENT BACK-IN SERVICE \_\_\_\_/\_\_\_\_/20\_\_\_\_        AM/PM

TYPE OF POLLUTANTS EMITTED: PM, PM-10, SO2, VOC, OTHER: \_\_\_\_\_

ESTIMATED AMOUNT OF POLLUTANT EMITTED DURING MALFUNCTION: \_\_\_\_\_

MEASURES TAKEN TO MINIMIZE EMISSIONS: \_\_\_\_\_

REASONS WHY FACILITY CANNOT BE SHUTDOWN DURING REPAIRS:

CONTINUED OPERATION REQUIRED TO PROVIDE ESSENTIAL\* SERVICES: \_\_\_\_\_

CONTINUED OPERATION NECESSARY TO PREVENT INJURY TO PERSONS: \_\_\_\_\_

CONTINUED OPERATION NECESSARY TO PREVENT SEVERE DAMAGE TO EQUIPMENT: \_\_\_\_\_

INTERIM CONTROL MEASURES: (IF APPLICABLE) \_\_\_\_\_

MALFUNCTION REPORTED BY: \_\_\_\_\_ TITLE: \_\_\_\_\_  
(SIGNATURE IF FAXED)

MALFUNCTION RECORDED BY: \_\_\_\_\_ DATE: \_\_\_\_\_ TIME: \_\_\_\_\_

\*SEE PAGE 2

**Please note - This form should only be used to report malfunctions  
applicable to Rule 326 IAC 1-6 and to qualify for  
the exemption under 326 IAC 1-6-4.**

**326 IAC 1-6-1 Applicability of rule**

Sec. 1. This rule applies to the owner or operator of any facility required to obtain a permit under 326 IAC 2-5.1 or 326 IAC 2-6.1.

**326 IAC 1-2-39 "Malfunction" definition**

Sec. 39. Any sudden, unavoidable failure of any air pollution control equipment, process, or combustion or process equipment to operate in a normal and usual manner.

**\*Essential services** are interpreted to mean those operations, such as, the providing of electricity by power plants. Continued operation solely for the economic benefit of the owner or operator shall not be sufficient reason why a facility cannot be shutdown during a control equipment shutdown.

If this item is checked on the front, please explain rationale:

---

---

**INDIANA DEPARTMENT of ENVIRONMENTAL MANAGEMENT  
OFFICE of AIR QUALITY  
and  
CITY of INDIANAPOLIS  
OFFICE OF ENVIRONMENTAL SERVICES**

**Technical Support Document (TSD) for a Minor Source Operating Permit**

**Source Background and Description**

<b>Source Name:</b>	<b>Calciment Blend Corporation</b>
<b>Source Location:</b>	<b>4192 South Harding Street, Indianapolis, IN 46217</b>
<b>County:</b>	<b>Marion</b>
<b>SIC Code:</b>	<b>3272</b>
<b>Part 70 Minor Source Modification No.:</b>	<b>097-15342-00033</b>
<b>Part 70 Minor Source Modification Issuance Date:</b>	<b>November 6, 2002</b>
<b>MSOP No.:</b>	<b>097-17405-00424</b>
<b>Permit Reviewer:</b>	<b>M. Caraher</b>

The Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) and the City of Indianapolis Office of Environmental Services (OES) have reviewed an operation permit application from Calciment Blend Corporation relating to the operation of a flyash and limestone blending operation under a Standard Industrial Classification (SIC) Code of 3272 (establishments engaged in manufacturing concrete products, except block and brick).

**Permitted Emission Units and Pollution Control Equipment**

The source consists of the following permitted emission units and pollution control devices:

- (a) Emission Unit ID Calciment Blend Corporation, constructed in 2002, which consists of:
- (1) One (1) lime silo identified as EU-1 with 190 ton storage capacity.
  - (2) One (1) flyash silo identified as EU-2 with 750 ton storage capacity.
  - (3) Two (2) unloading pneumatic conveying systems for lime and flyash identified as, respectively, EU-3 and EU-4 each having a capacity of thirty two (32) tons per hour.
  - (4) One (1) product loading pneumatic conveying system identified as EU-5 having a capacity of seventy five (75) tons per hour.

Particulate matter emissions from the silos and the pneumatic conveying systems will be controlled by one (1) baghouse identified as CE-1 rated at 8280 scfm exhaust and vented to Stack/Vent SV-1.

**Unpermitted Emission Units and Pollution Control Equipment**

The source also consists of the following unpermitted emission units:

- (a) One (1) Lime Silo 2 identified as Emission Unit ID 03. Lime Silo 2 has a storage capacity of 100 tons, an hourly maximum throughput of 32 tons per hour and an annual maximum throughput of 12000 tons per year. Particulate matter emissions from Lime Silo 2 are

controlled by a baghouse identified as CE-3 rated at 2500 acfm and exhausts to Stack/Vent SV-03. Constructed in 2004.

- (b) One (1) Haul Road with an approximate round trip distance on the unpaved road of 0.26 miles. Constructed in 2002.

On March 29, 2004, Calciment Blend Corporation submitted an application, 097-19021-00424, to add Lime Silo 2 identified as Emission Unit ID 03 to the Calciment Blend Corporation operations. The addition of Lime Silo 2 has the potential to emit PM of 1.6 tons per year and the potential to emit PM10 of 0.8 tons per year (see TSD Appendix A page 2 of 3) which is less than five (5) tons per year of PM and PM10. Pursuant to 326 IAC 2-1.1-3(e)(1), the permit revisions requirements of 326 IAC 2-6.1-6(g) and (i) do not apply to modifications to existing sources with the potential to emit less than five (5) tons per year of PM or PM10. Therefore, the addition of Lime Silo 2 does not require approval prior to construction and operation. This Minor Source Operating Permit incorporates the application, 097-19021-00424, made by Calciment Blend Corporation on March 29, 2004 to add Lime Silo 2 in to the Minor Source Operating Permit 097-17405-00424.

Pursuant to 326 IAC 2-1.1-3(e)(16), new sources or modifications of existing sources that consist of paved and unpaved roads and parking lots with public access, do not require approval prior to construction and operation under 326 IAC 2-6.1-6(g) and (i). Therefore, the Haul Road is incorporated in to the Minor Source Operating Permit 097-17405-00424.

#### **Justification for the Transition from a Part 70 Minor Source Modification to a Minor Source Operating Permit issued pursuant to 326 IAC 2-6.1 (Minor Source Operating Permit Program)**

The initial construction permitting requirements for the Calciment Blend Corporation was satisfied by the issuance of the Part 70 Minor Source Modification 097-15342-00033 on November 6, 2002. Pursuant to Condition A.3 (Part 70 Permit Applicability) of the Part 70 Minor Source Modification 097-15342-00033, the modification will be incorporated into the Part 70 Operating Permit of the Indianapolis Power & Light Company – Harding Street Station (097-6566-00033).

On June 29, 2004, based on public notice comments received on the draft Part 70 Operating Permit for the Indianapolis Power & Light Company – Harding Street Station (097-6566-00033), IDEM, OAQ and OES determined that the Calciment Blend Corporation and the Indianapolis Power & Light Company – Harding Street Station are not the same source for Part 70 Operating Permit requirements pursuant to 326 IAC 2-7 (Part 70 Permit Program).

Therefore, pursuant to 326 IAC 2-5.1-4 (Transition Procedures), a source may request approval to operate under a state operating permit under 326 IAC 2-6.1 if the permit does not include terms and conditions that limit the potential to emit of the source to below thresholds that would require a Part 70 Permit. Because the Calciment Blend Corporation does not have the potential to emit a regulated pollutant in excess of any major source threshold (see TSD Appendix A pages 1 through 3 of 3), the Calciment Blend Corporation will transition to this Minor Source Operating Permit (097-17405-00424) issued pursuant to 326 IAC 2-6.1 (Minor Source Operating Permit).

#### **Existing Approvals**

The source has been operating under previous approvals including, but not limited to, the following:

- (a) **Interim Minor Source Modification 097-15342i- 00033** issued on May 2, 2002; and
- (b) **Part 70 Minor Source Modification 097-15342-00033** issued on November 6, 2002.

All conditions from previous approvals were incorporated into this permit except the following:

- (a) **Part 70 Minor Source Modification 097-15342-00033** issued on November 6, 2002.

Condition: Cover page Title of the source as Calciment Blend Corporation and the Harding Street Station and all reference to the plant ID for the Calciment Blend Corporation as 097-00033.

Condition A.3: 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 it is located at a property of a major source – IPL Harding Street Station (contiguous facilities), a major source, as defined in 326 IAC 2-7-1(22). This modification will be incorporated in the Part 70 Permit of the IPL Harding Street Station, upon its issuance.

Reason not incorporated: A separate administrative draft Part 70 Operating Permit for the Calciment Blend Corporation, T097-17405-00424, was public noticed for a period of sixty (60) days on December 31, 2003. A separate administrative draft Part 70 Operating Permit for the Indianapolis Power & Light Company – Harding Street Station, T097-6566-00033, was public noticed for a period of sixty (60) days on December 31, 2003.

As a result of public notice period comments received from both the Calciment Blend Corporation and the Indianapolis Power & Light Company – Harding Street Station, IDEM, OAQ and OES have evaluated whether or not these two operations should be considered the same source for Part 70 Operating Permit requirements.

On June 29, 2004, IDEM, OAQ and OES determined that the Calciment plant was built in 2002 under an interim minor source modification to the Indianapolis Power & Light Company - Harding Street Station plant (IPL). Calciment mixes flyash with lime to create a concrete product. Calciment usually gets 100% of the flyash it uses in its production from IPL but has received flyash from the Citizens Thermal Energy plant in Indianapolis in the past, but does not currently. Calciment takes about 20% of IPL's total flyash. IPL sends the remaining flyash to sludge ponds or ships it offsite. Calciment does not send any of its products to IPL. The two corporations operate on the same property. They do not share common employees. The corporations have separate management. The corporations do not have a common owner. The two plants do not have the same two digit SIC code. Calciment does not supply a necessary raw material to IPL. As part of its production of electricity, IPL produces flyash as part of its emissions control activities. Calciment assists IPL by removing some of the flyash. Calciment could be located elsewhere and serve the same purpose. If IPL were to close, other sources could supply flyash to Calciment. IPL could operate in the absence of Calciment.

Therefore, these two operations, the Indianapolis Power & Light Company – Harding Street Station and the Calciment Blend Corporation are not considered the same source for Part 70 Operating Permit requirements. The potential to emit regulated pollutants from the Calciment Blend Corporation is less than the major source threshold (see TSD Appendix A pages 1 through 3 of 3). Therefore, the Minor Source Modification, 097-15342-00033, will not be incorporated in to the Part 70 Operating Permit for the Indianapolis Power & Light Company – Harding Street Station nor will it be incorporated as a separate administrative Part 70 Operating Permit for the Calciment Blend Corporation. As a result, a Minor Source Operating Permit (MSOP) with the separate plant ID of 097-00424 for the Calciment Blend Corporation is now proposed.

- (b) **Part 70 Minor Source Modification 097-15342-00033** issued on November 6, 2002.

Condition C.9 Emergency Provisions [326 IAC 2-7-16] and the Emergency Occurrence Report Form on page 16 of 18 of Part 70 Minor Source Modification 097-15342-00033.

Reason not incorporated: Because 326 IAC 2-7 (Part 70 Permit Program) is no longer applicable to the Calciment Blend Corporation, the emergency provisions of 326 IAC 2-7-16 are not applicable to this source. Because the Calciment Blend Corporation does not

have the potential to emit regulated pollutants in excess of any major source threshold, the applicable requirement for minor sources in Indiana reporting malfunctions is 326 IAC 1-6 (Malfunctions).

(c) **Part 70 Minor Source Modification 097-15342-00033** issued on November 6, 2002.

Condition D.1.1(a) Particulate Matter (PM and PM10) [326 IAC 2-7-10.5(d)(5)(E)] and [326 IAC 6-3-2]: Pursuant to 326 IAC 2-7-10.5(d)(5)(E), the raw material throughput shall be limited to 130,000 tons per 12 consecutive months, rolled on a monthly basis, which is equivalent to PM emissions of 20.2 tons before control per 12 consecutive months and PM10 emissions of 10.3 tons before control per 12 consecutive months.

Reason not incorporated: Because Calciment Blend Corporation and the Indianapolis Power & Light Company – Harding Street Station had been previously deemed the same source for Part 70 Operating Permit applicability, the Calciment Blend Corporation sought to obtain new source construction permitting for the new operation under 326 IAC 2-7-10.5(d)(5)(E). Pursuant to 326 IAC 2-7-10.5(d)(5)(E), a Part 70 Source that does not yet have an issued Part 70 Operating Permit and proposes to construct a new emission unit, modify an existing emission unit or otherwise modify the source may be issued a Part 70 Minor Source Modification if limiting raw material throughput limits the potential to emit regulated pollutants, other than hazardous air pollutants, to less than twenty five (25) tons per year. The Calciment Blend Corporation does not have the potential to emit any regulated pollutant in excess of a major source threshold (see TSD Appendix A pages 1 through 3 of 3). Because 326 IAC 2-7 (Part 70 Permit Program) is no longer applicable to the Calciment Blend Corporation, a raw material throughput limitation is no longer necessary in order to limit the potential to emit of the Calciment Blend Corporation such that compliance with the provisions of 326 IAC 2-7 (Part 70 Permit Program) will be demonstrated.

(d) **Part 70 Minor Source Modification 097-15342-00033** issued on November 6, 2002.

Condition D.1.1(b) Particulate Matter (PM and PM10) [326 IAC 2-7-10.5(d)(5)(E)] and [326 IAC 6-3-2]: Pursuant to 326 IAC 6-3-2(e), PM emissions from unloading of lime and flyash, EU-3 and EU-4 each shall not exceed the allowable PM emission rate of 41.8 lb/hr. PM emissions from the loading of product, EU-5, shall not exceed the allowable PM emission rate of 74.0 lb/hr.

Reason not incorporated: The allowable PM emission rate was calculated using the 326 IAC 6-3-2 equation for process rates of up to 60,000 pounds per hour (30 tons per hour) instead of utilizing the 326 IAC 6-3-2 equation for process rates in excess of than 60,000 pounds per hour. EU-3 (32.0 tons per hour), EU-4 (32.0 tons per hour) and EU-5 (75 tons per hour) each have maximum process rates in excess of 30 tons per hour and, therefore, the allowable PM emission rate should be recalculated utilizing the following equation from 326 IAC 6-3-2:

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

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

(e) **Part 70 Minor Source Modification 097-15342-00033** issued on November 6, 2002.

Condition D.1.2 Preventive Maintenance Plan [326 IAC 2-7-5(13)]: A Preventive Maintenance Plan, in accordance with Section C.2 – Preventive Maintenance Plan, of this Permit, is required for this facility and any control devices.

Reason not incorporated: Because 326 IAC 2-7 (Part 70 Permit Program) is no longer applicable to the Calciment Blend Corporation, the preventive maintenance plan requirements of 326 IAC 2-7-5(13) are not applicable to this source. Because the Calciment Blend Corporation does not have the potential to emit regulated pollutants in excess of any major source threshold, the applicable requirement for minor sources in Indiana for preventive maintenance plans is 326 IAC 1-6-3 (Malfunctions: Preventive Maintenance Plans).

- (f) **Part 70 Minor Source Modification 097-15342-00033** issued on November 6, 2002.

Condition D.1.7 Reporting Requirements. A quarterly summary of the information to document compliance with the raw material throughput limit, in accordance with Condition D.1.1(a), shall be submitted to the addresses listed in Section C – General Reporting Requirements, of this Permit, using the reporting form located at the end of this Permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the “responsible official” as defined by 326 IAC 2-7-1(34).

Condition: Part 70 Source Modification Quarterly Report Form on page 18 of 18 of the Part 70 Minor Source Modification 097-15342-00033.

Reason not incorporated: Because 326 IAC 2-7 (Part 70 Permit Program) is no longer applicable to the Calciment Blend Corporation, a raw material throughput limitation is no longer necessary in order to limit the potential to emit of the Calciment Blend Corporation such that compliance with the provisions of 326 IAC 2-7 (Part 70 Permit Program) will be demonstrated. Because the Calciment Blend Corporation does not have the potential to emit regulated pollutants in excess of any major source threshold, quarterly reporting twelve consecutive month raw material throughput is no longer required to demonstrate that limiting the potential to emit of the Calciment Blend Corporation demonstrates compliance with the provisions of 326 IAC 2-7 (Part 70 Permit Program).

### Enforcement Issue

There are no enforcement actions pending.

### Stack Summary

Stack ID	Operation	Height (ft)	Diameter (ft)	Flow Rate (acfm)	Temperature (°F)
SV-1	Baghouse (CE-1)	10	2.3	8280	Ambient
SV-3	Baghouse (CE-3)	10	2.3	2500	Ambient

### Recommendation

The staff recommends to the Administrator that the operation be approved. This recommendation is based on the following facts and conditions:

Unless otherwise stated, information used in this review was derived from the application submitted by Calciment Blend Corporation on February 25, 2002. Pursuant to 326 IAC 2-7-10.5(l)(3), the application was incorporated in to the pending Part 70 Permit application for the Indianapolis Power & Light Company - Harding Street Station submitted on September 13, 1996 and additional information submitted by the applicant. Additional information was received from the Calciment Blend Corporation on April 25, 2002, July 11, 2002 and October 21, 2002.

### Emission Calculations

See Appendix A (pages 1 through 3 of 3) of this document for detailed emission calculations.

### Potential to Emit of the Source Before Controls

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

Pollutant	Potential to Emit (tons/yr)
PM	88.5
PM-10	45.1
SO <sub>2</sub>	0.0
VOC	0.0
CO	0.0
NO <sub>x</sub>	0.0

HAPs	Potential to Emit (tons/yr)
NA	NA
Total	Negligible

- (a) The potential to emit (as defined in 326 IAC 2-7-1(29)) of all criteria pollutants are each less than 100 tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-6.1. An MSOP will be issued.
- (b) The potential to emit (as defined in 326 IAC 2-7-1(29)) of any single HAP is less than ten (10) tons per year and/or the potential to emit (as defined in 326 IAC 2-7-1(29)) of a combination of HAPs is less than twenty-five (25) tons per year. Therefore, the source is not subject to the provisions of 326 IAC 2-7 (Part 70 Permit Program).
- (c) Fugitive Emissions  
 Since this type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2 and since there are no applicable New Source Performance Standards that were in effect on August 7, 1980, the fugitive particulate matter (PM) emissions are not counted toward determination of PSD and Emission Offset applicability.

### County Attainment Status

The source is located in Marion County.

Pollutant	Status
PM2.5	Nonattainment
PM10	Unclassifiable
SO <sub>2</sub>	Maintenance Attainment
NO <sub>x</sub>	Attainment
1-hour Ozone	Maintenance attainment
8-hour Ozone	Basic nonattainment
CO	Attainment
Lead	Unclassifiable

- (a) Volatile organic compounds (VOC) and Nitrogen Oxides (NO<sub>x</sub>) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NO<sub>x</sub> emissions are

considered when evaluating the rule applicability relating to the ozone standards. Marion County has been designated as nonattainment for the 8-hour ozone standard. Therefore, VOC and NO<sub>x</sub> emissions were reviewed pursuant to the requirements for Emission Offset, 326 IAC 2-3.

- (b) Marion County has been classified as nonattainment for PM<sub>2.5</sub> in 70 FR 943 dated January 5, 2005. Until U.S. EPA adopts specific New Source Review rules for PM<sub>2.5</sub> emissions, it has directed states to regulate PM-10 emissions as surrogate for PM<sub>2.5</sub> emissions, pursuant to the Non-attainment New Source Review requirements. See the State Rule Applicability for the source section.
- (c) Marion County has been classified as attainment or unclassifiable in Indiana for all other criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2. See the State Rule Applicability for the source section.
- (d) Fugitive Emissions  
Since this type of operation is not one of the 28 listed source categories under 326 IAC 2-2 or 2-3 and since there are no applicable New Source Performance Standards that were in effect on August 7, 1980, the fugitive particulate matter (PM) and volatile organic compound (VOC) emissions are not counted toward determination of PSD and Emission Offset applicability.

### Source Status

Existing Source PSD, Part 70, or FESOP Definition (emissions after controls, based on 8760 hours of operation per year at rated capacity and/or as otherwise limited):

Pollutant	Emissions (tons/yr)
PM	88.5
PM-10	45.1
SO <sub>2</sub>	0.0
VOC	0.0
CO	0.0
NO <sub>x</sub>	0.0
Single HAP	0.0
Combination HAPs	0.0

- (a) This existing source is not a major stationary source because no attainment regulated pollutant is emitted at a rate of 250 tons per year or greater and it is not in one of the 28 listed source categories. Hence, the requirements of 326 IAC 2-2 do not apply.
- (b) This existing source is not a major stationary source because no nonattainment regulated pollutant is emitted at a rate of 100 tons per year or greater and it is not in one of the 28 listed source categories. Hence, the requirements of 326 IAC 2-2 do not apply.
- (c) These emissions were based on the Part 70 Minor Source Modification application submitted by the company.

### Part 70 Permit Determination

326 IAC 2-7 (Part 70 Permit Program)

This existing source, including the emissions from this permit **097-17405-00424**, is still not subject to the Part 70 Permit requirements because the potential to emit (PTE) of:

- (a) each criteria pollutant is less than 100 tons per year,

- (b) a single hazardous air pollutant (HAP) is less than 10 tons per year, and
- (c) any combination of HAPs is less than 25 tons per year.

This status is based on all the air approvals issued to the source. This status has been verified by the OES inspector assigned to the source.

### **Federal Rule Applicability**

- (a) The Calciment Blend Corporation is not subject to the requirements of the New Source Performance Standard, 326 IAC 12 (40 CFR 60.670), Subpart OOO (Standards of Performance for Nonmetallic Mineral Processing Plants) because the source does not crush or grind nonmetallic minerals as defined in 40 CFR 60.671. However, Calciment Blend Corporation does blend limestone, a nonmetallic mineral, with flyash but does not utilize any combination of equipment to crush or grind a nonmetallic mineral as defined in 40 CFR 60.671. Pursuant to the Federal Register notice of November 26, 1997, EPA published a notice of policy clarification that crushing or grinding of nonmetallic minerals must take place at a source for Subpart OOO to be applicable and as long as crushing or grinding occurs at a nonmetallic mineral processing plant, any affected facility listed in 40 CFR 60.670(a) may be subject to Subpart OOO. Therefore, 40 CFR 60.670 Subpart OOO does not apply to the Calciment Blend Corporation.

There are no New Source Performance Standards (NSPS) (326 IAC 12 and 40 CFR Part 60) applicable to the Calciment Blend Corporation.

- (b) There are no National Emission Standards for Hazardous Air Pollutants (NESHAP) (326 IAC 14, 20 and 40 CFR Part 61, 63) applicable to this source.
- (c) The requirements of 40 CFR Part 64, Compliance Assurance Monitoring, are not applicable to this source. Such requirements apply to a pollutant specific emissions unit (PSEU) as defined in 40 CFR Part 64, at a major source that is required to obtain a Part 70 or 71 permit if the PSEU meets the following criteria:
  - (1) The unit is subject to an emission limitation or standard for an applicable regulated pollutant;
  - (2) The unit uses a control device as defined in 40 CFR 64.1 to comply with that emission limitation or standard, and
  - (3) The unit has a potential to emit (PTE) before controls equal to or greater than 100 percent of the amount (tons per year) of the pollutant required for a source to be classified as a Part 70 major source.

This source is a MSOP and is not a major Part 70 source. Therefore, the requirements of 40 CFR 64 (Compliance Assurance Monitoring), are not applicable to Calciment Blend Corporation.

### **State Rule Applicability – Entire Source**

326 IAC 2-2 (Prevention of Significant Deterioration (PSD) Requirements) and 326 IAC 2-3 (Emission Offset)

This existing source is not a major stationary source because no attainment regulated pollutant emissions are equal to or greater than two hundred fifty (250) tons per year, this source is not one of the 28 listed source categories under 326 IAC 2-2 or 326 IAC 2-3 and no attainment or nonattainment regulated pollutant emissions are equal to or greater than one hundred (100) tons per year. There have been no modifications or revisions to this source that were major modifications pursuant to 326 IAC 2-2 or 326 IAC 2-3. Therefore, 326 IAC 2-2 or 326 IAC 2-3 are each not applicable to the Calciment Blend Corporation.

326 IAC 2-4.1-1 (New Source Toxics Control)

The Calciment Blend Corporation commenced operation after July 27, 1997 but has no hazardous air pollutant (HAP) emissions. Therefore, the requirements of 326 IAC 2-4.1-1 do not apply.

326 IAC 2-6 (Emission Reporting)

Pursuant to 326 IAC 2-6-1(a)(1), (2), and (3), this source is not subject to 326 IAC 2-6 (Emission Reporting) because, as an MSOP source, it is not required to have an operating permit under 326 IAC 2-7, it does not emit lead into the ambient air at levels equal to or greater than five (5) tons per year, and it is not located in Lake or Porter Counties. However, pursuant to 326 IAC 2-6-1(b), as a permitted source in Indiana, it is subject to 326 IAC 2-6-5 (Additional Information Requests).

326 IAC 2-6.1 (Minor Source Operating Permit)

The Calciment Blend Corporation does not have the potential to emit any regulated pollutant in excess of a major source threshold. The Calciment Blend Corporation does have the potential to emit PM and PM10 each greater than twenty five (25) tons per year (see TSD Appendix A pages 1 through 3 of 3). Therefore, the Calciment Blend Corporation is subject to the operating permit requirements of 326 IAC 2-6.1.

326 IAC 5-1 (Opacity Limitations)

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

- (a) Opacity shall not exceed an average of thirty percent (30%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
- (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations)

Pursuant to 326 IAC 6-5, the potential to emit fugitive particulate matter (PM) from the Calciment Blend Corporation is less than twenty five (25) tons per year. Therefore, 326 IAC 6-5 does not apply to the Calciment Blend Corporation.

326 IAC 7 (Sulfur Dioxide Rules)

All facilities with a potential to emit twenty five (25) tons per year or ten (10) pounds per hour of sulfur dioxide shall comply with the limitations in 326 IAC 7-1.1-2 (Sulfur Dioxide Emission Limitations: Specified) and compliance test methods in 326 IAC 7-2 (Sulfur Dioxide Compliance). Because the Calciment Blend Corporation has no sulfur dioxide emissions, the requirements of 326 IAC 7 do not apply.

326 IAC 8-1-6 (New Source General Emission Reduction Requirements)

The Calciment Blend Corporation commenced operation after January 1, 1980. However, the Calciment Blend Corporation has no VOC emissions. Therefore, the requirements of 326 IAC 8-1-6 do not apply.

326 IAC 9 (Carbon Monoxide Emission Limits)

This source does not perform any of the operations identified in 326 IAC 9. Therefore 326 IAC 9 does not apply to this source.

326 IAC 11 (Emission Limitations for Specific Types of Operations)

This source does not perform any of the operations identified in 326 IAC 11. Therefore 326 IAC 11 does not apply to this source.

326 IAC 12 (New Source Performance Standards)

There are no New Source Performance Standards (NSPS) (326 IAC 12 and 40 CFR Part 60) applicable to the Calciment Blend Corporation.

326 IAC 14 (Emission Standards for Hazardous Air Pollutants)

The Calciment Blend Corporation does not perform any of the operations identified in 326 IAC 14. Therefore, 326 IAC 14 does not apply to this source.

326 IAC 20 (Hazardous Air Pollutants)

The Calciment Blend Corporation does not perform any of the operations identified in 326 IAC 20. The Calciment Blend Corporation operations do not have the potential to emit hazardous air pollutants. Therefore, 326 IAC 20 does not apply to this source.

326 IAC 21 (Acid Deposition Control)

Calciment Blend Corporation operations are not subject to the Acid Rain Program Provisions of Title IV of the 1990 Clean Air Act Amendments as listed in 40 CFR Part 72 through 78 and are, therefore, not subject to 326 IAC 21.

**State Rule Applicability – Individual Facilities**

Emission Unit ID Calciment Blend Corporation (EU-1, EU-2, EU-3, EU-4 & EU-5)

326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes)

Pursuant to 326 IAC 6-3-2 (e) (Particulate Emission Limitations for Manufacturing Processes):

- (a) The particulate (PM) from the unloading of lime and flyash, EU-3 and EU-4, each with a capacity of 32 tons per hour, shall be limited by the following:

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

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

$$E = 55.0(32.0)^{0.11} - 40 = 40.5 \text{ pounds PM per hour.}$$

The baghouse for particulate control, identified as CE-1, shall be in operation at all times when unloading of lime and flyash is in operation, in order to comply with this limit.

- (b) The particulate from the loading of product, EU-5, with a capacity of 75 tons per hour, shall be limited by the following:

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

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

$$E = 55.0(75.0)^{0.11} - 40 = 48.4 \text{ pounds PM per hour.}$$

The baghouse for particulate control identified as CE-1, shall be in operation at all times the loading of product is in operation, in order to comply with this limit.

### Lime Silo 2; Haul Road

#### 326 IAC 2-1.1-3 (Exemptions)

Pursuant to 326 IAC 2-1.1-3(e)(1), the permit revisions requirements of 326 IAC 2-6.1-6(g) and (i) do not apply to modifications to existing sources with the potential to emit less than five (5) tons per year of PM or PM10. The addition of Lime Silo 2 does not have the potential to emit PM or PM10 equal to or greater than five (5) tons per year (see TSD Appendix A page 2 of 3). Therefore, the addition of Lime Silo 2 does not require approval prior to construction and operation. This Minor Source Operating Permit incorporates the application, 097-19021-00424, made by Calciment Blend Corporation on March 29, 2004 to add Lime Silo 2 in to the Minor Source Operating Permit 097-17405-00424.

Pursuant to 326 IAC 2-1.1-3(e)(16), new sources or modifications of existing sources that consist of paved and unpaved roads and parking lots with public access, do not require approval prior to construction and operation under 326 IAC 2-6.1-6(g) and (i). Therefore, the Haul Road is incorporated in to the Minor Source Operating Permit 097-17405-00424.

#### 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes)

Pursuant to 326 IAC 6-3-2 (e) (Particulate Emission Limitations for Manufacturing Processes):

The particulate from unloading of lime to Lime Silo 2, with a capacity of 32 tons per hour, shall be limited by the following:

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

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

$$E = 55.0(32.0)^{0.11} - 40 = 40.5 \text{ pounds PM per hour.}$$

The baghouse for particulate control identified as CE-3, shall be in operation at all times Lime Silo 2 is in operation, in order to comply with this limit.

### **Conclusion**

The operation of this flyash and limestone blending and loading operation shall be subject to the conditions of the **Minor Source Operating Permit 097-17405-00424**.

**Appendix A: Emission Calculations  
Calciment Blend Corporation**

**Flyash & Limestone  
Unloading, Blending,  
Loadout.  
Fugitive emissions from  
Haul Road**

**Company Name:** Calciment Blend Corporation  
**Address City IN Zip:** 4192 South Harding Street, Indpls., IN 46217  
**MSOP No.:** 097-17405-00424  
**Plt ID:** 097-00424  
**Reviewer:** M. Caraher  
**Date:** July 6, 2004

Maximum Process Rate tons/hour
64

Maximum Process Rate tons/day
1536

PM emfac unloading = 0.27 lbs/ton (51% = PM10)  
 PM emfac loading = 0.04 lbs/ton (50% = PM10)

Air Flow Rate scfm
8280

Baghouse control eff
99.9

	Pollutant						Combined HAP
	PM	PM10	SO2	NOx	VOC	CO	
Emission Factor in lbs/ton	0.31	0.16	0.00	0.00	0.00	0.00	0.00
Potential Emission in tons/yr	86.90	44.21	0.00	0.00	0.00	0.00	0.00
Uncontrolled PTE for 2nd Lime Silo	1.62	0.84					
Fugitive Emissions from Haul Road	8.01	1.69					
Total PTE in tons/yr	96.53	46.74					
<b>Total PTE in tons/yr less fugitive emissions</b>	<b>88.52</b>	<b>45.05</b>					

**Methodology**

Emission Factors are from AP 42 Section 11.12 & SCC 3-05-011-11 (Appendix B of AP-42 states for Category 3 profiles, PM10 = 51% of PM)  
 Emission (tons/yr) = process rate x emission factor