



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

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

Barbara Hodgson
Carmeuse Lime, Inc.
3245 East 103rd Street
Chicago, Illinois 60617

January 21, 2010

Re: Approval for a Temporary Operation and an
Experimental Trial
EX No. 089-28837-00112

Ms. Hodgson:

On December 29, 2009, Carmeuse Lime, Inc., submitted a letter informing the Office of Air Quality (OAQ) of the intention to conduct a temporary operation and experimental trial related to the use of glycerin as an alternative fuel in the facility's lime kilns. The potential to emit of PM₁₀ is less than fifteen (15) tons, the potential to emit of PM_{2.5} is less than ten (10) tons per year, and the potential to emit for all other regulated pollutants is less than twenty-five (25) tons for the duration of the operation.

Experimental Operation General Information

| | |
|------------------------------------|---|
| Units: | (a) One (1) glycerin storage tank; and (b) One (1) glycerin delivery system, inclusive of one (1) or more pumps, high pressure hose, liquid fuel nozzle, and compressed gas, to transfer glycerin from storage to the kilns. |
| Location of the Operation: | 1 North Carmeuse Drive, Gary, Indiana 46406 |
| County: | Lake |
| County Status: | Nonattainment for ozone; basic nonattainment for PM _{2.5} ; attainment for all other criteria pollutants |
| Purpose of the Experimental Trial: | (1) Conduct a trial of the use of glycerin as an alternative fuel in the production of lime; and (2) Collect data regarding the operational impacts of the use glycerin. |
| Starting Date of the Operation: | Seven days from the notification date, [326 IAC 2-1.1-3(h)(3)(F)] |
| Duration of the Operation: | Less than 30 days of actual operation |
| Testing parameters: | Emissions of PM _{2.5} , PM ₁₀ , and VOC |

Applicable Requirements

Pursuant to 326 IAC 2-1.1-3(h) (Exemption for Temporary Operation and Experimental Trial), the above mentioned temporary operation and experimental trial shall satisfy the following requirements:

1. The potential emissions from the operation are less than twenty-five (25) tons per year for the duration of the operation. [326 IAC 2-1.1-3(h)(3)(A)]
2. The operation is not a major source or modification as defined under 326 IAC 2-2, 326 IAC 2-3, or 326 IAC 2-7. [326 IAC 2-1.1-3(h)(3)(B)]
3. The purpose of the operation is to:

- (a) collect data for experimental purposes, including, but not limited to, process improvements, new product development, and pollution prevention; or [326 IAC 2-1.1-3(h)(3)(C)(i)]
 - (b) temporarily conduct an operation not considered as part of the normal operation or production of the facility or source. [326 IAC 2-1.1-3(h)(3)(C)(ii)]
4. The duration of the temporary operation or experimental trial is less than thirty (30) days of total operating time. [326 IAC 2-1.1-3(h)(3)(D)]
5. The Permittee shall submit a report containing the following information, at most seven (7) days after the conclusion of the temporary operation: [326 IAC 2-1.1-3(h)(3)(G)]
- (a) The actual dates of the construction and operation.
 - (b) The duration of the operation.
 - (c) The actual emissions occurring during the operation.
6. The report shall be submitted to:

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

Expiration Date

This approval expires after thirty (30) days of actual operating time of the temporary operation and experimental trial related to the use of glycerin as an alternative fuel in the production of lime.

IDEM Contact

If you have any questions regarding this approval, please contact Stephanie Wilkerson of my staff at the Indiana Department Environmental Management, Office of Air Quality, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251 or by telephone at (317) 234-5329 or toll free at 1-800-451-6027, extension 4-5329.

Sincerely,



Chrystal A. Wagner, Section Chief
Permits Branch
Office of Air Quality

Enclosure: Temporary Operation and Experimental Trial Report

cc: File – Lake County
Lake County Health Department
IDEM Northwest Regional Office - Ramesh Tajuja

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

Temporary Operation and Experimental Trial Report

Source Name: Carmeuse Lime, Inc.
Source Location: 1 North Carmeuse Drive, Gary, Indiana 46406
County Location: Lake
Experimental Operation: 089-28837-00112

| Experimental Operation | |
|--|--|
| Type of unit/operation: | |
| Actual starting date of the construction: | |
| Actual ending date of the construction: | |
| Actual starting date of the operation: | |
| Actual ending date of the operation: | |
| Actual number of days of the operation: | |
| Calculated emissions during the duration of the operation: | |
| Additional Comments: | |

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| <p>I certify under penalty of law that this report was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete.</p> |
| Signature: |
| Printed Name: |
| Title/Position: |
| Date: |

cc: IDEM Northwest Regional Office - Ramesh Tajuja



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SENT VIA U.S. MAIL: CONFIRMED DELIVERY AND SIGNATURE REQUESTED

TO: Juan R. Nieves, Jr.
Plant Manager
Carmeuse Lime, Inc.
3245 E. 103rd Street
Chicago, IL 60617

DATE: January 21, 2010

FROM: Matt Stuckey, Branch Chief
Permits Branch
Office of Air Quality

SUBJECT: Final Decision
Temporary Operation
089-28837-00112

Enclosed is the final decision and supporting materials for the air permit application referenced above. Please note that this packet contains the original, signed, permit documents.

The final decision is being sent to you because our records indicate that you are the contact person for this application. However, if you are not the appropriate person within your company to receive this document, please forward it to the correct person.

A copy of the final decision and supporting materials has also been sent via standard mail to:
OAQ Permits Branch Interested Parties List

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178, or toll-free at 1-800-451-6027 (ext. 3-0178), and ask to speak to the permit reviewer who prepared the permit. If you think you have received this document in error, please contact Joanne Smiddie-Brush of my staff at 1-800-451-6027 (ext 3-0185), or via e-mail at jbrush@idem.IN.gov.

Final Applicant Cover letter.dot 11/30/07

Mail Code 61-53

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| IDEM Staff | CDENNY 1/21/2010 Carmeuse Lime, Inc. 089-28837-00112 (final) | | Type of Mail: CERTIFICATE OF MAILING ONLY | AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING |
| Name and address of Sender |  | Indiana Department of Environmental Management Office of Air Quality – Permits Branch 100 N. Senate Indianapolis, IN 46204 | | |

| Line | Article Number | Name, Address, Street and Post Office Address | Postage | Handing Charges | Act. Value (If Registered) | Insured Value | Due Send if COD | R.R. Fee | S.D. Fee | S.H. Fee | Rest. Del. Fee | Remarks |
|------|----------------|--|---------|-----------------|----------------------------|---------------|-----------------|----------|----------|----------|----------------|---------|
| 1 | | Barbara Hodgson Carmeuse Lime, Inc. 3245 E. 103rd Street Chicago IL 60617 (Source CAATS) | | | | | | | | | | |
| 2 | | Juan R. Nieves, Jr. Plant Manager Carmeuse Lime, Inc. 3245 E. 103rd Street Chicago IL 60617 (RO CAATS) | | | | | | | | | | |
| 3 | | Gary Mayors Office 401 Broadway # 203 Gary IN 46402 (Local Official) | | | | | | | | | | |
| 4 | | Lake County Health Department-Gary 1145 W. 5th Ave Gary IN 46402-1795 (Health Department) | | | | | | | | | | |
| 5 | | Lake County Commissioners 2293 N. Main St, Building A 3rd Floor Crown Point IN 46307 (Local Official) | | | | | | | | | | |
| 6 | | Gary City Council 401 Broadway # 209 Gary IN 46402 (Local Official) | | | | | | | | | | |
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| Total number of pieces Listed by Sender | Total number of Pieces Received at Post Office | Postmaster, Per (Name of Receiving employee) | The full declaration of value is required on all domestic and international registered mail. The maximum indemnity payable for the reconstruction of nonnegotiable documents under Express Mail document reconstructing insurance is \$50,000 per piece subject to a limit of \$50, 000 per occurrence. The maximum indemnity payable on Express mil merchandise insurance is \$500. The maximum indemnity payable is \$25,000 for registered mail, sent with optional postal insurance. See Domestic Mail Manual R900, S913, and S921 for limitations of coverage on inured and COD mail. See International Mail Manual for limitations o coverage on international mail. Special handling charges apply only to Standard Mail (A) and Standard Mail (B) parcels. |
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