



Mitchell E. Daniels, Jr.
Governor

Thomas W. Easterly
Commissioner

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

TO: Interested Parties / Applicant
DATE: September 7, 2007
RE: ESSROC Cement Corporation / 019-25019-00008
FROM: Nisha Sizemore
Chief, Permits Branch
Office of Air Quality

Notice of Decision: Approval – Effective Immediately

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

If you wish to challenge this decision, IC 4-21.5-3-7 and IC 13-15-6-1(b) or IC 13-15-6-1(a) 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.

For an **initial Title V Operating Permit**, a petition for administrative review must be submitted to the Office of Environmental Adjudication within **thirty (30)** days from the receipt of this notice provided under IC 13-15-5-3, pursuant to IC 13-15-6-1(b).

For a **Title V Operating Permit renewal**, a petition for administrative review must be submitted to the Office of Environmental Adjudication within **fifteen (15)** days from the receipt of this notice provided under IC 13-15-5-3, pursuant to IC 13-15-6-1(a).

The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

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

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

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

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

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

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

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



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

Mitchell E. Daniels, Jr.
 Governor

Thomas W. Easterly
 Commissioner

100 North Senate Avenue
 MC 61-53 IGCN 1003
 Indianapolis, Indiana 46204-2251
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Mr. David Hitt
 ESSROC Cement Corporation
 Highway 31
 Speed, Indiana 47172

September 7, 2007

Re: 019-25019-00008
 First Administrative Amendment to
 Part 70 Operating Permit No.: 019-6016-00008

Dear Mr. David Hitt:

On July 11, 2007, an application was received from ESSROC Cement Corporation located at Highway 31, Speed, Indiana 47172. The purpose of the application was to notify IDEM Office of Air Quality (OAQ) of a change of equipment description. Additionally, IDEM, OAQ is revising certain sections or portions of the permit to accommodate regulatory and/or administrative changes. The **bold faced language** is new language that has been added and the ~~strikeout~~ is language that has been removed. Pursuant to the provisions of 326 IAC 2-7-11a(1) (4) and (7), the permit is hereby administratively changed as follows:

1. OAQ will delete the "responsible official" listing from Condition A.1 of the permit in order to minimize the administrative maintenance associated with this item.

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

The Permittee owns and operates a Portland cement manufacturing plant.

Responsible Official:	Plant Manager
Source Address:	Highway 31, Speed, Indiana 47172
Mailing Address:	Highway 31, Speed, Indiana 47172-1305
General Source Phone Number:	812 246-5472
SIC Code:	3241
County Location:	Clark
Source Location Status:	Nonattainment for ozone under the 8-hour standard, Attainment for all other criteria pollutants
Source Status:	Part 70 Permit Program Major Source, under PSD Rules Major Source, Section 112 of the Clean Air Act 1 of 28 listed source categories

2. The Southwest Regional Office was incorrectly indicated in the permit as the notifying agency for emergencies. This has been changed to reflect the Indiana Department of Environmental Management, Office of Air Quality.

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

- (4) For each emergency lasting one (1) hour or more, the Permittee notified the IDEM, ~~Southwest Regional Office~~ **OAQ** within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

~~IDEM Southwest Regional Office
Telephone Number: 812-380-2305
Facsimile Number: 812-436-2572~~

**Telephone Number: 1-800-451-6027 (ask for Office of Air Quality,
Compliance Section), or
Telephone Number: 317-233-0178 (ask for Compliance Section)
Facsimile Number: 317-233-6865**

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

~~IDEM Southwest Regional Office
1120 Vincennes Avenue, P.O. Box 128
Petersburg, Indiana 47567~~

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

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

- (e) IDEM, OAQ, and the ~~IDEM Southwest Regional Office~~ may require that the Preventive Maintenance Plans required under 326 IAC 2-7-4-(c)(9) be revised in response to an emergency.
- (f) Failure to notify the IDEM, ~~Southwest Regional Office~~ **OAQ** by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-7 and any other applicable rules.

3. An equipment description change was made to reflect the replacement of the electrostatic precipitators (ESPs) with baghouses. The replacement will not result in any emission increases associated with the replacement. Changes were made to Condition A.3, D.3.5, D.3.11 and D.3.22 as indicated:

Raw Mill Facilities

- (111) One (1) Loesche raw mill, identified as EU14, constructed in 1977, with a nominal throughput of 300 tons per hour, with emissions controlled by one (1) ~~electrostatic precipitator~~ **baghouse**, identified as ~~ESP15~~ **baghouse 15**, and exhausting to stack S-15.

- (114) one (1) oil-fired furnace, referred to as the Todd Furnace, used for Loesche mill heating, identified as EU13, constructed in 1977, with a nominal heat input capacity of 55 million British thermal units per hour, with emissions controlled by one (1) ~~electrostatic precipitator~~ **baghouse**, identified as ~~ESP15~~ **baghouse 15**, and exhausting to stack S-15.

Coal handling, milling and storage facilities

- (121) one (1) fuel oil-fired air heater for kiln #2 coal mill, identified as EU69, constructed in 1977, with a nominal heat input capacity of 5.3 million British thermal units per hour, with emissions exhausting directly to the kiln #2 coal mill controlled by one (1) ~~baghouse and two (2) electrostatic precipitators (ESPs)~~, identified as ~~baghouse 252, ESP15, and ESP16 (alkali bypass system)~~, **respectively**, and exhausting to stacks ~~EP88, S-15, and S-16 respectively~~.

The kiln #1 and kiln #2 facilities

- (128) One (1) dry process rotary cement kiln #2 and associated preheater unit, equipped with an alkali bypass, identified as EU27, constructed in 1977, with a nominal heat input capacity of 302 million Btu per hour, with a nominal production rate of 105 tons per hour (as clinker), with PM emissions controlled by two (2) ~~electrostatic precipitators~~ **baghouses**, identified as ~~ESP15~~ **baghouse 15** and ~~ESP16~~ **baghouse 16** (alkali bypass system), and exhausting to stacks, identified as S-15 and S-16 respectively.

D.3.5 NESHAP Emissions Limitation [40 CFR Part 63, Subpart LLL]

- (a) Pursuant to 40 CFR 63.1343 (Emissions Standards and Operating Limits), on and after June 14, 2002, which is the compliance date for the National Emission Standards for Hazardous Air Pollutants (NESHAP) from the Portland Cement Manufacturing Industry, kiln #1 and kiln #2 shall be limited as follows:

- (4) When kiln #2 and the Loesche raw mill (EU14) are both operating, the visible emissions from the ~~ESP~~ **baghouse** controlling the Loesche raw mill and kiln #2 shall not exceed ten percent (10%) opacity. IDEM and USEPA have information that indicates that the Permittee is not in compliance with this opacity limit. The OAQ will promptly reopen this permit using the provisions of 326 IAC 2-7-9 (Permit Reopening) to include detailed requirements necessary to comply with this opacity limit and a schedule for achieving compliance with such requirement.
- (5) When the Loesche raw mill (EU14) is operating and the kiln #2 is not operating, the visible emissions from the ~~ESP~~ **baghouse** controlling the Loesche raw mill shall not exceed 10% opacity.
- (6) When the kiln #2 is operating and Loesche raw mill (EU14) is not operating, the visible emissions from the ~~ESP~~ **baghouses** controlling kiln #2 shall not exceed 20% opacity. D.3.11 Particulate Matter (PM)

Except as otherwise provided by statute, rule, or this permit, in order to comply with Conditions D.3.1, D.3.2, D.3.5, and D.3.8, the following conditions shall apply:

- (d) ~~The electrostatic precipitators ESP15 and ESP16~~ **The baghouse 15 and baghouse 16**, for PM control shall be in operation at all times and control emissions from the kiln #2 and raw mill when the kiln #2 or the raw mill is in operation.

D.3.22 Record Keeping Requirements

- (c) To document compliance with Conditions D.3.14 through D.3.20, the Permittee shall maintain records in accordance with (1) through (9) below. Records shall be complete and sufficient to establish compliance with the limits established in this section.
 - (1) Data and results from the most recent stack tests.
 - (2) All continuous emissions monitoring data.
 - ~~(3) All ESP voltage and current monitoring readings as required by Condition D.3.16.~~
 - (4) (3) The results of all baghouse ~~and ESP~~ inspections and the type and number of parts replaced.
 - ~~(5)~~ (4) Visible emission notations once per shift for all baghouses.
 - ~~(6)~~ (5) Method 9 opacity readings for the kilns and clinker coolers whenever required by this permit.
 - ~~(7)~~ (6) Once per shift records of the pressure drop of each baghouse during normal operation when venting to the atmosphere.
 - ~~(8)~~ (7) All preventive maintenance measures taken.

4. Since the electrostatic precipitators have been replaced by baghouses, Condition 3.16 no longer applies and has been removed from the permit. The remaining conditions were renumbered for clarity.

~~D.3.16 Transformer Rectifier (T-R) Sets [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]~~

- ~~(a) The ability of the ESP to control particulate emissions shall be monitored once per shift, when the unit is in operation, by measuring and recording the number of T-R sets in service and the primary and secondary voltages and the currents of the transformer-rectifier (T-R) sets.~~
 - ~~(b) Reasonable response steps shall be taken in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports whenever the percentage of T-R sets in service falls below 90 percent (90%). T-R set failure resulting in less than 90 percent (90%) availability is not a deviation from this permit. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a deviation from this permit.~~
4. The IDEM, OAQ mailing addresses now include a new mail code. The mail code for the Permits Branch and Compliance Branch is MC 61-53 IGCN 1003. The Asbestos Section is MC 61-52 IGCN 1003 and Technical Support and Modeling Section is MC 61-50 IGCN 1003. The post office box has been removed and the IDEM zip code has been updated. The addresses were updated throughout the permit.

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
MC61-53 IGCN 1003
Indianapolis, Indiana ~~46206-6015~~ **46204-2251**

5. The IDEM OAQ, Compliance Branch has had their main telephone and facsimile numbers changed. These have been updated throughout the permit.

Telephone Number: 1-800-451-6027 (ask for Office of Air Quality, Compliance Section), or
Telephone Number: 317-233-~~5674~~ **0178** (ask for Compliance Section)
Facsimile Number: 317-233-~~5967~~ **6865**

6. This change was made to correct a grammatical error.

~~C.15 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5] [326 IAC 2-7-6]~~

~~***~~

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

~~***~~

As a convenience, a revised copy of the entire permit is being provided.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Gary Freeman, at (800) 451-6027, and ask for Gary Freeman or extension 3-5334, or dial (317) 233-5334.

Sincerely/Original Signed By:

Iryn Calilung, Section Chief
Permits Branch
Office of Air Quality

Attachments: Copy of the revised permit
IC/gkf

cc: File – Clark County
Clark County Health Department
Air Compliance Section Inspector – David Harrison
Permit Review Section 4 - Gary Freeman
Billing, Licensing and Training Section
Compliance Data Section
U.S. EPA Region V
Contract Management Section – Duane VanLaningham (ESSROC File 019-21450-00008)



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**PART 70 OPERATING PERMIT
 OFFICE OF AIR QUALITY**

**ESSROC Cement Corporation
 Highway 31
 Speed, Indiana 47172**

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

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

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

Operation Permit No.: T019-6016-00008	
Issued by: Original Signed by Janet McCabe Janet G. McCabe, Assistant Commissioner Office of Air Quality	Issuance Date: June 15, 2004 Expiration Date: June 15, 2009

First Administrative Amendment No.:019-25019-00008	Pages Affected: Entire Permit
Issued by/Original Signed By: Iryn Calilung, Section Chief Permits Branch Office of Air Quality	Issuance Date: September 7, 2007 Expiration Date: June 15, 2009

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- D.4.1 Volatile Organic Compounds (VOC) [326 IAC 8-3-2]
- D.4.2 Volatile Organic Compounds (VOC) [326 IAC 8-3-5]
- D.4.3 Material Requirements for Cold Cleaning Degreasers [326 IAC 8-3-8]
- D.4.4 Determination of Nonapplicability [40 CFR 60.460 Subpart T] [40 CFR 60 Subparts A and F] [40 CFR 63 Subparts A and LLL]

D.5 FACILITY OPERATION CONDITIONS - Insignificant Activities

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

- D.5.1 Nonattainment Area Particulate Matter Limitations (PM) [326 IAC 6-1-2]

Certification

Emergency Occurrence Report

Quarterly Reports

Quarterly Deviation and Compliance Monitoring Report

SECTION A

SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the source contained in conditions A.1 through A.4 and the description boxes in Sections D is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

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

The Permittee owns and operates a Portland cement manufacturing plant.

Source Address:	Highway 31, Speed, Indiana 47172
Mailing Address:	Highway 31, Speed, Indiana 47172-1305
General Source Phone Number:	812 246-5472
SIC Code:	3241
County Location:	Clark
Source Location Status:	Nonattainment for ozone under the 8-hour standard, Attainment for all other criteria pollutants
Source Status:	Part 70 Permit Program Major Source, under PSD Rules Major Source, Section 112 of the Clean Air Act 1 of 28 listed source categories

A.2 Part 70 Source Definition [326 IAC 2-7-1(22)]

This Portland cement manufacturing company consists of two (2) plants:

- (a) ESSROC Cement Corporation, #00008 is located at Highway 31, Speed, IN 47172; and
- (b) Hanson Aggregates Midwest Inc. - Aggrock Quarries, #05017 is located at 5501 Highway 403, Sellersburg, IN 47172.

IDEM has determined that ESSROC Cement Corporation and Hanson Aggregates are not under the common control of ESSROC Cement Corporation; therefore they are considered separate sources for the purposes of Part 70 applicability.

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

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

Quarry activities

- (1) Quarry drilling, identified as EU01, constructed in 1982, with particulate matter (PM) emissions controlled by one (1) baghouse, identified as the drilling rig baghouse 01 and exhausting to stack EP01. Note: the "baghouse" controlling the quarry drilling has no exhaust to the atmosphere. Dust is collected and then re-deposited into the ground.
- (2) Quarry blasting, identified as EU75, constructed prior to 1945, with associated fugitive particulate matter (PM) emissions.
- (3) Raw material (limestone) loading to trucks, identified as EU76, constructed in 1948, with particulate matter emissions uncontrolled.

Raw material stockpile operations

- (4) Raw material (clay overburden) unloading to strippings stockpile, identified as EU78, constructed in 1948, with emissions uncontrolled.
- (5) Strippings stockpile, identified as EU145, created before 1945.
- (6) Truck unloading to additive hopper or additive storage pile (sand, iron, or Missouri clay), identified as EU99, constructed in 1948, with emissions uncontrolled.
- (7) Silica/Alumina/Iron additive storage pile, identified as EU100, created before 1945.
- (8) Additive clay blend pile, identified as EU101, created before 1945.
- (9) Truck unloading to clay storage piles, identified as EU102, constructed in 1948, with emissions uncontrolled.
- (10) Uncovered clay storage pile, identified as EU103, created before 1945.
- (11) Covered clay storage pile, identified as EU104, created before 1945.

Raw Material Sizing Operations

- (12) Raw material unloading to stone surge pile or primary crusher, identified as EU80, with emissions uncontrolled, commenced before 1956.
- (13) Stone surge pile, identified as EU81, created before 1956.
- (14) One (1) primary crusher, identified as EU82, constructed in 1956, with a nominal throughput of 700 tons per hour, with PM emissions uncontrolled.
- (15) One (1) covered conveyor belt for transferring stone from primary crusher to screens, identified as EU83, constructed in 1956, with a nominal throughput of 700 tons per hour, with emissions uncontrolled.
- (16) Screens, identified as EU84, with a nominal throughput of 700 tons per hour, constructed in 1956, with emissions uncontrolled.
- (17) One (1) secondary crusher, identified as EU02, constructed in 1956, with a nominal throughput of 1050 tons per hour, with PM emissions controlled by one (1) baghouse, identified as baghouse 200, and exhausting to one (1) stack, identified as EP02.
- (18) Covered conveyor for transferring stone from screens and secondary crusher to tertiary crusher or stone ladder bypass, identified as EU03, constructed in 1956, with a nominal throughput of 1050 tons per hour, with PM emissions controlled by one (1) baghouse, identified as baghouse 201, and exhausting to one (1) stack, identified as EP03.

- (19) Two (2) tertiary crushers, identified as EU04 and EU04a, both constructed in 1956, each with a nominal throughput of 350 tons per hour, with PM emissions from both crushers controlled by one (1) baghouse, identified as baghouse 201, and exhausting to one (1) stack, identified as EP03.
- (20) One (1) conveyor used to bypass tertiary crusher, referred to as the stone ladder bypass, identified as EU05, constructed in 1956, with emissions controlled by a baghouse, identified as baghouse 201, and exhausting to one (1) stack, identified as EP03.
- (21) One (1) covered conveyor for transferring material from stone ladder and tertiary crusher to traveling belt, identified as EU85, constructed in 1956, with a nominal throughput of 700 tons per hour, with emissions uncontrolled, with emissions uncontrolled.
- (22) One (1) traveling belt for transferring material from covered conveyor to North and South stone bins, identified as EU86, constructed in 1956, with a nominal throughput of 700 tons per hour, with emissions uncontrolled.
- (23) North stone bin, identified as EU06, constructed in 1956, with emissions controlled by a baghouse, identified as baghouse 101, and exhausting to one (1) stack, identified as EP04.
- (24) South stone bin, identified as EU07, constructed in 1956, with emissions controlled by one (1) baghouse, identified as baghouse 102, and exhausting to one (1) stack, identified as EP05.
- (25) Stone conveyor transfer to truck, identified as EU87, constructed in 1956, with a nominal throughput of 700 tons per hour, with emissions uncontrolled.
- (26) One (1) truck unloading station to crushed limestone storage pile, identified as EU89, constructed in 1956, with emissions uncontrolled.
- (27) One (1) truck loading station from crushed limestone storage pile, identified as EU91, constructed in 1956, with emissions uncontrolled.
- (28) One (1) truck unloading station to truck dump hopper, identified as EU93, constructed in 1956, with emissions uncontrolled.
- (29) One (1) truck unloading station to emergency limestone storage pile or truck dump hopper, identified as EU94, constructed in 1956, with emissions uncontrolled.
- (30) Crushed limestone storage piles, identified as EU90, created before 1957.
- (31) Emergency limestone storage pile, identified as EU95, created during 1957.
- (32) One (1) truck dump hopper, identified as EU96, constructed in 1977, with emission uncontrolled.
- (33) One (1) limestone conveyor for transferring limestone from the truck dump hopper to the main limestone storage pile, identified as EU97, constructed in 1977, with a nominal throughput of 700 tons per hour, with emissions uncontrolled.

- (34) Main limestone storage pile, identified as EU98, created during 1957.

Kiln #1 Cement Kiln Dust (CKD) Operations

- (35) One (1) dust tank system, identified as EU21, constructed in 1971 with a nominal throughput of 100 tons per hour, with emissions controlled by a baghouse, identified as baghouse 210, and exhausting to stack EP17.
- (36) Truck loading from the dust tank system, identified as EU113, with emissions uncontrolled, commenced during July 1971.
- (37) CKD storage pile, identified as EU118, created before 1945.
- (38) CKD sales loadout spout (kiln #1 dust tank), identified as EU155, constructed in 1996, with emissions controlled by a baghouse, with a nominal air flow rate of 2400 actual cubic feet per minute, identified as baghouse 266 (CE98) and exhausting to stack EP98.

Kiln #2 Cement Kiln Dust (CKD) Operations

- (39) Truck loading from the elevator dust tank, identified as EU115, with emissions uncontrolled, commenced during 1977.
- (40) Truck unloading to CKD storage pile, identified as EU117, with emissions uncontrolled, commenced during 1977.

Miscellaneous Facilities

- (41) Plant Roads, identified as EU152.
- (42) Vacuum system, identified as EU73, constructed in 1985, with emissions controlled by a baghouse with a nominal air flow rate of 400 actual cubic feet per minute, identified as baghouse 250, and exhausting to stack EP75.
- (43) One (1) warehouse conveyor system for conveying bagged cement, identified as EU74, constructed in 1985, with emissions controlled by a baghouse with a nominal air flow rate of 1650 actual cubic feet per minute, identified as baghouse 249, and exhausting to stack EP76.

Clay Processing Operations

- (44) Clay hopper, identified as EU105, constructed prior to 1945.
- (45) One (1) covered conveyor system for transferring material from storage piles and clay hopper to the clay crusher, identified as EU106, constructed before 1954, with a nominal throughput of 300 tons per hour, with emissions uncontrolled.
- (46) One (1) clay crusher, identified as EU08, constructed in 1977, with a nominal throughput of 40 tons per hour, with emissions controlled by a baghouse, identified as baghouse 227, and exhausting to stack EP07.

Finish Operations Crane Storage Facilities

- (47) Emergency BP stone storage pile, identified as EU128, created before 1945.
- (48) One (1) truck unloading station to Emergency BP stone storage pile or Crane storage pile, identified as EU127, with emissions uncontrolled, commenced before 1945.
- (49) One (1) truck unloading station to gypsum storage piles, identified as EU129, with emissions uncontrolled, commenced before 1945.
- (50) Crane storage building, including gypsum storage bin, stone storage bin, two (2) clinker storage bins, and stone, clinker, and gypsum storage piles, identified as EU131, constructed in 1935.
- (51) Gypsum storage piles, identified as EU130 and EU134, created before 1945.

Fossil Fuel Storage and Handling Facilities

- (52) One (1) truck unloading station to the reserve coal storage pile, identified as EU136, constructed in June 1971, with emissions uncontrolled.
- (53) One (1) reserve coal storage pile, identified as EU137, created in May 1971.
- (54) One (1) coal storage pile, identified as EU142, constructed prior to 1945.
- (55) One (1) coal draw-up covered conveying system for transferring material from the coal/alternate energy storage pile to the coal transfer tower, identified as EU63, constructed in June 1972, with a nominal throughput of 200 tons per hour, with emissions controlled by one (1) baghouse, identified as baghouse 206, and exhausting to stack EP77.
- (56) Coal transfer tower, identified as EU64, constructed in June 1972, with a nominal throughput of 200 tons per hour, with emissions controlled by one (1) baghouse, identified as baghouse 207, and exhausting to stack EP78.
- (57) One (1) coal bin, identified as EU65, constructed in June 1972, with emissions controlled by one (1) baghouse, identified as baghouse 208, and exhausting to stack EP79.

Kiln #1 Clinker Handling Facilities

- (58) One (1) #1 clinker drag conveyor for transferring clinker from clinker cooler #1 to the apron conveyor, identified as EU23, constructed in May 1971, with a nominal throughput of 100 tons per hour, with emissions controlled by a baghouse, identified as baghouse 217, and exhausting to one (1) stack identified as EP19.
- (59) Apron conveyor for transferring clinker from the #1 clinker drag conveyor to either the clinker can #1 or the long belt, identified as EU24, constructed in May 1971, with a nominal throughput of 100 tons per hour, with emissions controlled by two baghouses, identified as baghouse 218, exhausting to one (1) stack identified as EP20 and baghouse 31382, exhausting to one (1) stack identified as EPN1.

- (60) Clinker can #1, which is a vertical bin with a lid used for storing off-spec clinker, identified as EU114, constructed in May 1971, with emissions controlled by two baghouses, identified as baghouse 218, exhausting to one (1) stack identified as EP20 and baghouse 31382, exhausting to one (1) stack identified as EPN1.

Kiln #2 Clinker Handling Facilities

- (61) One (1) #2 clinker drag conveyor for transferring clinker from clinker cooler #2 to the Aumond conveyor, identified as EU30, constructed in 1977, with a nominal throughput of 150 tons per hour, with emissions controlled by a baghouse, identified as baghouse 233, and exhausting to one (1) stack identified as EP25.
- (62) One (1) Aumond conveyor used for transferring clinker from the #2 clinker drag conveyor to the clinker can #2 or the cross belt, identified as EU31, constructed in 1977, with a nominal throughput of 150 tons per hour, with emissions controlled by two baghouses, identified as baghouse 234, exhausting to one (1) stack identified as EP26 and baghouse 31382, exhausting to one (1) stack identified as EPN1.
- (63) One (1) cross belt for transferring clinker from the Aumond conveyor to the long belt, identified as EU119, constructed in May 1971, with a nominal throughput of 150 tons per hour, with emissions controlled by a baghouse, identified as baghouse 235, and exhausting to one (1) stack identified as EP21.
- (64) Clinker can #2, which is a vertical bin with a lid used for storing off-spec clinker, identified as EU120, constructed in 1977, with emissions controlled by two baghouses, identified as baghouse 234, exhausting to one (1) stack identified as EP26 and baghouse 31382, exhausting to one (1) stack identified as EPN1.

Clinker Handling to Crane Storage Facilities

- (65) One (1) long belt for transferring clinker from the apron conveyor and the cross belt to the North clinker transfer tower, identified as EU25, constructed in May 1971, with a nominal throughput of 200 tons per hour, with emissions controlled by a baghouse, identified as baghouse 219, and exhausting to one (1) stack identified as EP27.
- (66) One (1) North clinker transfer tower for transferring clinker from the long belt to the covered incline belt (shuttle belt), identified as EU32, constructed in 1972, with a nominal throughput of 200 tons per hour, with emissions controlled by a baghouse, identified as baghouse 219, and exhausting to one (1) stack identified as EP27.
- (67) One (1) covered incline belt (Shuttle belt) used for transferring clinker from the North clinker transfer tower to the North clinker storage building, identified as EU33, constructed in 1972, with a nominal throughput of 200 tons per hour, with emissions controlled by a baghouse, identified as baghouse 220, and exhausting to one (1) stack identified as EP28.
- (68) One (1) clinker storage pile, identified as EU121, created before 1960.
- (69) North clinker storage pile, identified as EU122, created in May 1971.

- (70) North clinker storage building, identified as EU123, constructed in 1960.
- (71) One (1) North reclaim clinker covered conveyor system used to transfer clinker from the North clinker storage building to either, 1) the South reclaim clinker covered conveyor system (EU124) or, 2) the 2D finish mill clinker bin transfer (EU44) transfer tower (covered conveyor), identified as EU34, constructed in 1962, with a nominal throughput of 200 tons per hour, with emissions controlled by a baghouse, identified as baghouse 245, and exhausting to one (1) stack identified as EP29.
- (72) One (1) South reclaim clinker covered conveyor used to transfer clinker from the North reclaim clinker covered conveyor system to the crane storage building, identified as EU124, constructed in May 1971, with a nominal throughput of 200 tons per hour, with emissions controlled by two baghouses, identified as baghouse 202, exhausting to one (1) stack identified as EP39 and baghouse 31499, exhausting to one (1) stack identified as EPN2.
- (73) Truck loading station, used for loading material from the North clinker storage pile, identified as EU125, constructed in May 1971, with emissions uncontrolled.
- (74) Truck unloading station, used for loading material to the crane storage building, identified as EU126, constructed in May 1971, with emissions uncontrolled.

2ABC Finish Mill Facilities

- (75) One (1) CKD/Lime tank, identified as EU146, constructed in 1964, with emissions controlled by a baghouse, identified as baghouse 143, and exhausting to one (1) stack identified as EP84.
- (76) One (1) gypsum/stone transfer circuit ABC mills, including material transfers and scales, identified as EU35, constructed in 1964, with a nominal throughput of 300 tons per hour, with emissions controlled by two (2) baghouses, identified as baghouses 131 and 132, and exhausting to two (2) stacks identified as EP30 and EP31.
- (77) One (1) clinker transfer circuit ABC mills, including conveyor transfers and clinker scales, identified as EU36, constructed in 1964, with a nominal throughput of 200 tons per hour, with emissions controlled by two baghouses, identified as baghouse 31495, exhausting to one (1) stack identified as EPN3, and baghouse 31496, exhausting to one (1) stack, identified as EPN4.
- (78) Two (2) clinker elevators, identified as EU37, constructed in 1969, with a nominal throughput of 200 tons per hour, with emissions controlled by a baghouse, identified as baghouse 134, and exhausting to one (1) stack identified as EP34.
- (79) One (1) 2BC finish mill feed belt, identified as EU132, constructed in 1977, with a nominal throughput of 200 tons per hour, with emissions uncontrolled.
- (80) One (1) 2A hopper / preliminary ball mill used to grind clinker and gypsum, identified as EU38, constructed in 1948, with a nominal throughput of 24 tons per hour, with emissions controlled by a baghouse, identified as baghouse 133, and exhausting to one (1) stack identified as EP33.

- (81) One (1) finish mill circuit 2A, which includes three (3) elevators, finish mill, separator, and air transport system, collectively identified as EU39, constructed in 1948, with a nominal throughput of 24 tons per hour, with emissions controlled by a baghouse, identified as baghouse 134, and exhausting to one (1) stack identified as EP34.
- (82) One (1) finish mill circuit 2B, which includes the feed hopper, feed belt, finish mill, elevator, and air transport system, collectively identified as EU40, constructed in 1953, with a nominal throughput of 25 tons per hour, with emissions controlled by a baghouse, identified as baghouse 135, and exhausting to one (1) stack identified as EP35.
- (83) One (1) finish mill circuit 2C, which includes the feed hopper, feed belt, finish mill, and elevator, collectively identified as EU42, constructed in 1960, with a nominal throughput of 36 tons per hour, with emissions controlled by a baghouse, identified as baghouse 137, and exhausting to one (1) stack identified as EP37.
- (84) One (1) separator and cement cooler, used in conjunction with the finish mill circuit 2C, identified as EU43, constructed in 1960 and 1964 respectively, with a nominal throughput of 36 tons per hour, with emissions controlled by a baghouse, identified as baghouse 137, and exhausting to one (1) stack identified as EP37.
- (85) One (1) separator and cement cooler, used in conjunction with the finish mill circuit 2B, identified as EU41, constructed in 1953 and 1955 respectively, with a nominal throughput of 25 tons per hour, with emissions controlled by a baghouse, identified as baghouse 135, and exhausting to one (1) stack identified as EP35.
- (86) One (1) BP tank for storing finished product (cement), identified as EU48, constructed in 1965, with a nominal throughput of 700 tons per hour, with emissions controlled by a baghouse, identified as baghouse 144, and exhausting to one (1) stack identified as EP81.
- (87) One (1) pump used to transfer finished product (cement) from the BP tank to silos, identified as EU49, constructed in 1966, with a nominal throughput of 50 tons per hour, with emissions controlled by a baghouse, identified as baghouse 146, and exhausting to one (1) stack identified as EP82.

2D Finish Mill Facilities

- (88) One (1) gypsum elevator used to transfer material from the gypsum storage piles to the clinker draw-up system D mill, identified as EU135, constructed in 1964, with a nominal throughput of 45 tons per hour, with emissions controlled by a baghouse, identified as baghouse 120, and exhausting to one (1) stack identified as EP40.
- (89) One (1) 2D finish mill clinker bin, which includes the elevator, conveyor belts, and air transport system, identified as EU44, constructed in 1964, with a nominal throughput of 300 tons per hour, with emissions controlled by one (1) baghouses, identified as baghouses 120, and exhausting to stack identified as EP40.

- (90) One (1) 2D finish mill clinker / gypsum feed circuit which includes scales and feed belts, identified as EU45, constructed in 1964, with a nominal throughput of 140 tons per hour, with emissions controlled by three (3) baghouses, identified as baghouse 262, exhausting to one (1) stack identified as EP94, baghouse 31497 exhausting to one (1) stack identified as EPN5, and baghouse 31498 exhausting to one (1) stack identified as EPN6.
- (91) One (1) 2D finish mill roll press circuit, which includes a roller press (crusher), identified as EU46, constructed in 1999, with a nominal throughput of 140 tons per hour, with emissions controlled by three (3) baghouses, identified as baghouses 261, 262, and 263, and exhausting to three (3) stacks identified as EP93, EP94, and EP95.
- (92) One (1) 2D finish mill circuit, which includes conveyor transfer, elevator, finish mill, elevator, classifier, and three (3) cement coolers, identified as EU47, constructed in 1964, with a nominal throughput of 140 tons per hour, with emissions controlled by a baghouse, identified as baghouse 139, and exhausting to one (1) stack identified as EP41.

Finish Product 501-Silos Storage and Packing Facilities

- (93) 501-Silos 30-44, identified as EU54, constructed in 1965, with emissions controlled by five (5) baghouses, identified as baghouses 224, 225, 246, 150, and 151, and exhausting to five (5) stacks identified as EP63 through EP67.
- (94) One (1) BIC mixer for mixing lime and pigment with the clinker, identified as EU55, constructed in 1973, with a nominal throughput of 45 tons per hour, with emissions controlled by a baghouse, identified as baghouse 226, and exhausting to one (1) stack identified as EP68.
- (95) One (1) BIC packer for loading cement into bags, identified as EU56, constructed in 1973, with a nominal throughput of 45 tons per hour, with emissions controlled by a baghouse, identified as baghouse 226, and exhausting to one (1) stack identified as EP68.

Finish Product 506-Silos Storage, Packing, and Bulk Loading Facilities

- (96) 506-Silos 56-73, identified as EU53, constructed in 1958, with emissions controlled by fourteen (14) baghouses, identified as baghouses 159 through 172, and exhausting to fourteen (14) stacks identified as EP49 through EP62.
- (97) Two (2) bulk loading stations for railroad cars and trucks, identified as EU57 and EU58, constructed in 1954, each with a nominal throughput of 200 tons per hour, with emissions controlled by baghouses 176 and 177 respectively, and exhausting to stacks EP69 and EP70 respectively.
- (98) One (1) packer #1 for loading cement into bags, identified as EU59, constructed in 1960, with a nominal throughput of 45 tons per hour, with emissions controlled by a baghouse, identified as baghouse 173, and exhausting to one (1) stack identified as EP71.

- (99) One (1) packer #2 for loading cement into bags, identified as EU60, constructed in 1960, with a nominal throughput of 45 tons per hour, with emissions controlled by a baghouse, identified as baghouse 174, and exhausting to one (1) stack identified as EP72.
- (100) One (1) packer #3 for loading cement into bags, identified as EU61, constructed in 1960, with a nominal throughput of 45 tons per hour, with emissions controlled by a baghouse, identified as baghouse 175, and exhausting to one (1) stack identified as EP73.
- (101) One (1) bag compression station, identified as EU62, constructed in 1960, with a nominal throughput of 45 tons per hour, with emissions controlled by a baghouse, identified as baghouse 242, and exhausting to one (1) stack identified as EP74.

Finish Product 504-Silos Storage and Bulk Loading Facilities

- (102) 504-Silos 45-48, and 50-55, identified as EU51, constructed in 1959, with emissions controlled by four (4) baghouses, identified as baghouses 153 through 156, and exhausting to four (4) stacks identified as EP44 through EP47.
- (103) One (1) bulk loading station for trucks and railroad cars, identified as EU52, constructed in 1959, with a nominal throughput of 200 tons per hour, with emissions controlled by baghouse 152, and exhausting to stack EP48.
- (104) 504 Silos Bank/Silo 49 (CKD sales), identified as EU153, constructed in 1959, with emissions controlled by a baghouse, identified as baghouse 264 and exhausting to stack EP96.
- (105) CKD sales loadout spout, identified as EU154, constructed in 1999, with emissions controlled by a baghouse, identified as baghouse 265 and exhausting to stack EP97.

Finish Product 502-Silos Storage and Bulk Loading Facilities

- (106) 502-Silos 1, 2, and 7-11, identified as EU50, constructed in 1966, with emissions controlled by two (2) baghouses, identified as baghouses 148 and 149 respectively, and exhausting to two (2) stacks identified as EP42 and EP43.

Raw Mill Facilities

- (107) Two (2) pneumatic truck unloading stations to additive bins, identified as EU107 and EU108, constructed in July 1976, with emissions controlled by one (1) baghouse, identified as baghouse 228, and exhausting to stack EP09.
- (108) One (1) clay hopper, identified as EU109, constructed in July 1976, with emissions uncontrolled.
- (109) Three (3) additive bins for flyash, bottom ash, or iron, identified as EU10, EU11, and EU12 respectively, equipped with two (2) elevators, constructed in 1977, with emissions controlled by one (1) baghouse, identified as baghouse 228 and exhausting to stack EP09. One of the elevators was replaced in 1994.

- (110) One (1) C-15 covered conveyor system for transferring material from the clay breaker, additive bin 2, and the main limestone storage pile to the triple gate, identified as EU09, constructed in 1977, with a nominal throughput of 300 tons per hour, with emissions controlled by two (2) baghouses, identified as baghouses 227 and 229, and exhausting to stacks EP07 and EP08 respectively.
- (111) One (1) Loesche raw mill, identified as EU14, constructed in 1977, with a nominal throughput of 300 tons per hour, with emissions controlled by one (1) baghouse, identified as baghouse 15, and exhausting to stack S-15.
- (112) One (1) sidewinder (pneumatic transfer pump) used for pumping the kiln feed from silos to triple gate, identified as EU15, constructed in 1977, with a nominal throughput of 300 tons per hour, with emissions controlled by one (1) baghouse, identified as baghouse 247 and exhausting to stack EP-11.
- (113) One (1) raw material pile, identified as EU112.
- (114) One (1) oil-fired furnace, referred to as the Todd Furnace, used for Loesche mill heating, identified as EU13, constructed in 1977, with a nominal heat input capacity of 55 million British thermal units per hour, with emissions controlled by one (1) baghouse, identified as baghouse 15, and exhausting to stack S-15.
- (115) Blend silo #1 for blending kiln feed, identified as EU16, constructed in May 1971, with emissions controlled by one (1) baghouse, identified as baghouse 211, and exhausting to stack EP12
- (116) Blend silo #2 for blending kiln feed, identified as EU17, constructed in 1977, with emissions controlled by one (1) baghouse, identified as baghouse 230, and exhausting to stack EP13
- (117) One (1) calibration system, identified as EU18, constructed in May 1971, with emissions controlled by one (1) baghouse, identified as baghouse 212, and exhausting to stack EP14.

Coal handling, milling and storage facilities

- (118) Coal (crusher) mill #1, identified as EU66 servicing kiln #1, constructed in May 1971, with a nominal throughput of 12.5 tons per hour, with emissions routed to kiln #1 and controlled by baghouse 221 and exhausting to one (1) stack, identified as (EP16) S-14. Note: For the purposes of NSPS Subpart Y applicability, this is also a thermal dryer.
- (119) Coal (crusher) mill #2, identified as EU67 servicing kiln #2, constructed in 1977, with a nominal throughput of 14 tons per hour, with emissions controlled by one (1) baghouse, identified as baghouse 252, and exhausting to stack EP88. Note: For the purposes of NSPS Subpart Y applicability, this is also a thermal dryer.
- (120) One (1) fuel oil-fired air heater for kiln #1 coal mill, identified as EU68, constructed in May 1971, with a nominal heat input capacity of 5.3 million British thermal units per hour, with emissions exhausting directly to the kiln #1 coal mill then routed to kiln #1 and controlled by one (1) baghouse, identified as baghouse 221 and exhausting to stack S-14.

- (121) One (1) fuel oil-fired air heater for kiln #2 coal mill, identified as EU69, constructed in 1977, with a nominal heat input capacity of 5.3 million British thermal units per hour, with emissions exhausting directly to the kiln #2 coal mill controlled by one (1) baghouse, identified as baghouse 252 and exhausting to stack EP88.
- (122) Kiln #2 coal dust silo, identified as EU149, constructed in 1996, with emissions controlled by one baghouse with a nominal air flow rate of 200 actual cubic feet per minute, identified as baghouse 253 and exhausting to one (1) stack identified as EP101.
- (123) Kiln #2 coal weigh system, identified as EU150, constructed in 1996, with a nominal throughput of 20 tons per hour, with emissions controlled by one filter, identified as filter 254 and exhausting to a vent.
- (124) Kiln #2 coal handling system, identified as EU151, constructed in 1996, with a nominal throughput of 20 tons per hour, with emissions controlled by one filter, identified as filter 255 and exhausting to a vent.

The kiln #1 and kiln #2 facilities

- (125) One (1) feed system for kiln #1, identified as EU19, constructed in May 1971, with a nominal throughput of 105 tons per hour, with PM emissions from the alleviator controlled by one (1) baghouse, identified as baghouse 209 and exhausting to stack EP15 and with PM emissions from the scales and pump controlled by one (1) baghouse, identified as baghouse 212 and exhausting to stack EP12.
- (126) One (1) long dry process rotary cement kiln #1, identified as EU20, constructed in May 1971, with a nominal heat input capacity of 184 million Btu per hour, with a nominal production rate of 60 tons per hour (as clinker), with PM emissions controlled by one (1) baghouse, identified as baghouse 221, and exhausting to one (1) stack, identified as S-14.
- (127) One (1) feed system for kiln #2, identified as EU26, constructed in 1977, with a nominal throughput of 175 tons per hour, with PM emissions controlled by one (1) baghouse, identified as baghouse 231, and exhausting to stack EP80.
- (128) One (1) dry process rotary cement kiln #2 and associated preheater unit, equipped with an alkali bypass, identified as EU27, constructed in 1977, with a nominal heat input capacity of 302 million Btu per hour, with a nominal production rate of 105 tons per hour (as clinker), with PM emissions controlled by two (2) baghouses, identified as baghouse 15 and baghouse 16 (alkali bypass system) and exhausting to stacks, identified as S-15 and S-16, respectively.
- (129) One (1) Elevator/dust tank (alkali bypass) for kiln #2, identified as EU28, constructed in 1977, with emissions controlled by a baghouse, identified as baghouse 232, and exhausting to stack EP23.

The clinker cooler #1 facilities

- (130) One (1) grate clinker cooler #1, identified as EU22, constructed in May 1971, with a nominal throughput rate of 60 tons per hour, with PM emissions controlled by one (1) baghouse, identified as baghouse 222, and exhausting to one (1) stack, identified as S-13.

The clinker cooler #2 facilities

- (131) One (1) grate clinker cooler #2, identified as EU29, constructed in 1977, with a nominal throughput of 105 tons per hour, with PM emissions controlled by one (1) baghouse, identified as baghouse 17, and exhausting to one (1) stack, identified as S-17.

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

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

- (1) degreasing operations; [326 IAC 8-3-2] [326 IAC 8-3-5] [326 IAC 8-3-8]
- (2) underground conveyors; [326 IAC 6-1-2]
- (3) coal bunker and coal scale exhausts and associated dust collector vents [326 IAC 6-1-2]

This stationary source also includes other insignificant activities as defined at 326 IAC 2-7-1(21) identified in the Technical Support Document for this permit that are not specifically regulated hereunder.

A.5 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:

- (1) It is a major source, as defined in 326 IAC 2-7-1(22); and
- (2) It is a source in a source category designated by the United States Environmental Protection Agency (U.S. EPA) under 40 CFR 70.3 (Part 70 - Applicability).

SECTION B

GENERAL CONDITIONS

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

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

B.2 Permit Term [326 IAC 2-7-5(2)] [326 IAC 2-1.1-9.5]

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

B.3 Enforceability [326 IAC 2-7-7]

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

B.4 Termination of Right to Operate [326 IAC 2-7-10] [326 IAC 2-7-4(a)]

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

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

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

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

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

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

- (a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ, may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The submittal by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34). Upon request, the Permittee shall also furnish to IDEM, OAQ, copies of records required to be kept by this permit.
- (b) For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1. When furnishing copies of requested records directly to U. S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.

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

- (a) Where specifically designated by this permit or required by an applicable requirement, any application form, report, or compliance certification submitted shall contain certification by a responsible official of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- (b) One (1) certification shall be included, using the attached Certification Form, with each submittal requiring certification.

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

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

- (a) The Permittee shall annually submit a compliance certification report which addresses the status of the source's compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. The initial certification shall cover the time period from the date of final permit issuance through December 31 of the same year. All subsequent certifications shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted in letter form no later than April 15 of each year to:

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

and

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

- (b) The annual compliance certification report required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.
- (c) The annual compliance certification report shall include the following:
- (1) The identification of each term or condition of this permit that is the basis of the certification;
 - (2) The compliance status;
 - (3) Whether compliance was continuous or intermittent;
 - (4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-7-5(3); and
 - (5) Such other facts, as specified in Sections D of this permit, as IDEM, OAQ may require to determine the compliance status of the source.

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

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

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

- (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
- (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
- (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

If, due to circumstances beyond the Permittee's control, the PMPs cannot be prepared and maintained within the above time frame, the Permittee may extend the date an additional ninety (90) days provided the Permittee notifies:

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

The PMP extension notification does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (b) The Permittee shall implement the PMPs, including any required record keeping, as necessary to ensure that failure to implement a PMP does not cause or contribute to an exceedance of any limitation on emissions or potential to emit.
- (c) A copy of the PMPs shall be submitted to IDEM, OAQ, upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions or potential to emit. The PMP does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (d) To the extent the Permittee is required by 40 CFR Part 63 to have an Operations and Maintenance (O&M) Plan for a unit, such plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

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

- (a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation, except as otherwise provided in 326 IAC 2-7-16.
- (b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:
 - (1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;
 - (2) The permitted facility was at the time being properly operated;

- (3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;
- (4) For each emergency lasting one (1) hour or more, the Permittee notified the IDEM, OAQ within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone Number: 1-800-451-6027 (ask for Office of Air Quality, Compliance Section), or
Telephone Number: 317-233-0178 (ask for Compliance Section)
Facsimile Number: 317-233-6865

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

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

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

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

- (A) A description of the emergency;
- (B) Any steps taken to mitigate the emissions; and
- (C) Corrective actions taken.

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

- (6) The Permittee immediately took all reasonable steps to correct the emergency.
- (c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.
 - (d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.
 - (e) IDEM, OAQ, may require that the Preventive Maintenance Plans required under 326 IAC 2-7-4-(c)(9) be revised in response to an emergency.
 - (f) Failure to notify the IDEM, OAQ by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-7 and any other applicable rules.

- (g) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.
- (h) The Permittee shall include all emergencies in the Quarterly Deviation and Compliance Monitoring Report.

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

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

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

- (b) In addition to the nonapplicability determinations set forth in Sections D of this permit, the IDEM, OAQ has made the following determinations regarding this source:
 - (1) Construction Permit CP019-3340-00008, issued on September 5, 1997, which allowed the source to burn waste tires as a fuel in their kilns, has been voluntarily withdrawn by the source. The source is no longer permitted to burn waste tires.
 - (2) All previous permits issued to this source listed 326 IAC 6-3-2 (Process Operations) or 326 IAC 6-2 (Particulate Limitations for Sources of Indirect Heating) as being applicable requirements. None of these conditions are applicable because IDEM, OAQ has determined that 326 IAC 6-1 is applicable to all particulate emitting facilities at this source.
- (c) If, after issuance of this permit, it is determined that the permit is in nonconformance with an applicable requirement that applied to the source on the date of permit issuance, IDEM, OAQ, shall immediately take steps to reopen and revise this permit and issue a compliance order to the Permittee to ensure expeditious compliance with the applicable requirement until the permit is reissued. The permit shield shall continue in effect so long as the Permittee is in compliance with the compliance order.
- (d) No permit shield shall apply to any permit term or condition that is determined after issuance of this permit to have been based on erroneous information supplied in the permit application. Erroneous information means information that the Permittee knew to be false, or in the exercise of reasonable care should have been known to be false, at the time the information was submitted.

- (e) Nothing in 326 IAC 2-7-15 or in this permit shall alter or affect the following:
 - (1) The provisions of Section 303 of the Clean Air Act (emergency orders), including the authority of the U.S. EPA under Section 303 of the Clean Air Act;
 - (2) The liability of the Permittee for any violation of applicable requirements prior to or at the time of this permit's issuance;
 - (3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act; and
 - (4) The ability of U.S. EPA to obtain information from the Permittee under Section 114 of the Clean Air Act.
- (f) This permit shield is not applicable to any change made under 326 IAC 2-7-20(b)(2) (Sections 502(b)(10) of the Clean Air Act changes) and 326 IAC 2-7-20(c)(2) (trading based on State Implementation Plan (SIP) provisions).
- (g) This permit shield is not applicable to modifications eligible for group processing until after IDEM, OAQ, has issued the modifications. [326 IAC 2-7-12(c)(7)]
- (h) This permit shield is not applicable to minor Part 70 permit modifications until after IDEM, OAQ, has issued the modification. [326 IAC 2-7-12(b)(8)]

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

- (a) All terms and conditions of previous permits issued pursuant to permitting programs approved into the state implementation plan have been either
 - (1) incorporated as originally stated,
 - (2) revised, or
 - (3) deletedby this permit.
- (b) All previous registrations and permits are superseded by this permit.

B.14 Deviations from Permit Requirements and Conditions [326 IAC 2-7-5(3)(C)]

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

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

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

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

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

B.15 Permit Modification, Reopening, Revocation and Reissuance, or Termination
[326 IAC 2-7-5(6)(C)] [326 IAC 2-7-8(a)] [326 IAC 2-7-9]

- (a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Part 70 permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-7-5(6)(C)] The notification by the Permittee does require the certification by the “responsible official” as defined by 326 IAC 2-7-1(34).
- (b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ, determines any of the following:
 - (1) That this permit contains a material mistake.
 - (2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.
 - (3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-7-9(a)(3)]
- (c) Proceedings by IDEM, OAQ, to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-7-9(b)]
- (d) The reopening and revision of this permit, under 326 IAC 2-7-9(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ, at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ, may provide a shorter time period in the case of an emergency. [326 IAC 2-7-9(c)]

B.16 Permit Renewal [326 IAC 2-7-4]

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

Request for renewal shall be submitted to:

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

- (b) Timely Submittal of Permit Renewal [326 IAC 2-7-4(a)(1)(D)]
 - (1) A timely renewal application is one that is:
 - (A) Submitted at least nine (9) months prior to the date of the expiration of this permit; and
 - (B) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.
 - (2) If IDEM, OAQ, upon receiving a timely and complete permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, including any permit shield provided in 326 IAC 2-7-15, until the renewal permit has been issued or denied.
- (c) Right to Operate After Application for Renewal [326 IAC 2-7-3]

If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-7 until IDEM, OAQ takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified in writing by IDEM, OAQ, any additional information identified as being needed to process the application.
- (d) United States Environmental Protection Agency Authority [326 IAC 2-7-8(e)]

If IDEM, OAQ, fails to act in a timely way on a Part 70 permit renewal, the U.S. EPA may invoke its authority under Section 505(e) of the Clean Air Act to terminate or revoke and reissue a Part 70 permit.

B.17 Permit Amendment or Modification [326 IAC 2-7-11] [326 IAC 2-7-12]

- (a) Permit amendments and modifications are governed by the requirements of 326 IAC 2-7-11 or 326 IAC 2-7-12 whenever the Permittee seeks to amend or modify this permit.
- (b) Any application requesting an amendment or modification of this permit shall be submitted to:

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

Any such application shall be certified by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11(c)(3)]
- (d) No permit amendment or modification is required for the addition, operation or removal of a nonroad engine, as defined in 40 CFR 89.2.

**B.18 Permit Revision Under Economic Incentives and Other Programs [326 IAC 2-7-5(8)]
[326 IAC 2-7-12 (b)(2)]**

- (a) No Part 70 permit revision shall be required under any approved economic incentives, marketable Part 70 permits, emissions trading, and other similar programs or processes for changes that are provided for in a Part 70 permit.
- (b) Notwithstanding 326 IAC 2-7-12(b)(1)(D)(i) and 326 IAC 2-7-12(c)(1), minor Part 70 permit modification procedures may be used for Part 70 modifications involving the use of economic incentives, marketable Part 70 permits, emissions trading, and other similar approaches to the extent that such minor Part 70 permit modification procedures are explicitly provided for in the applicable State Implementation Plan (SIP) or in applicable requirements promulgated or approved by the U.S. EPA.

B.19 Operational Flexibility [326 IAC 2-7-20] [326 IAC 2-7-10.5]

- (a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-7-20(b), (c), or (e), without a prior permit revision, if each of the following conditions is met:
 - (1) The changes are not modifications under any provision of Title I of the Clean Air Act;
 - (2) Any preconstruction approval required by 326 IAC 2-7-10.5 has been obtained;
 - (3) The changes do not result in emissions which exceed the emissions allowable under this permit (whether expressed herein as a rate of emissions or in terms of total emissions);
 - (4) The Permittee notifies the:

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

and

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

in advance of the change by written notification at least ten (10) days in advance of the proposed change. The Permittee shall attach every such notice to the Permittee's copy of this permit; and
 - (5) The Permittee maintains records on-site which document, on a rolling five (5) year basis, all such changes and emissions trading that are subject to 326 IAC 2-7-20(b), (c), or (e) and makes such records available, upon reasonable request, for public review.

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

- (b) The Permittee may make Section 502(b)(10) of the Clean Air Act changes (this term is defined at 326 IAC 2-7-1(36)) without a permit revision, subject to the constraint of 326 IAC 2-7-20(a). For each such Section 502(b)(10) of the Clean Air Act change, the required written notification shall include the following:
- (1) A brief description of the change within the source;
 - (2) The date on which the change will occur;
 - (3) Any change in emissions; and
 - (4) Any permit term or condition that is no longer applicable as a result of the change.

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

- (c) Emission Trades [326 IAC 2-7-20(c)]
The Permittee may trade increases and decreases in emissions in the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-7-20(c).
- (d) Alternative Operating Scenarios [326 IAC 2-7-20(d)]
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-7-5(9). No prior notification of IDEM, OAQ, or U.S. EPA is required.

B.20 Source Modification Requirement [326 IAC 2-7-10.5]

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

B.21 Inspection and Entry [326 IAC 2-7-6] [IC 13-14-2-2] [IC 13-17-3-2] [IC 13-30-3-1]

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

- (a) Enter upon the Permittee's premises where a Part 70 source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;
- (b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy any records that must be kept under the conditions of this permit;
- (c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;
- (d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and

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

B.22 Transfer of Ownership or Operational Control [326 IAC 2-7-11]

- (a) The Permittee must comply with the requirements of 326 IAC 2-7-11 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.
- (b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

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

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

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

B.23 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-7-5(7)] [326 IAC 2-1.1-7]

- (a) The Permittee shall pay annual fees to IDEM, OAQ within thirty (30) calendar days of receipt of a billing. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ the applicable fee is due April 1 of each year.
- (b) Except as provided in 326 IAC 2-7-19(e), failure to pay may result in administrative enforcement action or revocation of this permit.
- (c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4230 (ask for OAQ, Billing, Licensing and Training Section), to determine the appropriate permit fee.

B.24 Credible Evidence [326 IAC 2-7-5(3)][326 IAC 2-7-6][62 FR 8314]

Notwithstanding the conditions of this permit that state specific methods that may be used to demonstrate compliance with, or a violation of, applicable requirements, any person (including the Permittee) may also use other credible evidence to demonstrate compliance with, or a violation of, any term or condition of this permit.

SECTION C

SOURCE OPERATION CONDITIONS

Entire Source

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

C.1 Opacity [326 IAC 5-1]

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

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

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

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

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

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

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

- (a) The Permittee shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4 (Fugitive Dust Emissions). 326 IAC 6-4-2(4) is not federally enforceable.
- (b) In order to comply with 326 IAC 6-4, the Permittee shall comply with the fugitive dust control plan, which includes the following requirements:
 - (1) Vehicular traffic shall follow established roadways (paved and unpaved) and observe the POSTED speed limit of 15 mph (excluding the quarry).
 - (2) Individuals responsible for loading, unloading, and/or transfer of materials will be trained in Best Management Practices (BMPs) which will minimize or eliminate fugitive emissions and include instruction on:
 - (A) Filling the transportation containers properly by not overfilling;
 - (B) Loading trucks so that no part of the load comes within 6 inches of the top of any sideboard, side panel, or tail gate;
 - (C) Filling the loader bucket properly by not overfilling;

- (D) Minimize free fall heights; and,
 - (E) Taking all reasonable precautionary measures to reduce or eliminate the generation of fugitive dust.
- (3) Feeders for unloading & transfer operations will be connected directly to bins, hoppers and tanks.
 - (4) Leaks in potential sources of fugitive emissions will be repaired in a timely manner.
 - (5) Paved roads and parking lots in the plant will be swept on a daily basis (Monday-Friday), weather permitting. The sweeper will not be operated during rainy days.
 - (6) Unpaved roads will be watered, as needed. Due to safety concerns, road watering will not be conducted when the temperature is below 35°F or when the temperature is expected to fall below freezing while the roads are wet.
 - (7) The C-4 belt water spray dust suppression system will be replaced by May 31, 2004. This system will be operated on a continuous basis while the material handling equipment is in operation, except during freezing conditions which could cause material handling problems (at temperatures below 35° or when the temperatures are expected to be below freezing while the material is wet).
 - (8) Stock/Storage Piles
The areas around the Stock/Storage Piles are to be maintained in such a manner as to minimize the potential for fugitive particulate matter emissions.
 - (A) The area around the Piles is to be swept or watered as necessary.
 - (B) Restrict traffic flow in and around the storage areas.
 - (9) Clinker Storage Building Dust Control Plan
The openings in the roof and sides of the building will be sealed, and all belts will be covered. This phase of the clinker building dust control plan will be completed by May 31, 2004.

By July 31, 2004, ESSROC will submit to IDEM a report including a description of the actions taken with respect to the Clinker Storage Building and an evaluation of the effectiveness of those actions.

C.5 Operation of Equipment [326 IAC 2-7-6(6)]

Except as otherwise provided by statute or rule, or in this permit, all air pollution control equipment listed in this permit and used to comply with an applicable requirement shall be operated at all times that the emission units vented to the control equipment are in operation.

C.6 Stack Height [326 IAC 1-7]

The Permittee shall comply with the applicable provisions of 326 IAC 1-7 (Stack Height Provisions), for all exhaust stacks through which a potential (before controls) of twenty-five (25) tons per year or more of particulate matter or sulfur dioxide is emitted. The provisions of 326 IAC 1-7-2, 326 IAC 1-7-3(c) and (d), 326 IAC 1-7-4(a)(3), (e), and (f), and 326 IAC 1-7-5(d) are not federally enforceable.

C.7 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61.140]

The Permittee shall comply with the applicable requirements of 326 IAC 14-10, 326 IAC 18, and 40 CFR 61.140 when conducting any asbestos abatement project covered by those rules.

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

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

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

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

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

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

- (b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ, if the source submits to IDEM, OAQ, a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

Compliance Requirements [326 IAC 2-1.1-11]

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

The commissioner may require stack testing, monitoring, or reporting at any time to assure compliance with all applicable requirements by issuing an order under 326 IAC 2-1.1-11. Any monitoring or testing shall be performed in accordance with 326 IAC 3 or other methods approved by the commissioner or the U. S. EPA. The Permittee shall have the right to seek administrative or judicial review of an order to test.

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

C.10 Compliance Monitoring [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]

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

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

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

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

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

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

- (a) The Permittee shall install, calibrate, maintain, and operate all necessary continuous opacity monitoring systems (COMS) and related equipment.
- (b) All continuous opacity monitoring systems shall meet the performance specifications of 40 CFR 60, Appendix B, Performance Specification No. 1, and are subject to monitor system certification requirements pursuant to 326 IAC 3-5.
- (c) In the event that a breakdown of a continuous opacity monitoring system occurs, a record shall be made of the time and reason of the breakdown and efforts made to correct the problem.

C.12 Maintenance of Continuous Emission Monitoring Equipment [326 IAC 2-7-5(3)(A)(iii)]

- (a) The Permittee shall install, calibrate, maintain, and operate all necessary continuous emission monitoring systems (CEMS) and related equipment.
- (b) All continuous emission monitoring systems shall meet all applicable performance specifications of 40 CFR 60 or any other performance specification, and are subject to monitor system certification requirements pursuant to 326 IAC 3-5-3.
- (c) In the event that a breakdown of a continuous emission monitoring system occurs, a record shall be made of the times and reasons of the breakdown and efforts made to correct the problem.
- (d) Whenever a continuous emission monitor other than an opacity monitor is malfunctioning or is down for maintenance or repairs, the following shall be used as an alternative to continuous data collection:
 - (1) If the CEM is required for monitoring NO_x or SO₂ emissions pursuant to 40 CFR 75 (Title IV Acid Rain program) or 326 IAC 10-4 (NO_x Budget Trading Program), the Permittee shall comply with the relevant requirements of 40 CFR 75 Subpart D - Missing Data Substitution Procedures.
 - (2) If the CEM is not used to monitor NO_x or SO₂ emissions pursuant to 40 CFR 75 or 326 IAC 10-4, then supplemental or intermittent monitoring of the parameter shall be implemented as specified in Section D of this permit until such time as the emission monitor system is back in operation.

- (e) Nothing in this permit shall excuse the Permittee from complying with the requirements to operate a continuous emission monitoring system pursuant to 326 IAC 10-1 and/or 326 IAC 10-3.

C.13 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]

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

C.14 Pressure Gauge and Other Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]

- (a) Whenever a condition in this permit requires the measurement of pressure drop across any part of the unit or its control device, the gauge employed shall have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent ($\pm 2\%$) of full scale reading.
- (b) Whenever a condition in this permit requires the measurement of a temperature, or T-R set voltage or current, 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 ($\pm 2\%$) of full scale reading.
- (c) The Permittee may request the IDEM, OAQ approve the use of a pressure gauge or other instrument that does not meet the above specifications provided the Permittee can demonstrate an alternative pressure gauge or other instrument specification will adequately ensure compliance with permit conditions requiring the measurement of pressure drop or other parameters.

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

C.15 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]

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

- (a) The Permittee shall prepare written emergency reduction plans (ERPs) consistent with safe operating procedures.
- (b) These ERPs shall be submitted for approval to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue
MC 61-35 IGCN 1003
Indianapolis, Indiana 46204-2251

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

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

- (c) If the ERP is disapproved by IDEM, OAQ, the Permittee shall have an additional thirty (30) days to resolve the differences and submit an approvable ERP.
- (d) These ERPs shall state those actions that will be taken, when each episode level is declared, to reduce or eliminate emissions of the appropriate air pollutants.

- (e) Said ERPs shall also identify the sources of air pollutants, the approximate amount of reduction of the pollutants, and a brief description of the manner in which the reduction will be achieved.
- (f) Upon direct notification by IDEM, OAQ, that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate episode level. [326 IAC 1-5-3]

C.16 Risk Management Plan [326 IAC 2-7-5(12)] [40 CFR 68.215]

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

C.17 Compliance Response Plan - Preparation, Implementation, Records, and Reports [326 IAC 2-7-5] [326 IAC 2-7-6]

- (a) The Permittee is required to prepare a Compliance Response Plan (CRP) for each compliance monitoring condition of this permit. If the Permittee is required to have an Operations and Maintenance (O&M) Plan under 40 CFR 63, such plan shall be deemed to satisfy the requirements for a CRP for those compliance monitoring conditions. A CRP shall be submitted to IDEM, OAQ upon request. The CRP shall be prepared within ninety (90) days after issuance of this permit by the Permittee, 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 time frame 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 O&M Plan and the Permittee documents such response in accordance with subsection (e) below, the Permittee shall amend its Compliance Response Plan or O&M Plan to include such response steps taken.

The O&M Plan shall be submitted within the time frames specified by the applicable 40 CFR 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 O&M Plan; or
 - (2) If none of the reasonable response steps listed in the Compliance Response Plan or O&M 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 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 status of the applicable compliance monitoring parameter with respect to normal, and the results of the actions taken up to the time of notification.

- (4) Failure to take response steps shall be considered a deviation from the permit.
- (c) The Permittee is not required to take any further response steps for any of the following reasons:
 - (1) A false reading occurs due to the malfunction of the monitoring equipment and prompt action was taken to correct the monitoring equipment.
 - (2) The Permittee has determined that the compliance monitoring parameters established in the permit conditions are technically inappropriate, has previously submitted a request for a minor permit modification to the permit, and such request has not been denied.
 - (3) An automatic measurement was taken when the process was not operating.
 - (4) The process has already returned or is returning to operating within "normal" parameters and no response steps are required.
- (d) When implementing reasonable steps in response to a compliance monitoring condition, if the Permittee determines that an exceedance of an emission limitation has occurred, the Permittee shall report such deviations pursuant to Section B - Deviations from Permit Requirements and Conditions.
- (e) The Permittee shall record all instances when, in accordance with Section D, response steps are taken. In the event of an emergency, the provisions of 326 IAC 2-7-16 (Emergency Provisions) requiring prompt corrective action to mitigate emissions shall prevail.
- (f) Except as otherwise provided by a rule or provided specifically in Section D, all monitoring as required in Section D shall be performed when the emission unit is operating, except for time necessary to perform quality assurance and maintenance activities.

C.18 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5]
[326 IAC 2-7-6]

- (a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall take appropriate response actions. The Permittee shall submit a description of these response actions to IDEM, OAQ, within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize excess emissions from the affected facility while the response actions are being implemented.
- (b) A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAQ that retesting in one hundred twenty (120) days is not practicable, IDEM, OAQ may extend the retesting deadline.
- (c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.

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

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

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

- (a) The Permittee shall submit an emission statement certified pursuant to the requirements of 326 IAC 2-6. This statement must be received in accordance with the compliance schedule specified in 326 IAC 2-6-3 and must comply with the minimum requirements specified in 326 IAC 2-6-4. The submittal should cover the period identified in 326 IAC 2-6. The emission statement shall meet the following requirements:
- (1) Indicate estimated actual emissions of criteria pollutants from the source, in compliance with 326 IAC 2-6 (Emission Reporting);
 - (2) Indicate estimated actual emissions of other regulated pollutants (as defined by 326 IAC 2-7-1(32) ("Regulated pollutant which is used only for purposes of Section 19 of this rule") from the source, for purposes of Part 70 fee assessment.
- (b) The statement must be submitted to:
- Indiana Department of Environmental Management
Technical Support and Modeling Section, Office of Air Quality
100 North Senate Avenue
MC 61-50 IGCN 1003
Indianapolis, Indiana 46204-2251
- The emission statement does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (c) The annual emission statement required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

C.20 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6]

- (a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.
- (b) Unless otherwise specified in this permit, all record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance.

C.21 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11]

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

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

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

- (c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.
- (d) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (e) The first report shall cover the period commencing on the date of issuance of this permit and ending on the last day of the reporting period. Reporting periods are based on calendar years.

C.22 NESHAP Notification and Reporting Requirements [40 CFR Part 63, Subparts A, and LLL]

The Permittee shall comply with all reporting provisions specified in 40 CFR Part 63, Subpart LLL, and in particular:

- (a) The Permittee shall submit an initial notification in accordance with 40 CFR 63.9(b) (Subpart A, General Provisions). The Permittee provided the following information:
- (1) The name and address of the Permittee;
 - (2) The address (i.e., physical location) of the affected source;
 - (3) An identification of the relevant standard or other requirement, that is the basis of the notification and the source's compliance date;
 - (4) A brief description of the nature, size, design, and method of operation of the source, including its operating design capacity and an identification of each point of emission for each hazardous air pollutant, or if a definitive identification is not yet possible, a preliminary identification of each point of emission for each hazardous air pollutant; and
 - (5) A statement of whether the affected source is a major source or an area source.
- (b) The Permittee shall submit a notification of performance tests, as required by 40 CFR 63.7 and 40 CFR 63.9(e).
- (c) The Permittee shall submit a notification of opacity and visible emission observations as required by 40 CFR 63.1349 in accordance with 40 CFR 63.6(h)(5) and 40 CFR 63.9(f).

- (d) The Permittee shall submit notification, as required by 40 CFR 63.9(g), of the date that continuous emission monitor performance evaluation required by 40 CFR 63.8(e) is scheduled to begin.
- (e) The Permittee shall submit notification of compliance status, as required by 40 CFR 63.9(h).
- (f) The notification(s) required in this section shall be submitted to:

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

and

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

Stratospheric Ozone Protection

C.23 Compliance with 40 CFR 82 and 326 IAC 22-1

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

- (a) Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156.
- (b) Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158.
- (c) Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

SECTION D.1 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)] Note: Complete facility descriptions are in Section A.2.

Quarry activities

- (1) Quarry drilling, identified as EU01.
- (2) Quarry blasting, identified as EU75.
- (3) Raw material (limestone) loading to trucks, identified as EU76.

Raw material stockpile operations

- (4) Raw material (clay overburden) unloading to strippings stockpile, identified as EU78.
- (5) Strippings stockpile, identified as EU145.
- (6) Truck unloading to additive hopper or additive storage pile, identified as EU99.
- (7) Silica/Alumina/Iron additive storage pile, identified as EU100.
- (8) Additive clay blend pile, identified as EU101.
- (9) Truck unloading to clay storage piles, identified as EU102.
- (10) uncovered clay storage pile, identified as EU103.
- (11) covered clay storage pile, identified as EU104.

Raw Material Sizing Operations

- (12) Raw material unloading to stone surge pile or primary crusher, identified as EU80.
- (13) Stone surge pile, identified as EU81.
- (14) One (1) primary crusher, identified as EU82.
- (15) One (1) covered conveyor belt, identified as EU83.
- (16) Screens, identified as EU84.
- (17) One (1) secondary crusher, identified as EU02.
- (18) Covered conveyor, identified as EU03.
- (19) Two (2) tertiary crushers, identified as EU04 and EU04a.
- (20) One (1) conveyor used to bypass tertiary crusher, identified as EU05.
- (21) One (1) covered conveyor, identified as EU85.
- (22) One (1) traveling belt, identified as EU86.
- (23) North stone bin, identified as EU06.
- (24) South stone bin, identified as EU07.
- (25) Stone conveyor transfer to truck, identified as EU87.
- (26) One (1) truck unloading station to crushed limestone storage pile, identified as EU89.
- (27) One (1) truck loading station from crushed limestone storage pile, identified as EU91.
- (28) One (1) truck unloading station to truck dump hopper, identified as EU93.
- (29) One (1) truck unloading station to emergency limestone storage pile, identified as EU94.
- (30) Crushed limestone storage piles, identified as EU90.
- (31) Emergency limestone storage pile, identified as EU95.
- (32) One (1) truck dump hopper, identified as EU96.
- (33) One (1) limestone conveyor, identified as EU97.
- (34) Main limestone storage pile, identified as EU98.

Kiln #1 Cement Kiln Dust (CKD) Operations

- (35) One (1) dust tank system, identified as EU21.
- (36) truck loading from the dust tank system, identified as EU113.
- (37) CKD storage pile, identified as EU118.
- (38) CKD sales loadout spout (kiln #1 dust tank), identified as EU155.

Kiln #2 Cement Kiln Dust (CKD) Operations

- (39) truck loading from the elevator dust tank, identified as EU115.
- (40) truck unloading to CKD storage pile, identified as EU117.

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

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

D.1.1 Particulate Matter (PM) [326 IAC 6-1-2] [326 IAC 2-2]

- (a) Pursuant to 326 IAC 6-1-2 (Nonattainment Area Particulate Limitations), the PM emission rate from each of the raw material sizing operations, the kiln #1 cement kiln dust (CKD) operations, and the kiln #2 cement kiln dust (CKD) operations shall each not exceed 0.03 grains per dry standard cubic foot of exhaust air.
- (b) In order to render the requirements of 326 IAC 2-2 (PSD) not applicable, the PM10 emissions from the baghouse controlling the CKD sales loadout spout (kiln #1 dust tank) (EU155) shall not exceed 0.65 pounds per hour and the PM emissions shall not exceed 1.08 pounds per hour. Therefore, the requirements of 326 IAC 2-2 (PSD) shall not apply.
- (c) In order to render the requirements of 326 IAC 2-2 (PSD) not applicable, the number of holes drilled by the quarry drilling process shall not exceed 38,000 per 12 consecutive month period and the PM emissions shall not exceed 1.3 pounds per hole. Therefore, the requirements of 326 IAC 2-2 (PSD) shall not apply.

D.1.2 Determinations of Nonapplicability [40 CFR 60, Subparts A, F, and OOO]
[40 CFR 63, Subparts A and LLL]

- (a) None of the quarry activities, raw material stockpile operations, or raw material sizing operations listed in this section are subject to the requirements of the New Source Performance Standards (NSPS), 40 CFR 60, Subparts A and F (Standards of Performance for Portland Cement Plants) because they are not affected facilities under this rule.
- (b) None of the cement kiln dust operations listed in this section are subject to the requirements of the New Source Performance Standards (NSPS), 40 CFR 60, Subparts A and F (Standards of Performance for Portland Cement Plants), because they are not considered affected facilities under this rule.
- (c) None of the quarry activities, raw material stockpile operations, or raw material sizing facilities/emission units listed in this section are subject to the requirements of the National Emissions Standards for Hazardous Air Pollutants (NESHAP) 40 CFR 63 Subparts A and LLL, because they are not affected facilities under this rule.
- (d) None of the cement kiln dust operations listed in this section are subject to the requirements of the National Emissions Standards for Hazardous Air Pollutants (NESHAP) 40 CFR 63 Subparts A and LLL, because they are not considered affected facilities under this rule.
- (e) None of the facilities/emission units listed in this section are subject to the requirements of the NSPS, 40 CFR 60, Subpart OOO (Standards of Performance for Nonmetallic Mineral Processing Plants) because they were constructed prior to the applicability date of August 31, 1983.

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

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for the control devices listed in this section.

Compliance Determination Requirements

D.1.4 Particulate Matter (PM)

Except as otherwise provided by statute, rule, or this permit, in order to comply with the limits in Condition D.1.1 each baghouse for PM control shall be in operation at all times when its associated facility is in operation.

D.1.5 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]

Within 180 days after issuance of this Part 70 permit, in order to demonstrate compliance with Condition D.1.1, the Permittee shall perform PM and PM10 testing on baghouse 266 controlling the CKD sales loadout spout (kiln #1 dust tank) (EU155) utilizing methods as approved by the Commissioner. PM10 includes filterable and condensable PM10. Testing shall be conducted in accordance with Section C- Performance Testing. All associated facilities exhausting to a single stack must all be operating when determining compliance with the limit.

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

D.1.6 Visible Emissions Notations

- (a) Visible emission notations of each of the baghouse stack exhausts shall be performed once per shift during normal daylight operations. A trained employee shall record whether visible emissions are present.
- (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 visible emissions for that specific process.
- (e) If visible emissions are observed crossing the property line, the Permittee shall implement the appropriate procedures as set out in its Compliance Response Plan. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a deviation from this permit.
- (f) If visible emissions are present at any baghouse stack, the Permittee shall implement appropriate procedures as set out in its Compliance Response Plan for such facility. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a deviation from this permit.

D.1.7 Parametric Monitoring

The Permittee shall record the static pressure drop across each baghouse, at least once per shift when the associated facility is in operation. When for any one reading, the pressure drop across a baghouse is outside the normal range of 1.0 to 8.0 inches of water or the range established during the most recent stack test, the Permittee shall take reasonable response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports. A pressure reading that is outside the normal range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a deviation from this permit.

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

D.1.8 Baghouse Inspections

An inspection shall be performed each calendar quarter of all bags controlling the facilities listed in this section. Inspections required by this condition shall not be performed in consecutive months. All defective bags shall be replaced.

D.1.9 Broken or Failed Bag Detection

In the event that bag failure has been observed.

- (a) For multi-compartment units, the affected compartments will be shut down immediately until the failed units have been repaired or replaced. Within eight (8) business hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) business hours of discovery of the failure and shall include a timetable for completion. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a deviation from this permit. If operations continue after bag failure is observed and it will be 10 days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.
- (b) For single compartment baghouses, if failure is indicated by a significant drop in the baghouse's pressure readings with visible emissions present 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 the failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

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

D.1.10 Record Keeping Requirements

- (a) To document compliance with Condition D.1.6, the Permittee shall maintain records of visible emission notations of the baghouse stack exhausts once per shift.
- (b) To document compliance with Condition D.1.7, the Permittee shall maintain records of the pressure drop across each baghouse once per shift.
- (c) To document compliance with Condition D.1.8, the Permittee shall maintain records of the results of the inspections required under Condition D.1.8.
- (d) To document compliance with Condition D.1.1(c), the Permittee shall maintain records of the number of holes drilled at the quarry. All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

- (e) To document compliance with Condition D.1.3, the Permittee shall maintain of records of any additional inspections prescribed by the Preventive Maintenance Plan.
- (f) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.1.11 Reporting Requirements

A quarterly summary of the information to document compliance with the limit specified in Condition D.1.1(c) shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting form located at the end of this permit, or its equivalent, within thirty (30) days after the end of the quarter being reported. This report submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

SECTION D.2

FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)] Note: Complete facility descriptions are in Section A.2.

Miscellaneous Facilities

- (41) Plant Roads, identified as EU152.
- (42) Vacuum system, identified as EU73.
- (43) One (1) warehouse conveyor system for conveying bagged cement, identified as EU74.

Clay Processing Operations

- (44) Clay hopper, identified as EU105.
- (45) One (1) covered conveyor system, identified as EU106.
- (46) One (1) clay crusher, identified as EU08.

Finish Operations Crane Storage Facilities

- (47) Emergency BP stone storage pile, identified as EU128.
- (48) One (1) truck unloading station, identified as EU127.
- (49) One (1) truck unloading station to gypsum storage piles, identified as EU129.
- (50) Crane storage building, identified as EU131.
- (51) gypsum storage piles, identified as EU130 and EU134.

Fossil Fuel Storage and Handling Facilities

- (52) one (1) truck unloading station to the reserve coal storage pile, identified as EU136 .
- (53) One (1) reserve coal storage pile, identified as EU137.
- (54) one (1) coal storage pile, identified as EU142.
- (55) One (1) coal draw-up covered conveying system, identified as EU63.
- (56) Coal transfer tower, identified as EU64.
- (57) One (1) coal bin, identified as EU65.

Kiln #1 Clinker Handling Facilities

- (58) One (1) #1 clinker drag conveyor, identified as EU23.
- (59) apron conveyor, identified as EU24.
- (60) clinker can #1, identified as EU114.

Kiln #2 Clinker Handling Facilities

- (61) One (1) #2 clinker drag conveyor, identified as EU30.
- (62) One (1) aumond conveyor, identified as EU31.
- (63) One (1) cross belt, identified as EU119.
- (64) clinker can #2, identified as EU120.

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

Facility Description [326 IAC 2-7-5(15)] continued Note: Complete facility descriptions are in Section A.2.

Clinker Handling to Crane Storage Facilities

- (65) One (1) long belt, identified as EU25.
- (66) One (1) North clinker transfer tower, identified as EU32.
- (67) One (1) covered incline belt (Shuttle belt), identified as EU33.
- (68) One (1) clinker storage pile, identified as EU121.
- (69) North clinker storage pile, identified as EU122.
- (70) North clinker storage building, identified as EU123.
- (71) One (1) North reclaim clinker covered conveyor system, identified as EU34.
- (72) One (1) South reclaim clinker covered conveyor, identified as EU124.
- (73) Truck loading station, identified as EU125.
- (74) Truck unloading station, identified as EU126.

Facility Description [326 IAC 2-7-5(15)] continued. Note: Complete facility descriptions are in Section A.2.

2ABC Finish Mill Facilities

- (75) One (1) CKD/Lime tank, identified as EU146.
- (76) one (1) gypsum/stone transfer circuit ABC mills, identified as EU35.
- (77) one (1) clinker transfer circuit ABC mills, identified as EU36.
- (78) two (2) clinker elevators, identified as EU37.
- (79) One (1) 2BC finish mill feed belt, identified as EU132.
- (80) 2A hopper / preliminary ball mill used to grind clinker and gypsum, identified as EU38.
- (81) one (1) finish mill circuit 2A, identified as EU39.
- (82) one (1) finish mill circuit 2B, identified as EU40.
- (83) one (1) finish mill circuit 2C, identified as EU42.
- (84) One (1) separator and cement cooler, identified as EU43.
- (85) One (1) separator and cement cooler, identified as EU41.
- (86) One (1) BP tank for storing finished product (cement), identified as EU48.
- (87) One (1) pump used to transfer material from the BP tank to silos, identified as EU49.

Finish Mill 2 Facilities

- (88) one (1) gypsum elevator, identified as EU135.
- (89) one (1) 2D finish mill clinker bin, identified as EU44.
- (90) one (1) 2D finish mill clinker / gypsum feed circuit, identified as EU45.
- (91) one (1) 2D finish mill roll press circuit, identified as EU46.
- (92) one (1) 2D finish mill circuit, identified as EU47.

Finish Product 501-Silos Storage and Packing Facilities

- (93) 501-Silos 30-44, identified as EU54.
- (94) One (1) BIC mixer for mixing lime and pigment with the clinker, identified as EU55.
- (95) one (1) BIC packer for loading cement into bags, identified as EU56.

Finish Product 506-Silos Storage, Packing, and Bulk Loading Facilities

- (96) 506-Silos 56-73, identified as EU53.
- (97) Two (2) bulk loading stations for railroad cars and trucks, identified as EU57 and EU58.
- (98) One (1) packer #1 for loading cement into bags, identified as EU59.
- (99) One (1) packer #2 for loading cement into bags, identified as EU60.
- (100) One (1) packer #3 for loading cement into bags, identified as EU61.
- (101) one (1) bag compression station, identified as EU62.

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

Facility Description [326 IAC 2-7-5(15)] continued Note: Complete facility descriptions are in Section A.2.

Finish Product 504-Silos Storage and Bulk Loading Facilities

- (102) 504-Silos 45-48, and 50-55, identified as EU51.
- (103) One (1) bulk loading station for trucks and railroad cars, identified as EU52.

Finish Product 504-Silos Storage and Bulk Loading Facilities (continued)

- (104) 504 Silos Bank/Silo 49 (CKD sales), identified as EU153.
- (105) CKD sales loadout spout, identified as EU154.

Finish Product 502-Silos Storage and Bulk Loading Facilities

- (106) 502-Silos 1, 2, and 7-11, identified as EU50.

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

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

D.2.1 Particulate Matter (PM) [326 IAC 6-1-2]

Pursuant to 326 IAC 6-1-2 (Nonattainment Area Particulate Limitations), the PM emission rate from each of the miscellaneous facilities, clay processing operations, finish operations crane storage facilities, fossil fuel storage and handling facilities, kiln #1 clinker handling facilities, kiln #2 clinker handling facilities, clinker handling to crane storage facilities, 2ABC finish mill facilities, finish mill #2 facilities, finish product 501-silos storage and packing facilities, finish production 506-silos storage, packing, and bulk loading facilities, finish product 504-silos storage and bulk loading facilities, and finish product 502-silos storage and bulk loading facilities shall each not exceed 0.03 grains per dry standard cubic foot of exhaust air.

D.2.2 General Provisions Relating to NESHAP [326 IAC 20-1][40 CFR Part 63, Subpart A]

Except when otherwise specified in 40 CFR Part 63, Subpart LLL, the provisions of 40 CFR Part 63, Subpart A - General Provisions, which are incorporated by reference in 326 IAC 20-1, apply to all of the facilities described in this section, except for the open/unenclosed material stockpiles and haul roads.

D.2.3 NESHAP Emissions Limitation [40 CFR 63, Subpart LLL] [326 IAC 20-27-1]

The NESHAP 40 CFR 63, Subpart LLL and 326 IAC 20-27-1 applies to all of the emission units listed in this section, except for the open/unenclosed material stockpiles and haul roads. Pursuant to 40 CFR 63.1348 (Emissions Standards and Operating Limits), on and after June 14, 2002, which is the compliance date for the National Emission Standards for Hazardous Air Pollutants (NESHAP) from the Portland Cement Manufacturing Industry, the visible emissions from each of the affected facilities listed in this section shall not exceed ten percent (10%) opacity.

D.2.4 Determinations of Nonapplicability [40 CFR 60, Subparts A and F]

Emission units EU63 through EU65, EU30 through EU33, EU120, EU132, EU46, EU73, EU74, EU55 and EU56 are not subject to the requirements of the New Source Performance Standards (NSPS), 40 CFR 60, Subparts A and F (Standards of Performance for Portland Cement Plants) because the requirements of the NESHAP 40 CFR 63 Subpart LLL superseded the requirements of the NSPS on June 14, 2002. None of the other facilities listed in this are subject to the requirements of the New Source Performance Standards (NSPS), 40 CFR 60, Subparts A and F (Standards of Performance for Portland Cement Plants) because they are not affected facilities under this rule, or they were constructed prior to the applicability date of August 17, 1971.

D.2.5 Prevention of Significant Deterioration (PSD) [326 IAC 2-2]

In order to render the requirements of PSD not applicable, the following conditions shall apply:

- (a) The PM emissions from baghouses 261, 262, 31497, 31498, and 263 controlling the 2D finish mill roll press circuit (EU46) shall not exceed 4.53 pounds per hour (limit for all three baghouses combined).
- (b) The PM10 emissions from baghouses 261, 262, 31497, 31498 and 263 controlling the 2D finish mill roll press circuit (EU46) shall not exceed 2.71 pounds per hour (limit for all three baghouses combined).
- (c) The PM emissions from baghouse 249 controlling the warehouse conveyor system (EU74) shall not exceed 4.58 pounds per hour.
- (d) The PM emissions from baghouse 250 controlling the vacuum system (EU73) shall not exceed 1.11 pounds per hour.
- (e) The PM emissions from baghouse 265 controlling the CKD sales loadout spout (EU154) shall not exceed 1.15 pounds per hour.
- (f) The PM10 emissions from baghouse 265 controlling the CKD sales loadout spout (EU154) shall not exceed 0.69 pounds per hour.

Therefore, the requirements of 326 IAC 2-2 (PSD) are not applicable.

D.2.6 Preventive Maintenance Plan [326 IAC 2-7-5(13)] [40 CFR 63, Subpart LLL]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for the control devices listed in this section.

Compliance Determination Requirements

D.2.7 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11] [40 CFR 60, Subpart F] [40 CFR 63, Subpart LLL]

- (a) No later than 180 days after June 14, 2002, which is the compliance date for the Portland Cement Manufacturing Industry NESHAP, the Permittee shall demonstrate compliance with the limits established in Condition D.2.3 by conducting a test in accordance with 40 CFR 63.1349, Method 9 of 40 CFR Part 60, Appendix A, and Section C - Performance Testing.
- (b) In order to demonstrate compliance with Conditions D.2.5 and D.2.1, the Permittee shall perform testing on the facilities listed in the following table, utilizing methods as approved by the Commissioner. These tests shall be conducted within 180 days after issuance of this Part 70 permit.

Processes	Control Device ID	Pollutants to test
vacuum system (EU73)	baghouse 250	PM
warehouse conveyor system (EU74)	baghouse 249	PM
CKD sales loadout spout (kiln #1 dust tank) (EU155)	baghouse 266	PM
south reclaim clinker covered conveyor (EU124)	baghouse 120	PM

Processes	Control Device ID	Pollutants to test
2D finish mill clinker bin (EU44) and gypsum elevator (EU135)	baghouse 120	PM
2D finish mill roll press circuit (EU46) and 2D finish mill clinker / gypsum feed circuit (EU45)	baghouses 261, 262, and 263	PM and PM10
2D finish mill circuit (EU47)	baghouse 139	PM
CKD sales loadout spout (EU154)	baghouse 265	PM
Elevators (2) (EU37) 2A finish mill circuit (EU39)	baghouse 134	PM
Separator and Cement cooler (EU41)	baghouse 136	PM
Sidewinder (EU15)	baghouse 247	PM
Blend silo #2 (EU17)	baghouse 230	PM
CKD/Lime tank (EU146)	baghouse 143	PM
calibration system (EU18)	baghouse 212	PM

PM-10 includes filterable and condensible PM-10. Testing shall be conducted in accordance with Section C- Performance Testing. All associated facilities exhausting to a single stack must all be operating when determining compliance with the limit.

D.2.8 Particulate Matter (PM)

Except as otherwise provided by statute, rule, or this permit, in order to comply with conditions D.2.1, D.2.3, and D.2.5 each baghouse for PM control shall be in operation at all times when its associated facility is in operation.

D.2.9 NESHAP Monitoring Requirements [40 CFR 63, Subpart LLL][326 IAC 20-27-1]

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- (a) Pursuant to 40 CFR 63.1350 (Monitoring Requirements), the Permittee shall prepare a written operations and maintenance plan for each affected source by June 14, 2002, which is the compliance date for the National Emission Standards for Hazardous Air Pollutants (NESHAP) from the Portland Cement Manufacturing Industry. The plan shall include the following information:
- (1) Procedures for proper operation and maintenance of the affected sources and associated air pollution control device(s) in order to meet the emissions limit in Condition D.2.3; and

- (2) Procedures to be used to periodically monitor the facilities listed in this section, which are subject to opacity standards under 40 CFR 63.1348. Such procedures must include the following provisions:
- (A) The Permittee shall conduct a monthly 1-minute visible emissions test of each affected source except for the finish mills, in accordance with 40 CFR 60, Appendix A, Method 22. The test must be conducted while the affected source is in operation.
 - (B) If no visible emissions are observed in six consecutive monthly tests for any affected source, the Permittee may decrease the frequency of testing from monthly to semi-annually for that affected source. If visible emissions are observed during any semi-annual test, the Permittee shall resume testing of that affected source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.
 - (C) If no visible emissions are observed during the semi-annual test for any affected source, the Permittee may decrease the frequency of testing from semi-annually to annually for that affected source. If visible emissions are observed during any annual test, the Permittee shall resume testing of that affected source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.
 - (D) If visible emissions are observed during any Method 22 test, the Permittee must conduct a 6-minute test of opacity in accordance with 40 CFR 60, Appendix A, Method 9. The Method 9 test must begin within one hour of any observation of visible emissions.
- (3) Corrective actions to be taken when required by paragraph (b).

Failure to comply with any provision of the operations and maintenance plan shall be a violation of the standard.

- (b) Pursuant to 40 CFR 63.1350 (Monitoring Requirements), the Permittee shall monitor opacity from the finish mills by conducting daily visual emissions observations of the mill sweep and air separator particulate matter control devices (PMCDs), in accordance with the procedures of 40 CFR 60, Appendix A, Method 22. The Method 22 test shall be conducted while the affected source is operating at the representative performance conditions. The duration of the Method 22 test shall be six minutes. If visible emissions are observed during any Method 22 visible emissions test, the Permittee must initiate, within one (1) hour, the corrective actions specified in the site specific operations and maintenance plan developed in accordance with 40 CFR 63.1350(a)(1) and (a)(2); and conduct a follow-up Method 22 test. If visible emissions are observed, then within 24 hours of the end of the Method 22 test in which the visible emissions were observed, the Permittee must conduct a follow-up Method 22 test of each stack from which visible emissions were observed during the previous Method 22 test. If visible emissions are observed during the follow-up Method 22 test, the Permittee must conduct a visual opacity test of each stack from which visible emissions were observed during the follow-up Method 22 test, in accordance with 40 CFR 60, Appendix A, Method 9. The duration of the Method 9 test shall be thirty (30) minutes.

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

D.2.10 Visible Emissions Notations

- (a) Visible emission notations of each of the baghouse stack exhausts shall be performed once per shift during normal daylight operations. A trained employee shall record whether visible emissions are present.
- (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 visible emissions for that specific process.
- (e) On days that the NESHAP, 40 CFR 63, Subpart LLL, monitoring required in Condition D.2.9 is performed, the Permittee may use those results to satisfy the requirements of this condition for the units subject to the NESHAP.
- (f) If visible emissions are present at any baghouse or ESP stack for which a COM is not operating, the Permittee shall implement the appropriate procedures as set out in its Compliance Response Plan for such facility. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a deviation from this permit.

D.2.11 Baghouse Parametric Monitoring

The Permittee shall record the static pressure drop across each baghouse, at least once per shift when the associated facility is in operation. When for any one reading, the pressure drop across a baghouse is outside the normal range of 1.0 to 8.0 inches of water or the range established during the most recent stack test, the Permittee shall take reasonable response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports. A pressure reading that is outside the normal range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a deviation from this permit.

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

D.2.12 Baghouse Inspections

An inspection shall be performed each calendar quarter of all bags controlling the facilities listed in this section. Inspections required by this condition shall not be performed in consecutive months. All defective bags shall be replaced.

D.2.13 Broken or Failed Bag Detection

In the event that bag failure has been observed.

- (a) For multi-compartment units, the affected compartments will be shut down immediately until the failed units have been repaired or replaced. Within eight (8) business hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) business hours of discovery of the failure and shall include a timetable for completion. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a deviation from this permit. If operations continue after bag failure is observed and it will be 10 days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.
- (b) For single compartment baghouses, if failure is indicated by a significant drop in the baghouse's pressure readings with abnormal visible emissions or the failure is indicated by an opacity violation, or if bag failure is determined by other means, such as gas temperatures, flow rates, air infiltration, leaks, dust traces or triboflows, then the failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

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

D.2.14 Record Keeping Requirements

- (a) To document compliance with Condition D.2.10, the Permittee shall maintain records of visible emission notations of the baghouse and ESP stack exhausts once per shift, whenever a COM is not being used.
- (b) To document compliance with Condition D.2.11, the Permittee shall maintain records of the pressure drop of each baghouse once per shift.
- (c) To document compliance with Condition D.2.12, the Permittee shall maintain records of the results of the baghouse inspections required under Condition D.2.12.
- (d) To document compliance with the NESHAP 40 CFR 63, Subpart LLL, the Permittee shall maintain all records required by 40 CFR 63.1355. These records include the following:
 - (1) The Permittee shall maintain files of all information (including all reports and notifications) required by 40 CFR 63.1355(a) recorded in a form suitable and readily available for inspection and review as required by 40 CFR 63.10(b)(1).
 - (2) The Permittee shall maintain records for each affected source as required by 40 CFR 63.10(b)(2) and (3) including:
 - (I) All documentation supporting initial notifications and notifications of compliance status under 40 CFR 63.9.
 - (II) All records of applicability determination, including supporting analyses.

- (e) To document compliance with Condition D.2.6, the Permittee shall maintain of records of any additional inspections prescribed by the Preventive Maintenance Plan.
- (f) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.2.16 Reporting Requirements

- (a) To document compliance with the NESHAP 40 CFR 63, Subpart LLL, the Permittee shall report the information required by 40 CFR 63.1354, including, but not limited to the following:
 - (1) The plan required by Condition D.2.9 shall be submitted to IDEM, OAQ and U.S. EPA by June 14, 2002, which is the compliance date for the National Emission Standards for Hazardous Air Pollutants (NESHAP) for the Portland Cement Manufacturing Industry.
 - (2) As required by 40 CFR 63.10(d)(2), the Permittee shall report the results of performance tests as part of the notification of compliance status, required in Section C - NESHAP Notification and Reporting Requirements.
 - (3) As required by 40 CFR 63.10(d)(3), the Permittee shall report the opacity results from tests required by 40 CFR 63.1349.
 - (4) As required by 40 CFR 63.10(d)(5), if actions taken by the Permittee during a startup, shutdown, or malfunction of an affected source (including actions taken to correct a malfunction) are consistent with the procedures specified in the source's startup, shutdown, and malfunction plan specified in 40 CFR 63.6(e)(3), the Permittee shall state such information in a semiannual report. Reports shall only be required if a startup, shutdown, or malfunction occurred during the reporting period. The startup, shutdown, and malfunction report may be submitted simultaneously with the excess emissions and continuous monitoring system performance reports.
 - (5) Pursuant to 40 CFR 63.10(d)(5)(ii), any time an action taken by the Permittee during a startup, shutdown, or malfunction (including actions taken to correct a malfunction) is not consistent with the procedures in the startup, shutdown, and malfunction plan, and the source exceeds any applicable emission limitation in the relevant emission standard, the Permittee shall report the actions taken for that event within 2 working days after commencing actions inconsistent with the plan, by telephone call to the OAQ Compliance Section at (317) 233-0178 or facsimile (FAX) transmission at (317) 233-6865. The immediate report shall be followed by a letter within 7 working days after the end of the event, certified by the Permittee, explaining the circumstances of the event, the reasons for not following the startup, shutdown, and malfunction plan, and whether any excess emissions and/or parameter monitoring exceedances are believed to have occurred.
- (b) In addition to being submitted to the address listed in Section C - General Reporting Requirements, all reports and the operation and maintenance plan submitted pursuant to 40 CFR 63, Subpart A shall also be submitted to the U.S. EPA at the following address:

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

Pursuant to 40 CFR 63.10(d)(5)(i) and (ii), the reports submitted by the Permittee shall include the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

SECTION D.3 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)] Note: Complete facility descriptions are in Section A.2.

Raw Mill Facilities

- (107) Two (2) pneumatic truck unloading stations to additive bins, identified as EU107 and EU108.
- (108) One (1) clay hopper, identified as EU109.
- (109) Three (3) additive bins for flyash, bottom ash, or iron, identified as EU10, EU11, and EU12, equipped with two elevators.
- (110) One (1) C-15 covered conveyor system, identified as EU09.
- (111) One (1) Loesche raw mill with a triple gate, identified as EU14.
- (112) one (1) sidewinder (pneumatic transfer pump), identified as EU15.
- (113) One (1) raw material pile, identified as EU112.
- (114) one (1) oil-fired Todd furnace used for heating the Loesche raw mill, identified as EU13.
- (115) blend silo #1 for blending kiln feed, identified as EU16.
- (116) blend silo #2 for blending kiln feed, identified as EU17.
- (117) one (1) calibration system, identified as EU18.

Coal handling, milling and storage facilities

- (118) Coal (crusher) mill #1, identified as EU66.
- (119) Coal (crusher) mill #2, identified as EU67.
- (120) one (1) fuel oil-fired air heater for kiln #1 coal mill, identified as EU68.
- (121) one (1) fuel oil-fired air heater for kiln #2 coal mill, identified as EU69.
- (122) Kiln #2 coal dust silo, identified as EU149.
- (123) Kiln #2 coal weigh system, identified as EU150.
- (124) Kiln #2 coal handling system, identified as EU151.

The kiln #1 and kiln #2 facilities

- (125) One (1) feed system for kiln #1, identified as EU19.
- (126) One (1) long dry process rotary cement kiln #1, identified as EU20.
- (127) One (1) feed system for kiln #2, identified as EU26.
- (128) One (1) dry process rotary cement kiln #2 and associated preheater unit, equipped with an alkali bypass, identified as EU27.
- (129) One (1) Elevator/dust tank (alkali bypass) for kiln #2, identified as EU28.

The clinker cooler #1 facilities

- (130) One (1) grate clinker cooler #1, identified as EU22.

The clinker cooler #2 facilities

- (131) One (1) grate clinker cooler #2, identified as EU29.

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

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

D.3.1 Particulate Matter (PM) [326 IAC 6-1-17]

Pursuant to 326 IAC 6-1-17 (Nonattainment Area Particulate Limitations: Clark County), the following conditions shall apply:

- (1) The combined particulate matter emissions from the kiln #2 system which includes kiln #2 (EU27), kiln #2 alkali bypass (EU28), the fuel oil-fired air heater for kiln #2 (EU69), and clinker cooler #2 (EU29), shall not exceed 265.20 tons per year and 0.4 pound per ton of kiln feed (dry basis).

- (2) The combined particulate matter emissions from the kiln #1 system, which includes kiln #1 (EU20), the fuel oil-fired air heater (EU68), and clinker cooler #1 (EU22), shall not exceed 251.20 tons per year and 0.58 pound per ton of kiln feed (dry basis).

D.3.2 Particulate Matter (PM) [326 IAC 6-1-2] [326 IAC 2-2] [326 IAC 2-7-6(3)] [326 IAC 2-7-15]

- (a) Pursuant to 326 IAC 6-1-2 (Nonattainment Area Particulate Limitations), the following conditions shall apply:
 - (1) The particulate matter emissions from the kiln #2 feed system (EU26) shall not exceed 0.03 grains per dry standard cubic foot of exhaust air.
 - (2) The particulate matter emissions from the kiln #1 feed system (EU19) shall not exceed 0.03 grains per dry standard cubic foot of exhaust air.
 - (3) The PM emission rate from each of the coal handling, milling and storage facilities (EU66, EU67, EU149, EU150, and EU151) shall not exceed 0.03 grains per dry standard cubic foot of exhaust air.
 - (4) The PM emission rate from each of the raw mill facilities shall not exceed 0.03 grains per dry standard cubic foot of exhaust air.
- (b) In order to render the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable, the following conditions shall apply:
 - (1) The PM emissions from filter 255 controlling the kiln #2 coal handling system (EU151) shall not exceed 0.27 pounds per hour.
 - (2) The PM10 emissions from filter 255 controlling the kiln #2 coal handling system (EU151) shall not exceed 0.16 pounds per hour.
 - (3) The PM emissions from baghouse 253 controlling the kiln #2 coal dust silo (EU149) shall not exceed 3.65 pounds per hour.
 - (4) The PM10 emissions from baghouse 253 controlling the kiln #2 coal dust silo (EU149) shall not exceed 2.19 pounds per hour.
 - (5) The PM emissions from filter 254 controlling the kiln #2 coal weigh system (EU150) shall not exceed 0.68 pounds per hour.
 - (6) The PM10 emissions from filter 254 controlling the kiln #2 coal weigh system (EU150) shall not exceed 0.41 pounds per hour.
 - (7) The PM emissions from baghouse 228 controlling the elevator for transferring material from the hopper to the additive bin shall not exceed 5.68 pounds per hour.
 - (8) The PM10 emissions from baghouse 228 controlling the elevator for transferring material from the hopper to the additive bin shall not exceed 3.40 pounds per hour.

Therefore, the requirements of 326 IAC 2-2 (PSD) shall not apply.

D.3.3 Sulfur Dioxide (SO₂) [326 IAC 7-1.1-1]

- (a) Pursuant to 326 IAC 7-1.1 (SO₂ Emissions Limitations) the SO₂ emissions from the combustion of coal or the simultaneous combustion of coal and oil, in kiln #1 and kiln #2 shall not exceed six (6.0) pounds per MMBtu heat input. Compliance shall be demonstrated on a calendar month average.
- (b) Pursuant to 326 IAC 7-1.1 (SO₂ Emissions Limitations) the SO₂ emissions from the combustion of fuel oil only from each of the kilns shall not exceed five tenths (0.5) pounds per MMBtu heat input. Pursuant to 326 IAC 7-2-1, compliance shall be demonstrated on a calendar month average.
- (c) Pursuant to 326 IAC 7-1.1 (SO₂ Emissions Limitations) the SO₂ emissions from each of the fuel oil-fired furnaces (EU68, and EU69) and the Todd furnace (EU13) shall not exceed 0.5 pound per million Btu of heat input when combusting fuel oil. Compliance shall be demonstrated on a calendar month average.

D.3.4 General Provisions Relating to NESHAP [326 IAC 20-1][40 CFR Part 63, Subpart A]

The provisions of 40 CFR Part 63, Subpart A - General Provisions, which are incorporated by reference in 326 IAC 20-1, apply to the raw mill facilities, the kiln #1 feed system (EU19), and the kiln #2 feed system (EU26), the coal handling, milling, and storage facilities (EU66, EU67, EU149, EU150, and EU151), the kiln #1 system, which includes kiln #1 (EU20), the fuel oil-fired air heater for kiln #1 (EU68), and clinker cooler #1 (EU22), and the kiln #2 system which includes kiln #2 (EU27), kiln #2 alkali bypass (EU28), the fuel oil-fired air heater for kiln #2 (EU69), and clinker cooler #2 (EU29), as described in this section except when otherwise specified in 40 CFR Part 63, Subpart LLL.

D.3.5 NESHAP Emissions Limitation [40 CFR Part 63, Subpart LLL]

- (a) Pursuant to 40 CFR 63.1343 (Emissions Standards and Operating Limits), on and after June 14, 2002, which is the compliance date for the National Emission Standards for Hazardous Air Pollutants (NESHAP) from the Portland Cement Manufacturing Industry, kiln #1 and kiln #2 shall be limited as follows:
 - (1) The particulate matter (PM) emissions from kiln #1 shall not exceed 0.30 pound per ton of feed (dry basis) to the kiln #1.
 - (2) The combined particulate matter emissions from the kiln #2 (EU27), the fuel oil-fired air heater for kiln #2 (EU69), and kiln #2 alkali bypass (EU28) shall not exceed 0.30 pound per ton of feed (dry basis) to the kiln #2.
 - (3) Visible emissions from kiln #1 shall be limited to twenty percent (20%) opacity.
 - (4) When kiln #2 and the Loesche raw mill (EU14) are both operating, the visible emissions from the baghouse controlling the Loesche raw mill and kiln #2 shall not exceed ten percent (10%) opacity. IDEM and USEPA have information that indicates that the Permittee is not in compliance with this opacity limit. The OAQ will promptly reopen this permit using the provisions of 326 IAC 2-7-9 (Permit Reopening) to include detailed requirements necessary to comply with this opacity limit and a schedule for achieving compliance with such requirement.
 - (5) When the Loesche raw mill (EU14) is operating and the kiln #2 is not operating, the visible emissions from the baghouse controlling the Loesche raw mill shall not exceed 10% opacity.

- (6) When the kiln #2 is operating and Loesche raw mill (EU14) is not operating, the visible emissions from the baghouses controlling kiln #2 shall not exceed 20% opacity.
 - (7) Dioxin/Furan emissions shall be limited to 8.7×10^{-11} grains per dry standard cubic foot (TEQ) corrected to seven percent oxygen; or 1.7×10^{-10} grains per dry standard cubic foot (TEQ) corrected to seven percent oxygen, when the average of the performance test run average temperatures at the inlet to the particulate matter control device is 400 degrees Fahrenheit or less.
 - (8) The Kilns shall operate such that the three-hour rolling average PMCD inlet temperature is no greater than the temperature established at the performance test.
- (b) Pursuant to 40 CFR 63.1345 (Emissions Standards and Operating Limits), on and after June 14, 2002, which is the compliance date for the National Emission Standards for Hazardous Air Pollutants (NESHAP) from the Portland Cement Manufacturing Industry, each clinker cooler shall be limited as follows:
- (1) Particulate matter (PM) emissions shall be limited to 0.10 pound per ton of feed (dry basis) to the kiln.
 - (2) Visible emissions shall be limited to ten percent (10%) opacity.
- (c) Pursuant to 40 CFR 63.1348 (Emissions Standards and Operating Limits), on and after June 14, 2002, which is the compliance date for the National Emission Standards for Hazardous Air Pollutants (NESHAP) from the Portland Cement Manufacturing Industry, the visible emissions from the raw mill facilities, the kiln #1 feed system (EU19), the kiln #2 feed system (EU26), the coal (crusher) mill #1 (EU66), the coal (crusher) mill #2 (EU67), the fuel oil-fired air heater for kiln #1 coal mill (EU68), the fuel oil-fired air heater for kiln #2 coal mill (EU69), the kiln #2 coal dust silo (EU149), the kiln #2 coal weigh system (EU150), and the kiln #2 coal handling system (EU151) shall not exceed ten percent (10%) opacity.

D.3.6 Determinations of Nonapplicability [40 CFR 60, Subparts A and F]

The raw mill facilities (EU09 through EU15, EU17, and EU107 through EU109), the kiln #2 (EU27) and associated preheater unit, alkali bypass (EU28), and kiln #2 feed system (EU26), the clinker cooler #2 (EU29), and the coal handling, milling, and storage facilities (EU67, EU69, EU149, EU150, and EU151) are not subject to the requirements of the New Source Performance Standards (NSPS), 40 CFR 60, Subparts A and F (Standards of Performance for Portland Cement Plants) because the requirements of the NESHAP 40 CFR 63 Subpart LLL superseded the requirements of the NSPS on June 14, 2002. The kiln #1 system, the kiln #1 feed system (EU19), the clinker cooler #1 (EU22), the coal crusher mill #1 (EU66), and the fuel oil-fired air heater for kiln #1 (EU68) are not subject to the requirements of the New Source Performance Standards (NSPS), 40 CFR 60, Subparts A and F (Standards of Performance for Portland Cement Plants) because they were constructed prior to the applicability date of August 17, 1971.

D.3.7 NOx Emissions [326 IAC 10-1] [326 IAC 10-3]

Pursuant to 326 IAC 10-3, beginning on May 31, 2004, the requirements of paragraph (a) below shall apply during the ozone control period of each year. Pursuant to 326 IAC 10-1, at all other times, the requirements of paragraph (b) below shall apply. The requirements of paragraph (c) below shall apply at all times.

- (a) Pursuant to 326 IAC 10-3, kiln #2 shall be equipped with low-NOx burners.
- (b) Pursuant to 326 IAC 10-1, NOx emissions from the dry preheater rotary cement kiln #2 (EU27) shall not exceed 5.9 pounds per ton of clinker produced on an operating day basis and 4.4 pounds per ton clinker produced on a thirty (30) day rolling average basis.
- (c) Pursuant to 326 IAC 10-1, NOx emissions from the long dry rotary cement kiln #1 (EU20) shall not exceed 10.8 pounds per ton of clinker produced on an operating day basis and six (6.0) pounds per ton of clinker produced on a thirty (30) day rolling average.

D.3.8 NSPS for Coal Preparation Plants [326 IAC 12] [40 CFR 60, Subpart Y]

- (a) The provisions of 40 CFR Part 60, Subpart A - General Provisions, which are incorporated by reference in 326 IAC 12-1, apply to the facilities listed in paragraph (b) below, and as described in this section except when otherwise specified in 40 CFR Part 60, Subpart Y.
- (b) Pursuant to 40 CFR 60, Subpart Y, the following conditions shall apply to the coal handling, milling, and storage facilities, including the coal (crusher) mill #2 (EU67), and the fuel oil-fired air heater for kiln #2 (EU69):
 - (1) The opacity from each of these facilities shall be less than 20 percent.
 - (2) The particulate matter emissions from the coal (crusher) mill #2 (EU67) shall not exceed 0.031 grains per dry standard cubic foot of exhaust air (0.070 g/dscm).
 - (3) The Permittee shall install, calibrate, maintain, and continuously operate a monitoring device for the measurement of the temperature of the gas stream at the exit of the coal (crusher) mill #2 (EU67) on a continuous basis. The monitoring device is to be certified by the manufacturer and be accurate within plus or minus 3 degrees Fahrenheit. The monitoring device shall be recalibrated annually in accordance with the procedures specified in 40 CFR 60.13(b).

D.3.9 Preventive Maintenance Plan [326 IAC 2-7-5(13)] [326 IAC 10-3] [40 CFR 63, Subpart LLL]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for all of the control devices listed in this section, and for the kilns and clinker coolers.

Compliance Determination Requirements

D.3.10 Testing Requirements [40 CFR 63, Subpart LLL] [326 IAC 20-27-1][326 IAC 2-7-6(1)(6)] [326 IAC 2-1.1-11]

- (a) The Permittee shall test kiln #1 (EU20), kiln #2 (EU27) and associated preheater, kiln #2 alkali bypass (EU28), clinker cooler #1 (EU22), clinker cooler #2 (EU29), kiln feed system #1 (EU19), kiln feed system #2 (EU26), kiln #2 coal dust silo (EU149), kiln #2 coal weigh system (EU150), and kiln #2 coal handling system (EU151) for PM emissions in order to demonstrate compliance with Conditions D.3.1 and D.3.2, utilizing methods as approved by the Commissioner. These tests shall be conducted within 180 days after the issuance of this Part 70 permit, or within 2.5 years after the last valid compliance demonstration, whichever is later. The tests to demonstrate compliance with Condition D.3.1 shall be repeated at least every 2.5 years from the date of this valid compliance demonstration. These tests shall be conducted in accordance with Section C - Performance Testing. All associated facilities exhausting to a single stack must all be operating when determining compliance with the limit.

- (b) Within 180 days after the issuance of this Part 70 permit the Permittee shall conduct a Method 5 stack test to determine compliance with the particulate matter emission limit for the coal (crusher) mill #2 (EU67) in Condition D.3.8. The Permittee shall conduct Method 9 opacity tests to determine compliance with the opacity limits for the fuel oil-fired air heater for kiln #2 coal mill (EU69) in Condition D.3.8. These tests shall be conducted in accordance with Section C - Performance Testing.
- (c) No later than 180 days after June 14, 2002, which is the compliance date for the Portland Cement Manufacturing Industry NESHAP, the Permittee shall demonstrate initial compliance with the opacity limits established in Condition D.3.5(c) for the kiln #1 feed system (EU19), the kiln #2 feed system (EU26), the coal (crusher) mill #1 (EU66), the coal (crusher) mill #2 (EU67), the fuel oil-fired air heater for kiln #1 coal mill (EU68), the fuel oil-fired air heater for kiln #2 coal mill (EU69), the kiln #2 coal dust silo (EU149), the kiln #2 coal weigh system (EU150), and the kiln #2 coal handling system (EU151) by conducting performance tests in accordance with 40 CFR 63.1349, Method 9 of 40 CFR Part 60, Appendix A, and Section C- Performance Testing. These tests shall be conducted in accordance with Section C - Performance Testing.
- (d) No later than 180 days after June 14, 2002, which is the compliance date for the Portland Cement Manufacturing Industry NESHAP, the Permittee shall demonstrate initial compliance with the PM and opacity limits established in Condition D.3.5(b) for clinker cooler #1 and clinker cooler #2 by conducting performance tests in accordance with 40 CFR 63.1349, Methods 5 and 9 of 40 CFR Part 60, Appendix A, and Section C- Performance Testing. These tests shall be repeated at least once every 5 years from the date of this valid compliance demonstration. These tests shall be conducted in accordance with Section C - Performance Testing.
- (e) No later than 180 days after June 14, 2002, which is the compliance date for the Portland Cement Manufacturing Industry NESHAP, the Permittee shall demonstrate initial compliance with the PM, opacity and dioxin/furan limits established in Condition D.3.5(a) for kiln #1 and kiln #2 by conducting performance tests in accordance with 40 CFR 63.1349 and Methods 5, 9 and 23 of 40 CFR Part 60, Appendix A, respectively and Section C - Performance Testing. These tests shall be repeated at least once every 5 years from the date of this valid compliance demonstration. The Permittee is also required to repeat the performance tests for particulate matter and dioxins/furans within 90 days of initiating any significant change in the feed or fuel from that used in the previous test. These tests shall be conducted in accordance with Section C - Performance Testing.
- (f) During each stack test required above, the following items shall be performed:
 - (1) Certified continuous opacity monitoring (COM) data shall be observed and recorded or EPA Method 9 opacity tests shall be performed.
 - (2) The kiln temperature and oxygen concentration shall be measured and recorded.
 - (3) The clinker production rate shall be measured and recorded.
 - (4) Pursuant to 326 IAC 3-6-3(b)(2) and 40 CFR 63.7(e), the tests shall be conducted under representative operating conditions.

- (5) Pursuant to 326 IAC 3-6-3(b), during the performance tests, each kiln and clinker cooler must be operating at 95 percent of its maximum production capacity or more, or under other capacities or conditions specified and approved by IDEM, to be considered a valid test.

D.3.11 Particulate Matter (PM)

Except as otherwise provided by statute, rule, or this permit, in order to comply with Conditions D.3.1, D.3.2, D.3.5, and D.3.8, the following conditions shall apply:

- (a) The baghouse 209 for PM control shall be in operation at all times and control emissions from the kiln #1 feed system when the kiln #1 feed system is in operation.
- (b) The baghouse 221 for PM control shall be in operation at all times and control emissions from the kiln #1 when the kiln #1 is in operation.
- (c) The baghouse 231 for PM control shall be in operation at all times and control emissions from the kiln #2 feed system when the kiln #2 feed system is in operation.
- (d) The baghouses 15 and 16, for PM control, shall be in operation at all times and control emissions from the kiln #2 and raw mill when the kiln #2 or the raw mill is in operation.
- (e) The baghouse 232 for PM control shall be in operation at all times and control emissions from the kiln #2 alkali bypass when the kiln #2 alkali bypass is in operation.
- (f) The baghouse 222 for PM control shall be in operation at all times and control emissions from the clinker cooler #1 when the clinker cooler #1 is in operation.
- (g) The baghouse 17 for PM control shall be in operation at all times and control emissions from the clinker cooler #2 when the clinker cooler #2 is in operation.
- (h) Each baghouse or filter controlling any of the coal handling, milling, and storage facilities shall be in operation at all times when the associated facility is in operation.

D.3.12 Sulfur Dioxide Emissions and Sulfur Content [326 IAC 2-7-5(A)] [326 IAC 2-7-6]

Pursuant to 326 IAC 7-2, the Permittee shall demonstrate that the sulfur dioxide emissions from coal combustion or simultaneous combustion of coal and oil, do not exceed six (6.0) pounds per MMBtu. Pursuant to 326 IAC 7-2, compliance with the limit in Condition D.3.3 shall be determined utilizing one of the following methods:

- (a) Coal sampling and analysis shall be performed using one of the following procedures:
 - (1) Minimum Coal Sampling Requirements and Analysis Methods [326 IAC 3-7-2(b)(3)]:
 - (A) The coal sample acquisition point shall be at a location where representative samples of the total coal flow to be combusted by the facility or facilities may be obtained. A single as-bunkered or as-burned sampling station may be used to represent the coal to be combusted by multiple facilities using the same stockpile feed system;
 - (B) Coal shall be sampled at least three (3) times per day and at least one (1) time per eight (8) hour period unless no coal is bunkered during the preceding eight (8) hour period;

- (C) Minimum sample size shall be five hundred (500) grams;
 - (D) Samples shall be composited and analyzed at the end of each calendar month;
 - (E) Preparation of the coal sample, heat content analysis, and sulfur content analysis shall be determined pursuant to 326 IAC 3-7-2(c), (d), and (e); or
- (2) Sample and analyze the coal pursuant to 326 IAC 3-7-2(a). Preparation of the coal sample heat content analysis, and sulfur content analysis shall be determined pursuant to 326 IAC 3-7-2(c), (d), and (e);
 - (3) Sample and analyze the coal pursuant to 326 IAC 3-7-3; or
- (b) Compliance may also be determined by conducting a stack test for sulfur dioxide emissions from the kilns, in accordance with 326 IAC 3-6, utilizing the procedures in 40 CFR 60, Appendix A, Method 6, 6A, 6C, and 8. [326 IAC 7-2-1(d)]
 - (c) Upon written notification to IDEM by a facility owner or operator, continuous emission monitoring data collected and reported pursuant to 326 IAC 3-5-1 may be used as the means for determining compliance with the emission limitations in 326 IAC 7-2. Upon such notification, the other requirements of 326 IAC 7-2 shall not apply. [326 IAC 7-2-1(g)]

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

D.3.13 Sulfur Dioxide Emissions and Sulfur Content [326 IAC 2-7-5(A)] [326 IAC 2-7-6]

Compliance with the limit in Condition D.3.3(b) and (c) shall be determined utilizing one of the following options.

- (a) Pursuant to 326 IAC 3-7-4, the Permittee shall demonstrate that the sulfur dioxide emissions do not exceed five-tenths (0.5) pounds per million Btu heat input by:
 - (1) Providing vendor analysis of fuel delivered, if accompanied by a vendor certification, or;
 - (2) Analyzing the oil sample to determine the sulfur content of the oil via the procedures in 40 CFR 60, Appendix A, Method 19.
 - (A) Oil samples may be collected from the fuel tank immediately after the fuel tank is filled and before any oil is combusted; and
 - (B) If a partially empty fuel tank is refilled, a new sample and analysis would be required upon filling.
- (b) Compliance may also be determined by conducting a stack test for sulfur dioxide emissions from each of the kilns and heaters, using 40 CFR 60, Appendix A, Method 6 in accordance with the procedures in 326 IAC 3-6.

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

D.3.14 Continuous Emissions Monitoring [326 IAC 3-5] [326 IAC 2-7-6(1),(6)] [40 CFR 63, Subpart LLL]
[326 IAC 10-1] [326 IAC 10-3]

- (a) Pursuant to 326 IAC 3-5 (Continuous Monitoring of Emissions), 326 IAC 2-1.1-11 and 40 CFR Part 63.1350 a continuous monitoring system shall be installed, calibrated, maintained, and operated for measuring the opacity from each of the kilns, pursuant to 326 IAC 3-5. The continuous monitoring system shall be installed and operational prior to conducting the performance tests required in Condition D.3.10.
- (b) Pursuant to 326 IAC 3-5 (Continuous Monitoring of Emissions), 326 IAC 2-1.1-11, 40 CFR Part 63, a continuous monitoring system shall be installed, calibrated, maintained, and operated for measuring opacity from both of the clinker coolers.
- (c) The continuous monitoring systems shall meet the performance specifications of 326 IAC 3-5-2, and shall demonstrate continuous compliance with Section C - Opacity, and Conditions D.3.5(a)(3) and (b)(2) and D.3.8(b).
- (d) The continuous opacity monitoring systems shall meet the performance specifications of 326 IAC 3-5-2 and 40 CFR 63.8(c).
- (e) Pursuant to 326 IAC 10-1 and 326 IAC 10-3, compliance with the NO_x limits for the kilns in Condition D.3.7, 326 IAC 10-1, and 326 IAC 10-3 shall be demonstrated by installing and operating a NO_x continuous emissions monitor (CEM) for each stack exhausting kiln emissions. The NO_x CEMs shall be certified according to procedures contained in 326 IAC 3 and 40 CFR 75 as applicable. IDEM has information that indicates that kiln #1 (EU20) is not in compliance with the requirement to certify the NO_x CEM as required by this condition. The OAQ will promptly reopen this permit using the provisions of 326 IAC 2-7-9 (Permit Reopening) to include detailed requirements necessary to comply with this rule and a schedule for achieving compliance with such requirements.
- (f) In order for kiln #2 to come into compliance with the requirements of 326 IAC 10-1, the Permittee shall install, calibrate, maintain, and operate a NO_x continuous emissions monitor (CEM) on the stack identified as EP23 for the elevator/dust tank (alkali bypass) identified as EU28 on kiln #2, within 12 months after the date of issuance of this permit. The NO_x CEMs shall be certified according to procedures contained in 326 IAC 3 and 40 CFR 75 as applicable.
- (g) In the event that a nitrogen oxide CEMS fails, the Permittee shall monitor the oxygen content and temperature of the kiln exhaust at least once per hour. If the oxygen content or temperature is outside the range established in the latest compliance stack test, the Permittee shall take reasonable response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a deviation from this permit.

D.3.15 NESHAP Monitoring Requirements [40 CFR 63, Subpart LLL][326 IAC 20-27-1]

- (a) Pursuant to 40 CFR 63.1350 (Monitoring Requirements), on and after June 14, 2002, which is the compliance date for the National Emission Standards for Hazardous Air Pollutants (NESHAP) from the Portland Cement Manufacturing Industry, the Permittee shall perform the following monitoring requirements:
 - (1) The Permittee shall have prepared written operations and maintenance plans for kiln #1, kiln #2, clinker cooler #1, and clinker cooler #2. The plans shall include the following information:

- (A) Procedures for proper operation and maintenance of kiln #1, kiln #2, clinker cooler #1, clinker cooler #2, and all associated air pollution control device(s) in order to meet the emissions limits in Condition D.3.5; and
- (B) Procedures to be used during an inspection of the components of the combustion system of kiln #1 and kiln #2 at least once per year.

Failure to comply with any provision of the operations and maintenance plan shall be a violation of the standard.

- (2) The Permittee shall conduct an inspection of the components of the combustion system of kiln #1 and kiln #2 at least once per year.
 - (3) The Permittee shall continuously monitor opacity of emissions at the outlet of the PM control device for the kiln #1, kiln #2, clinker cooler #1, and clinker cooler #2. The COMs required by Condition D.3.14 shall be used to monitor opacity emissions in accordance with the NESHAP and shall be installed, maintained, calibrated and operated as required by 40 CFR 63, Subpart A and according to 40 CFR 60, Appendix B, PS-1.
 - (4) The Permittee shall install, calibrate, maintain, and continuously operate a continuous monitor to record the temperature of the exhaust gases from kiln #1 and kiln #2 at the inlet to, or upstream of the kiln's PM control device.
 - (A) The recorder response range must include zero and 1.5 times either of the average temperatures established according to the requirements in 40 CFR 63.1349(b)(3)(iv).
 - (B) The reference method must be a National Institute of Standards and Technology calibrated reference thermocouple-potentiometer system or alternate reference, subject to approval by the Administrator.
 - (C) The three-hour rolling average temperature shall be calculated as the average of 180 successive one-minute average temperatures.
 - (D) Periods of time when one-minute averages are not available shall be ignored when calculating three-hour rolling averages. When one-minute averages become available, the first one-minute average is added to the previous 179 values to calculate the three-hour rolling average.
 - (E) The calibration of all thermocouples and other temperature sensors shall be verified at least once every three months.
- (b) Pursuant to 40 CFR 63.1350 (Monitoring Requirements), the Permittee shall prepare a written operations and maintenance plan for the kiln #1 feed system (EU19), the kiln #2 feed system (EU26), the coal (crusher) mill #1 (EU66), the coal (crusher) mill #2 (EU67), the fuel oil-fired air heater for kiln #1 coal mill (EU68), the fuel oil-fired air heater for kiln #2 coal mill (EU69), the kiln #2 coal dust silo (EU149), the kiln #2 coal weigh system (EU150), and the kiln #2 coal handling system (EU151) by June 14, 2002, which is the compliance date for the National Emission Standards for Hazardous Air Pollutants (NESHAP) from the Portland Cement Manufacturing Industry. The plan shall include the following information:

- (1) Procedures for proper operation and maintenance of the affected sources and associated air pollution control device(s) in order to meet the emissions limit in Condition D.3.5; and
- (2) Procedures to be used to periodically monitor the facilities listed in this section, which are subject to opacity standards under 40 CFR 63.1348. Such procedures must include the following provisions:
 - (A) The Permittee shall conduct a monthly 1-minute visible emissions test of each affected source, in accordance with 40 CFR 60, Appendix A, Method 22. The test must be conducted while the affected source is in operation.
 - (B) If no visible emissions are observed in six consecutive monthly tests for any affected source, the Permittee may decrease the frequency of testing from monthly to semi-annually for that affected source. If visible emissions are observed during any semi-annual test, the Permittee shall resume testing of that affected source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.
 - (C) If no visible emissions are observed during the semi-annual test for any affected source, the Permittee may decrease the frequency of testing from semi-annually to annually for that affected source. If visible emissions are observed during any annual test, the Permittee shall resume testing of that affected source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.
 - (D) If visible emissions are observed during any Method 22 test, the Permittee must conduct a 6-minute test of opacity in accordance with 40 CFR 60, Appendix A, Method 9. The Method 9 test must begin within one hour of any observation of visible emissions.
- (3) Corrective actions to be taken when required by paragraph (b).

Failure to comply with any provision of the operations and maintenance plan shall be a violation of the standard.

- (c) Pursuant to 40 CFR 63.1350 (Monitoring Requirements), the Permittee shall monitor opacity from the raw mills by conducting daily visual emissions observations of the mill sweep and air separator particulate matter control devices (PMCDs), in accordance with the procedures of 40 CFR 60, Appendix A, Method 22. The Method 22 test shall be conducted while the affected source is operating at the representative performance conditions. The duration of the Method 22 test shall be six minutes. If visible emissions are observed during any Method 22 visible emissions test, the Permittee must initiate, within one (1) hour, the corrective actions specified in the site specific operations and maintenance plan developed in accordance with 40 CFR 63.1350(a)(1) and (a)(2); and conduct a follow-up Method 22 test. If visible emissions are observed, then within 24 hours of the end of the Method 22 test in which the visible emissions were observed, the Permittee must conduct a follow-up Method 22 test of each stack from which visible emissions were observed during the previous Method 22 test. If visible emissions are observed during the follow-up Method 22 test, the Permittee must conduct a visual opacity test of each stack from which visible emissions were observed during the follow-up Method 22 test, in accordance with 40 CFR 60, Appendix A, Method 9. The duration of

the Method 9 test shall be thirty (30) minutes.

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

D.3.16 Opacity Readings

The ability of each ESP and baghouse to control particulate emissions from the kilns and clinker coolers shall be monitored by continuously measuring and recording the opacity of emissions from the stack exhausts. The opacity shall be determined by the certified continuous opacity monitor required in Condition D.3.14.

- (a) Whenever a continuous opacity monitor (COM) is malfunctioning or will be down for calibration, maintenance, or repairs for a period of one (1) hour or more, compliance with the applicable opacity limits shall be demonstrated by the following:
 - (1) Visible emission (VE) notations shall be performed once per hour during daylight operations following the shutdown or malfunction of the primary COM. A trained employee shall record whether emissions are normal or abnormal for the state of operation of the emission unit at the time of the reading.
 - (A) 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.
 - (B) If abnormal emissions are noted during two consecutive emission notations, the Permittee shall begin Method 9 opacity observations within four hours of the second abnormal notation.
 - (C) VE notations may be discontinued once a COM is online or formal Method 9 readings have been implemented.
 - (2) If a COM is not online within twenty-four (24) hours of shutdown or malfunction of the primary COM, the Permittee shall provide certified opacity reader(s), who may be employees of the Permittee or independent contractors, to self-monitor the emissions from the emission unit stack.
 - (A) Visible emission readings shall be performed in accordance with 40 CFR 60, Appendix A, Method 9, for a minimum of five (5) consecutive six (6) minute averaging periods beginning not more than twenty-four (24) hours after the start of the malfunction or down time.
 - (B) Method 9 opacity readings shall be repeated for a minimum of five (5) consecutive six (6) minute averaging periods at least once every four (4) hours during daylight operations, until such time that a COM is in operation.
 - (C) Method 9 readings may be discontinued once a COM is online.
 - (D) Any opacity exceedances determined by Method 9 readings shall be reported with the Quarterly Opacity Exceedances Reports.
 - (3) If abnormal emissions are observed, the Permittee shall take reasonable response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports. Observation of abnormal emissions that do not violate an applicable opacity limit is not a deviation from this permit. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a deviation from this permit.

- (b) Nothing in this permit shall excuse the Permittee from complying with the requirements to operate a continuous opacity monitoring system pursuant to 326 IAC 3-5 and 40 CFR 63, Subpart LLL.

D.3.17 Method 9 Opacity Readings and Visible Emissions Notations

The emission units and associated baghouses for which continuous opacity monitors are not used shall comply with the following requirements:

- (a) Visible emission notations of the baghouse stack exhausts shall be performed once per shift during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are present.
- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
- (e) If visible emissions are present at any baghouse stack for which a COM is not required, the Permittee shall implement the appropriate procedures as set out in its Compliance Response Plan for such facility. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a deviation from this permit.

D.3.18 Baghouse Parametric Monitoring

The Permittee shall record the total static pressure drop across each baghouse, at least once per shift when the associated facility is in operation. When for any one reading, the pressure drop across a baghouse is outside the normal range of 1.0 to 8.0 inches of water or the range established during the most recent stack test, the Permittee shall take reasonable response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports. A pressure reading that is outside the normal range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a deviation from this permit.

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

D.3.19 Baghouse and ESP Inspections

- (a) An inspection shall be performed each calendar quarter of all bags controlling the facilities listed in this section. Inspections required by this condition shall not be performed in consecutive months. All defective bags shall be replaced.
- (b) In order to document compliance with the applicable PM and dioxin/furan limits specified in Condition D.3.5 the following inspections shall be performed for each ESP during each annual shutdown, but no less often than once every 14 months, in accordance with the Preventive Maintenance Plan prepared in accordance with Section B - Preventive Maintenance Plan:

- (1) Plate and electrode alignment;
- (2) ESP component/controller failure;
- (3) Air and water infiltration; and
- (4) Calibration of the instruments used to determine the T-R set current and voltages.

All inspections shall be made whenever there is an outage of any nature lasting more than three days unless such measurements have been taken within the past three months.

Appropriate response steps for any failures, malfunctions, or abnormal conditions in the above list found during the inspection shall be taken in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a deviation from this permit.

D.3.20 Broken or Failed Bag Detection

In the event that bag failure has been observed.

- (a) For multi-compartment units, the affected compartments will be shut down immediately until the failed units have been repaired or replaced. Within eight (8) business hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) business hours of discovery of the failure and shall include a timetable for completion. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a deviation from this permit. If operations continue after bag failure is observed and it will be 10 days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.
- (b) For single compartment baghouses, if failure is indicated by a significant drop in the baghouse's pressure readings with visible emissions present 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 the failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

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

D.3.21 Record Keeping Requirements

- (a) To document compliance with Condition D.3.3, D.3.12 and D.3.13, the Permittee shall maintain records in accordance with (1) through (4) below. Records maintained for (1) through (4) shall be taken on a calendar month average and shall be complete and sufficient to establish compliance with the SO₂ emission limits established in Condition D.3.3.

- (1) Calendar dates covered in the compliance determination period;
 - (2) Actual coal and oil usages since last compliance determination period;
 - (3) Sulfur content and heat content of both coal and oil used;
 - (4) Sulfur dioxide emission rates.
- (b) Pursuant to 326 IAC 3-7-5(a), the Permittee shall develop a standard operating procedure (SOP) to be followed for sampling, handling, analysis, quality control, quality assurance, and data reporting of the information collected pursuant to 326 IAC 3-7-2 through 326 IAC 3-7-4. In addition, any revision to the SOP shall be submitted to IDEM, OAQ.
- (c) To document compliance with Conditions D.3.14 through D.3.19, the Permittee shall maintain records in accordance with (1) through (9) below. Records shall be complete and sufficient to establish compliance with the limits established in this section.
- (1) Data and results from the most recent stack tests.
 - (2) All continuous emissions monitoring data.
 - (3) The results of all baghouse inspections and the type and number of parts replaced.
 - (4) Visible emission notations once per shift for all baghouses.
 - (5) Method 9 opacity readings for the kilns and clinker coolers whenever required by this permit.
 - (6) Once per shift records of the pressure drop of each baghouse during normal operation when venting to the atmosphere.
 - (7) All preventive maintenance measures taken.
 - (8) All response steps taken and the outcome for each.
- (d) To document compliance with the NESHAP 40 CFR 63, Subpart LLL, the Permittee shall maintain all records required by 40 CFR 63.1355. These records include the following:
- (1) The Permittee shall maintain files of all information (including all reports and notifications) required by 40 CFR 63.1355(a) recorded in a form suitable and readily available for inspection and review as required by 40 CFR 63.10(b)(1).
 - (2) The Permittee shall maintain records for each affected source as required by 40 CFR 63.10(b)(2) and (3) including:
 - (i) All documentation supporting initial notifications and notifications of compliance status under 40 CFR 63.9.
 - (ii) All records of applicability determination, including supporting analyses.
 - (3) The Permittee shall maintain all records of continuous monitoring system data required by 40 CFR 63.10(c).

- (e) In order to document compliance with Condition D.3.5(a)(4), (5), and (6), the Permittee shall keep records of all times when the raw mill is in operation and all times when the kiln #2 is in operation.
- (f) To document compliance with 40 CFR 60.250, NSPS, Subpart Y, the Permittee shall maintain records of the monitoring device measurements of the temperature of the gas stream at the exit of the thermal dryer on a continuous basis. Records shall be complete and sufficient to establish compliance with the requirements of Subpart Y.
- (g) To document compliance with Condition D.3.9, the Permittee shall maintain records of any additional inspections prescribed by the Preventive Maintenance Plan.
- (h) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.3.22 Reporting Requirements

- (a) A quarterly summary of the information to document compliance with the SO₂ limits specified in Condition D.3.3 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or its equivalent, within thirty (30) days after the end of the quarter being reported. These reports submitted by the Permittee do require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (b) Pursuant to 326 IAC 10-1 and 326 IAC 10-3, CEM performance evaluation reports shall be submitted each calendar quarter.
- (c) Pursuant to 326 IAC 10-1, the source shall notify the OAQ at least thirty (30) days prior to the addition or modification of a facility that may result in a potential increase in NO_x emissions.
- (d) Pursuant to 326 IAC 10-1, the source may comply with the reporting requirements of 326 IAC 10-1 by submitting to the OAQ a substitute report. A substitute report is a report that satisfies an applicable state or federal reporting requirement and contains the information required to be submitted by this rule.
- (e) A quarterly summary of excess opacity emissions, as defined in 326 IAC 3-5-7, from the continuous monitoring system, shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, within thirty (30) days after the end of the quarter being reported. The excess opacity summary shall also be submitted in accordance with 40 CFR 63.1354(8) (beginning June 14, 2002).
- (f) Beginning June 14, 2002, the Permittee shall submit a continuous monitoring system (CMS) performance report with the excess opacity summaries, in accordance with 40 CFR 63.1354(8) and 40 CFR 63, Subpart A.
- (g) Beginning June 14, 2002, the Permittee shall submit a semi-annual summary report which contains the information specified in 40 CFR 63.10(e)(3)(vi), as well as the following:
 - (1) All exceedances of maximum control device inlet gas temperature limits specified in Condition D.3.5.

- (2) All failures to calibrate thermocouples and other temperature sensors as required under 40 CFR 63.1350(f)(7).
- (3) The results of any combustion system component inspections conducted within the reporting period as required by Condition D.3.15.
- (4) All failures to comply with any provision of the operation and maintenance plan developed in accordance with 40 CFR 63.1350(a).

If the total continuous monitoring system (CMS) downtime for any CEM or any CMS for the reporting period is ten percent or greater of the total operating time for the reporting period, the Permittee shall submit an excess emissions and CMS performance report along with the summary report.

- (h) To document compliance with the NESHAP 40 CFR 63, Subpart LLL, the Permittee shall report the information required by 40 CFR 63.1354, including, but not limited to the following:
 - (1) The plan required by Condition D.3.15 shall be submitted to IDEM, OAQ and U.S. EPA by June 14, 2002, which is the compliance date for the National Emission Standards for Hazardous Air Pollutants (NESHAP) from the Portland Cement Manufacturing Industry.
 - (2) As required by 40 CFR 63.10(d)(2), the Permittee shall report the results of performance tests as part of the notification of compliance status, required in Section C - NESHAP Notification and Reporting Requirements.
 - (3) As required by 40 CFR 63.10(d)(3), the Permittee shall report the opacity results from tests required by 40 CFR 63.1349.
 - (4) As required by 40 CFR 63.10(d)(5), if actions taken by the Permittee during a startup, shutdown, or malfunction of an affected source (including actions taken to correct a malfunction) are consistent with the procedures specified in the source's startup, shutdown, and malfunction plan specified in 40 CFR 63.6(e)(3), the Permittee shall state such information in a semiannual report. Reports shall only be required if a startup, shutdown, or malfunction occurred during the reporting period. The startup, shutdown, and malfunction report may be submitted simultaneously with the excess emissions and continuous monitoring system performance reports.
 - (5) Pursuant to 40 CFR 63.10(d)(5)(ii), any time an action taken by the Permittee during a startup, shutdown, or malfunction (including actions taken to correct a malfunction) is not consistent with the procedures in the startup, shutdown, and malfunction plan, and the source exceeds any applicable emission limitation in the relevant emission standard, the Permittee shall report the actions taken for that event within 2 working days after commencing actions inconsistent with the plan, by telephone call to the OAQ Compliance Section at (317) 233-5674 or facsimile (FAX) transmission at (317) 233-6865. The immediate report shall be followed by a letter within 7 working days after the end of the event, certified by the Permittee, explaining the circumstances of the event, the reasons for not following the startup, shutdown, and malfunction plan, and whether any excess emissions and/or parameter monitoring exceedances are believed to have occurred.

- (i) In addition to being submitted to the address listed in Section C - General Reporting Requirements, all reports submitted pursuant to 40 CFR 63, Subpart A shall also be submitted to the U.S. EPA at the following address:

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

Pursuant to 40 CFR 63.10(d)(5)(i) and (ii), the reports submitted by the Permittee shall include the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

SECTION D.4 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)] Insignificant Activity
Degreasing operations
Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6

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

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

D.4.1 Volatile Organic Compounds (VOC) [326 IAC 8-3-2]

Pursuant to 326 IAC 8-3-2 (Cold Cleaner Operations) for cold cleaning operations constructed after January 1, 1980, the Permittee shall:

- (a) Equip the cleaner with a cover;
- (b) Equip the cleaner with a facility for draining cleaned parts;
- (c) Close the degreaser cover whenever parts are not being handled in the cleaner;
- (d) Drain cleaned parts for at least fifteen (15) seconds or until dripping ceases;
- (e) Provide a permanent, conspicuous label summarizing the operation requirements;
- (f) Store waste solvent only in covered containers and not dispose of waste solvent or transfer it to another party, in such a manner that greater than twenty percent (20%) of the waste solvent (by weight) can evaporate into the atmosphere.

D.4.2 Volatile Organic Compounds (VOC) [326 IAC 8-3-5]

- (a) Pursuant to 326 IAC 8-3-5(a) (Cold Cleaner Degreaser Operation and Control), for a cold cleaner degreaser facility construction of which commenced after July 1, 1990, the Permittee shall ensure that the following control equipment requirements are met:
 - (1) Equip the degreaser with a cover. The cover must be designed so that it can be easily operated with one (1) hand if:
 - (A) The solvent volatility is greater than two (2) kiloPascals (fifteen (15) millimeters of mercury or three-tenths (0.3) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F));
 - (B) The solvent is agitated; or
 - (C) The solvent is heated.
 - (2) Equip the degreaser with a facility for draining cleaned articles. If the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F)), then the drainage facility must be internal such that articles are enclosed under the cover while draining. The drainage facility may be external for applications where an internal type cannot fit into the cleaning system.

- (3) Provide a permanent, conspicuous label which lists the operating requirements outlined in subsection (b).
 - (4) The solvent spray, if used, must be a solid, fluid stream and shall be applied at a pressure which does not cause excessive splashing.
 - (5) Equip the degreaser with one (1) of the following control devices if the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38^oC) (one hundred degrees Fahrenheit (100^oF)), or if the solvent is heated to a temperature greater than forty-eight and nine-tenths degrees Celsius (48.9^oC) (one hundred twenty degrees Fahrenheit (120^oF)):
 - (A) A freeboard that attains a freeboard ratio of seventy-five hundredths (0.75) or greater.
 - (B) A water cover when solvent is used is insoluble in, and heavier than, water.
 - (C) Other systems of demonstrated equivalent control such as a refrigerated chiller or carbon adsorption. Such systems shall be submitted to the U.S. EPA as a SIP revision.
- (b) Pursuant to 326 IAC 8-3-5(b) (Cold Cleaner Degreaser Operation and Control), for a cold cleaning facility construction of which commenced after July 1, 1990, the Permittee shall ensure that the following operating requirements are met:
- (1) Close the cover whenever articles are not being handled in the degreaser.
 - (2) Drain cleaned articles for at least fifteen (15) seconds or until dripping ceases.
 - (3) Store waste solvent only in covered containers and prohibit the disposal or transfer of waste solvent in any manner in which greater than twenty percent (20%) of the waste solvent by weight could evaporate.

D.4.3 Material Requirements for Cold Cleaning Degreasers [326 IAC 8-3-8]

Pursuant to 326 IAC 8-3-8 (Organic Solvent Degreasing Operations: material requirements for cold cleaning degreasers), the following conditions shall apply:

- (a) The source shall not operate a cold cleaning degreaser with a solvent vapor pressure that exceeds one (1) millimeter of mercury (nineteen-thousandths (0.019) pound per square inch) measured at twenty (20) degrees Celsius (sixty-eight (68) degrees Fahrenheit).
- (b) The source shall maintain the following records for each purchase:
 - (1) the name and address of the solvent supplier;
 - (2) the date of purchase;
 - (3) the type of solvent;
 - (4) the volume of each unit of solvent;

(5) the total volume of the solvent; and

- (6) the true vapor pressure of the solvent measured in millimeters of mercury at twenty (20) degrees Celsius (sixty-eight (68) degrees Fahrenheit).

D.4.4 Determinations of Nonapplicability [40 CFR 63.460 (Subpart T)] [40 CFR 60, Subparts A and F] [40 CFR 63, Subparts A and LLL]

- (a) None of the parts washers specifically listed in this section are subject to the requirements of the National Emissions Standards for Hazardous Air Pollutants (NESHAP) 326 IAC 20-1, 40 CFR 63.460 (Subpart T) because they do not utilize a solvent containing methylene chloride, perchloroethylene, trichloroethylene, 1,1,1-trichloroethane, carbon tetrachloride, or chloroform, or any combination of these halogens, in a total concentration greater than five percent by weight.
- (b) The parts washers at this source are not subject to the requirements of the New Source Performance Standards (NSPS), 40 CFR 60, Subparts A and F (Standards of Performance for Portland Cement Plants) because they are not considered affected facilities under this rule.
- (c) The parts washers at this source are not subject to the requirements of the National Emissions Standards for Hazardous Air Pollutants (NESHAP) 40 CFR 63 Subparts A and LLL, because they are not considered affected facilities under this rule.

SECTION D.5

FACILITY OPERATION CONDITIONS

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

- (a) underground conveyors; [326 IAC 6-1-2]
- (b) coal bunker and coal scale exhausts and associated dust collector vents; [326 IAC 6-1-2]

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

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

D.5.1 Particulate Matter (PM) [326 IAC 6-1-2]

Pursuant to 326 IAC 6-1-2 (Nonattainment Area Particulate Limitations) the allowable PM emission rate from each of the underground conveyors, the coal bunker, and coal scale shall not exceed 0.03 grains per dry standard cubic foot of exhaust air.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION
PART 70 OPERATING PERMIT
CERTIFICATION**

Source Name: ESSROC Cement Corporation
Source Address: Highway 31, Speed, Indiana 47172
Mailing Address: Highway 31, Speed, Indiana 47172
Part 70 Permit No.: T019-6016-00008

**This certification shall be included when submitting monitoring, testing reports/results
or other documents as required by this permit.**

Please check what document is being certified:

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

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

Signature:

Printed Name:

Title/Position:

Phone:

Date:

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE BRANCH
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
Phone: 317-233-0178
Fax: 317-233-6865**

**PART 70 OPERATING PERMIT
EMERGENCY OCCURRENCE REPORT**

Source Name: ESSROC Cement Corporation
Source Address: Highway 31, Speed, Indiana 47172
Mailing Address: Highway 31, Speed, Indiana 47172
Part 70 Permit No.: T019-6016-00008

This form consists of 2 pages

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- | |
|---|
| <p><input type="checkbox"/> This is an emergency as defined in 326 IAC 2-7-1(12)</p> <ul style="list-style-type: none">• The Permittee must notify the Office of Air Quality (OAQ), within four (4) business hours (1-800-451-6027 or 317-233-0178, ask for Compliance Section); and• The Permittee must submit notice in writing or by facsimile within two (2) working days (Facsimile Number: 317-233-6865), and follow the other requirements of 326 IAC 2-7-16. |
|---|

If any of the following are not applicable, mark N/A

Facility/Equipment/Operation:
Control Equipment:
Permit Condition or Operation Limitation in Permit:
Description of the Emergency:
Describe the cause of the Emergency:

If any of the following are not applicable, mark N/A

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Date/Time Emergency started:
Date/Time Emergency was corrected:
Was the facility being properly operated at the time of the emergency? Y N Describe:
Type of Pollutants Emitted: TSP, PM-10, SO ₂ , VOC, NO _x , CO, Pb, other:
Estimated amount of pollutant(s) emitted during emergency:
Describe the steps taken to mitigate the problem:
Describe the corrective actions/response steps taken:
Describe the measures taken to minimize emissions:
If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value:

Form Completed by:

Title / Position:

Date:

Phone:

A certification is not required for this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION**

Part 70 Quarterly Report for Use When Combusting Only Coal

Source Name: ESSROC Cement Corporation
Source Address: Highway 31, Speed, Indiana 47172
Mailing Address: Highway 31, Speed, Indiana 47172
Part 70 Permit No.: T019-6016-00008
Facility: Kilns #1 and 2
Parameter: Sulfur Dioxide (SO₂)
Limit: 6.0 pounds per million Btu heat input

FACILITY: _____ YEAR: _____

Month	Monthly Average Coal Sulfur Content (%)	Monthly Average Coal Heat Content (MMBtu/lb)	Coal Consumption (Tons)	Equivalent Sulfur Dioxide Emissions (lbs/MMBtu)

- No deviation occurred in this quarter.
- Deviation/s occurred in this quarter.
Deviation has been reported on:

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

Attach a signed certification to complete this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION**

Part 70 Quarterly Report for Use When Combusting Only Fuel Oil

Source Name: ESSROC Cement Corporation
Source Address: Highway 31, Speed, Indiana 47172
Mailing Address: Highway 31, Speed, Indiana 47172
Part 70 Permit No.: T019-6016-00008
Facility: Kilns #1 and 2
Parameter: Sulfur Dioxide (SO₂) from fuel oil combustion
Limit: 0.5 pounds per million Btu heat input

FACILITY: _____ YEAR: _____

Month	Monthly Average Fuel Oil Sulfur Content (%)	Monthly Average Fuel Oil Heat Content (MMBtu/lb)	Fuel Oil Consumption (Gallons)	Equivalent Sulfur Dioxide Emissions (lbs/MMBtu)

- No deviation occurred in this quarter.
- Deviation/s occurred in this quarter.
Deviation has been reported on:

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

Attach a signed certification to complete this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR QUALITY COMPLIANCE DATA SECTION

Part 70 Quarterly Report for Use When Combusting Coal and Fuel Oil Simultaneously

Source Name: ESSROC Cement Corporation
 Source Address: Highway 31, Speed, Indiana 47172
 Mailing Address: Highway 31, Speed, Indiana 47172
 Part 70 Permit No.: T019-6016-00008
 Facility: Kilns #1 and 2
 Parameter: Sulfur Dioxide (SO₂) from the simultaneous combustion of coal and oil
 Limit: 6.0 pounds per million Btu heat input

Compliance with the SO₂ limit shall be determined using the following equation:

$$\text{SO}_2 \text{ emissions (lbs/MMBtu)} = (\text{Fuel oil usage} \times \text{EF coefficient} \times \text{fuel oil sulfur content} + \text{coal usage} \times \text{EF coefficient} \times \text{coal sulfur content}) / (\text{fuel oil usage} \times \text{HHV oil} + \text{coal usage} \times \text{HHV coal}).$$

FACILITY: _____ YEAR: _____

Month	Monthly Average Sulfur Content (%)		Monthly Average Heat Content (MMBtu/lb)		Month Fuel Consumption		Equivalent Sulfur Dioxide Emissions (lbs/MMBtu)
	Coal	Fuel Oil	Coal	Fuel Oil	Coal (tons)	Fuel Oil (gallons)	This Month
1							
2							
3							

- No deviation occurred in this quarter.
- Deviation/s occurred in this quarter.
 Deviation has been reported on:

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

Attach a signed certification to complete this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR QUALITY COMPLIANCE DATA SECTION

Part 70 Quarterly Report

Source Name: ESSROC Cement Corporation
Source Address: Highway 31, Speed, Indiana 47172
Mailing Address: Highway 31, Speed, Indiana 47172
Part 70 Permit No.: T019-6016-00008
Facility: fuel oil-fired furnaces (EU13, EU68, and EU69)
Parameter: Sulfur Dioxide (SO₂)
Limit: 0.5 pounds per million Btu heat input

FACILITY: _____ YEAR: _____

Month	Monthly Average Fuel Oil Sulfur Content (%)	Monthly Average Fuel Oil Heat Content (MMBtu/lb)	Fuel Oil Consumption (Gallons)	Equivalent Sulfur Dioxide Emissions (lbs/MMBtu)

No deviation occurred in this quarter.

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

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

Attach a signed certification to complete this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF AIR QUALITY
 COMPLIANCE DATA SECTION**

Part 70 Quarterly Report

Source Name: ESSROC Cement Corporation
 Source Address: Highway 31, Speed, Indiana 47172
 Mailing Address: Highway 31, Speed, Indiana 47172
 Part 70 Permit No.: T019-6016-00008
 Facility: quarry drilling
 Parameter: number of holes drilled
 Limit: 38,000 per 12 consecutive month period

YEAR:

Facility	Month	Column 1	Column 2	Column 1 + Column 2
		This Month	Previous 11 Months	12 Month Total
quarry drilling	Month 1			
	Month 2			
	Month 3			

No deviation occurred in this quarter.

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

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

A certification is required for this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION**

**PART 70 OPERATING PERMIT
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT**

Source Name: ESSROC Cement Corporation
Source Address: Highway 31, Speed, Indiana 47172
Mailing Address: Highway 31, Speed, Indiana 47172
Part 70 Permit No.: T019-6016-00008

Months: _____ to _____ Year: _____

Page 1 of 2

This report shall be submitted quarterly based on a calendar year. Any deviation from the requirements, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. Deviations that are required to be reported by an applicable requirement shall be reported according to the schedule stated in the applicable requirement and do not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".	
<input type="checkbox"/> NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.	
<input type="checkbox"/> THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

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

Form Completed By:

Title/Position:

Date:

Phone:

Attach a signed certification to complete this report.