INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

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

TO: Interested Parties / Applicant

DATE: November 23, 2009

RE: Lone Star Industries / 133-28560-00002

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

Notice of Decision: Approval - Effective Immediately

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to IC 13-17-3-4 and 326 IAC 2, this approval is effective immediately, unless a petition for stay of effectiveness is filed and granted, and may be revoked or modified in accordance with the provisions of IC 13-15-7-1.

If you wish to challenge this decision, IC 4-21.5-3-7 and IC 13-15-7-3 require that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office Environmental Adjudication, 100 North Senate Avenue, Government Center North, Suite N 501E, Indianapolis, IN 46204, **within eighteen (18) calendar days of the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

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

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

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

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

Enclosures
FNPER-MOD.dot 12/3/07

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November 23,2009

Mr. Robert West
Lone Star Industries, Inc., dba Buzzi Unicem USA
P.O. Box 486
Greencastle, IN 46135

Re: 133-28560-00002
Minor Source Modification to:
Part 70 Permit No.: T133-26830-00002

Dear Mr. Robert West:

Lone Star Industries, Inc., dba Buzzi Unicem USA, was issued Part 70 Operating Permit T133-26830-00002 on June 17, 2009 for a stationary portland cement manufacturing plant. An application to modify the source was received on October 13, 2009. Pursuant to 326 IAC 2-7-10.5, the following emission units are approved for construction at the source:

Synthetic Gypsum Handling Process:

(a) One (1) synthetic gypsum transporting system, identified as 1-47;

(b) Two (2) outdoor synthetic gypsum storage piles, identified as 62 and 64, with a nominal throughput of 268,056 tons per year, using wet suppression to control particulate emissions;

(c) Three (3) synthetic gypsum hoppers, twelve (12) screw conveyors, three (3) weigh belts, and three (3) tubular drag conveyors with a nominal throughput of 10.2 tons per hour each; and

Portable Screen and Conveyor Unit:

(d) One (1) portable screen and conveyor unit for the sizing of plant materials with a nominal throughput of 100 tons per hour, including reclamation of partially formatted clinker product, including the following units:

(1) One (1) vibrating feeder

(2) One (1) portable vibrating screen

(3) One (1) conveyor belt

Under 40 CFR 60, Subpart OOO, this is considered an affected facility.

The following construction conditions are applicable to the proposed project:

General Construction Conditions

1. The data and information supplied with the application shall be considered part of this source modification approval. Prior to any proposed change in construction which may

affect the potential to emit (PTE) of the proposed project, the change must be approved by the Office of Air Quality (OAQ).

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

3. Effective Date of the Permit
Pursuant to IC 13-15-5-3, this approval becomes effective upon its issuance.

4. Pursuant to 326 IAC 2-1.1-9 and 326 IAC 2-7-10.5(i), the Commissioner may revoke this approval if construction is not commenced within eighteen (18) months after receipt of this approval or if construction is suspended for a continuous period of one (1) year or more.

5. All requirements and conditions of this construction approval shall remain in effect unless modified in a manner consistent with procedures established pursuant to 326 IAC 2.

6. Pursuant to 326 IAC 2-7-10.5(l), the emission units constructed under this approval shall not be placed into operation prior to revision of the source's Part 70 Operating Permit to incorporate the required operation conditions.

The source may begin construction when the source modification has been issued. The source must comply with the requirements of 326 IAC 2-7-10.5(l)(2) and 326 IAC 2-7-12 before operation of any of the proposed emission units can begin.

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 call (800) 451-6027, and ask for Michael S. Brooks or extension 4-3533, or dial (317) 234-3533.

Sincerely,

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

Attachments

MSB

cc: File - Putnam County
U.S. EPA, Region V
Putnam County Health Department
Compliance and Enforcement Branch

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Part 70 Operating Permit Renewal
OFFICE OF AIR QUALITY

Lone Star Industries, Inc., dba Buzzi Unicem USA
3301 South County Road 150 West
Greencastle, Indiana 46135

(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.

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

Minor Source Modification No.: 133-28560-00002	
Issued by: Chrystal A. Wagner, Section Chief Permits Branch Office of Air Quality	Issuance Date: November 23,2009

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SECTION A SOURCE SUMMARY

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

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

The Permittee owns and operates a stationary portland cement manufacturing plant.

Source Address:	3301 South County Road 150 West, Greencastle, Indiana 46135
Mailing Address:	P.O. Box 486, Greencastle, IN 46135
General Source Phone Number:	(765) 653-8816
SIC Code:	3241
County Location:	Putnam
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Part 70 Operating Permit Program Major Source, under PSD Rules Major Source, Section 112 of the Clean Air Act 1 of 28 Source Categories

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

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

(a) Quarry Activities:

(1) Removal and transfer of overburden material, drilling and blasting of limestone, and loading of raw materials using mobile equipment.

(b) Raw Material Sizing Activities:

(1) One (1) primary crusher, identified as Point 1-8 (201G) and one (1) vibrating feeder, identified as Point 1-9A (201V); both constructed in 1969, modified in 1998 and 1999, with a nominal capacity of 1,300 tons of limestone per hour, utilizing water mist suppression or equivalent dust suppression to control particulate emissions. Under 40 CFR 60, Subpart OOO, this is considered an affected facility.

(2) Outside storage piles, modified in 1999, utilizing water mist suppression or equivalent dust suppression to control particulate emissions

(3) Raw material sizing transfer equipment including:

(A) One (1) apron feeder, identified as Point 1-14 (206V), constructed in 1969 and modified in 1999, with a nominal throughput of 400 tons per hour, utilizing water mist suppression or equivalent dust suppression to control particulate emissions. Under 40 CFR 60, Subpart OOO, this is considered an affected facility.

(B) One (1) belt conveyor, identified as Point 1-9B (214V), constructed in 1969, with a nominal throughput of 1,300 tons per hour, utilizing water mist suppression or equivalent dust suppression to control particulate emissions.

(C) Three (3) pan feeders, identified as Point 1-11 (202V-204V), all constructed in 1969 and modified in 1999, with a nominal capacity of 1,300 tons per hour each, utilizing water mist suppression or equivalent dust suppression to control particulate emissions. Under 40 CFR 60, Subpart OOO, this is considered an affected facility.

(D) Three (3) belt conveyors, identified as Point 1-15 (215V, 305V, 251V), constructed in 1969, 1969, and 2000, respectively, with a nominal capacity of 1,300 tons per hour each, equipped with one (1) fabric filter system (FF 1-15, baghouse 209L) to control particulate emissions. Under 40 CFR 60, Subpart OOO, 215V is considered an affected facility.

(E) One (1) secondary crusher system, identified as SC-1, constructed in 2001, with a nominal capacity of 600 tons of limestone and additives per hour; controlled by six (6) baghouses/dust collectors 208L, 208L1, 210L, DC201, DC202 and DC203, exhausting to six (6) stacks 208L, 208L1, 210L, DC201 DC202 and DC203, respectively. The secondary crusher system is totally enclosed and consists of the following pieces of equipment:

(i) One (1) Hazemag single rotor impactor crusher, identified as GC202185.01, with a nominal capacity of 600 tons per hour, approved for construction in 2008, with emissions controlled by a baghouse, identified as 208L~~1~~ and exhausting through stack 208L~~1~~. Under 40 CFR 60, Subpart OOO, this is considered an affected facility.

(ii) Two (2) metso cone crushers, identified as GC202140.06 and GC202145.06, with a nominal capacity of 140 tons per hour, each, approved for construction in 2008, with emissions controlled by two (2) dust collectors, identified as DC201 and DC202 and exhausting through stacks DC201 and DC202. Under 40 CFR 60, Subpart OOO, this is considered an affected facility.

(iii) One (1) belt conveyor, identified as 202370, with a nominal capacity of 600 tons per hour, approved for construction in 2008, with emissions controlled by a dust collector, identified as DC203 and exhausting through stack DC203. Under 40 CFR 60, Subpart OOO, this is considered an affected facility.

(iv) One (1) belt conveyor, identified as Point 1-16A (202G2V2), with a nominal capacity of 525 tons per hour; one (1) crusher, identified as Point 1-16C (202G2), with a nominal capacity of 525 tons per hour; one (1) belt conveyor, identified as Point 1-16D (202G2V3), with a nominal capacity of 525 tons per hour; all constructed in 2001, equipped with one (1) fabric filter system (FF 1-16, baghouse 208L1) to control particulate emissions. Under 40 CFR 60, Subpart OOO, this is considered an affected facility.

(v) One (1) apron feeder, identified as Point 1-24 (202G2V1), with a nominal capacity of 600 tons per hour, constructed in 2001, utilizing water mist suppression or equivalent dust suppression to control particulate emissions. Under 40 CFR 60, Subpart OOO, this is considered an affected facility.

(vi) One (1) belt conveyor, identified as Point 1-25C (202G1V1); one (1) belt conveyor, identified as Point 1-25E (202G1V2); and one (1) belt conveyor, identified as Point 1-25F (202GV2); each with a nominal capacity of 600 tons per hour, all constructed in 2001, equipped with one (1) fabric filter system (FF 1-25, baghouse 208L) to control particulate emissions. Under 40 CFR 60, Subpart OOO, this is considered an affected facility.

(vii) One (1) screen, identified as Point 1-26C (204G); one (1) belt conveyor, identified as Point 1-26D (202GV3); and one (1) belt conveyor, identified as Point 1-26E (202GV4); each with a nominal capacity of 600 tons per hour, all constructed in 2001, equipped with one (1) fabric filter system (FF 1-26, baghouse 210L) to control particulate emissions. Under 40 CFR 60, Subpart OOO, this is considered an affected facility.

(c) One (1) gypsum material handling process, constructed in 2002, with a nominal production of 150 tons per hour of the blended synthetic gypsum material or rock gypsum, including the following units:

(1) One (1) synthetic gypsum transporting system, identified as 1-47;

(2) Two (2) outdoor synthetic gypsum storage piles, identified as 62 and 64, with a nominal throughput of 268,056 tons per year, using wet suppression to control particulate emissions;

(3) Three (3) synthetic gypsum hoppers, twelve (12) screw conveyors, three (3) weigh belts, and three (3) tubular drag conveyors with a nominal throughput of 10.2 tons per hour each; and

(4) One (1) finished gypsum material hopper (234F) and two (2) conveyor belts (234V, 234FV), identified as 1-38, with a nominal throughput of 150 tons per hour. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(d) Raw Material Ball Mill Operation, with a nominal capacity of 360 tons of raw material per hour, including the following units:

(1) Raw material ball mill transfer equipment including four (4) belt conveyors, identified as Point 1-17A (252V-255V); four (4) raw material bins, identified as Point 1-17B (350F-353F); all constructed on April 1, 2000, with a nominal capacity of 525 tons per hour, equipped with one (1) fabric filter system (FF 1-17, baghouse 350L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(2) Four (4) weigh feeders, identified as Point 1-18A (350V-353V); one (1) conveyor belt, identified as Point 1-18B (358V); two (2) apron feeders, identified as Point 1-18C (350V1, 351V1); and two (2) scavenger conveyors, identified as Point 1 18D (350V2, 351V2); all constructed on April 1, 2000, with a nominal capacity of 400 tons per hour; all utilizing a building enclosure to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(3) One (1) alleviator (357F), identified as Point 1-7, constructed on April 1, 2000, with a nominal capacity of 20 tons per hour, equipped with one (1) fabric filter system (FF 1-7, baghouse 351L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(e) Fly Ash Storage and Additive Activities, including the following units:

(1) Two (2) rotary feeders (270V2, 271V2, one (1) weigh screw (275V), one (1) Pfister rotary feeder (276V), and one (1) weigh bin (273F) constructed March 2009. Two screw conveyors, identified as Point 1-19A (273V, 274V); one (1) fly ash hopper, identified as Point 1-19B (273FA); and one (1) FK pump (273JA); all constructed on April 1, 2000, and modified February 8, 2002, with exception of 273FA and 273JA which were constructed in 2003, each with a nominal capacity of 20 tons per hour, equipped with one (1) fabric filter system (FF 1-7, 273L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(2) One (1) fly ash silo, identified as Point 1-39 (270F), constructed on April 1, 2000, with a nominal capacity of 1,250 tons, equipped with one (1) fabric filter system (FF 1-39, 270L, and baghouse 274L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(3) One (1) fly ash silo, identified as Point 1-40 (271F), constructed on April 1, 2000, with a nominal capacity of 1,250 tons, equipped with one (1) fabric filter system (FF 1-40, 271L, and baghouse 274L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(4) Two (2) additive silos, identified as Point 1-21A (318F, 328F), each with a nominal capacity of 500 tons, four (4) rotary feeders, identified as Point 1-21B (318V, 318VV, 328V, 328VV), with a nominal capacity of 30 tons per hour each; all constructed on May 17, 1996, equipped with one (1) fabric filter system (FF 1-21, baghouse 319L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(5) One (1) additive feed bin, identified as Point 1-22 (308F), constructed after August 17, 1971 and before May 17, 1996, with a nominal capacity of 200 tons, covered by a building enclosure (BE 1-22) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(6) Two (2) rotary feeders, identified as Point 1-23A (308V, 308VV), constructed in 1996; and one (1) weigh belt, identified as Point 1-23B (309V), constructed after August 17, 1971; each with a nominal capacity of 30 tons per hour, covered by a building enclosure (BE 1-23) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(f) Coal Mill Operation:

(1) Coal storage piles, modified in 1999, utilizing building enclosures (BE 2-1) or compaction (CMP 2 16) to control particulate emissions. Under 40 CFR 60, Subpart Y, this is considered an affected facility.

(2) Coal transfer equipment:

(A) Four (4) vibrating feeders, identified as Point 2-2A (209V-211V, 213V); one (1) belt conveyor, identified as Point 2-2B (222V); and one (1) coal

grizzly, identified as Point 2-2C (223V); all constructed before 1974 and modified in 1999, with a nominal capacity of 100 tons per hour each, utilizing water mist suppression or equivalent dust suppression to control particulate emissions and covered by a building enclosure (BE 2-2) to control particulate emissions. Under 40 CFR 60, Subpart Y, this is considered an affected facility.

(B) One (1) belt conveyor, identified as Point 2-4 (420V), constructed before 1974 and modified in 2000, with a nominal capacity of 100 tons per hour, covered by a building enclosure (BE 2-4) to control particulate emissions. Under 40 CFR 60, Subpart Y, this is considered an affected facility.

(C) One (1) belt conveyor, identified as Point 2-6B (420V3), constructed on May 1, 2000, with a nominal capacity of 100 tons per hour, equipped with one (1) shared fabric filter system (FF 2-6, baghouse 420L2) to control particulate emissions. Under 40 CFR 60, Subpart Y, this is considered an affected facility.

(D) One (1) belt conveyor (420V1), constructed on May 1, 2000, with a nominal capacity of 100 tons per hour, equipped with one (1) fabric filter system (baghouse 420L1) which exhausts into the building. Under 40 CFR 60, Subpart Y, this is considered an affected facility.

(3) Three (3) coal reject piles, identified as Points 2-3, 2-5, and 2-15, modified in 1999, utilizing mist suppression or equivalent dust suppression to control particulate emissions. Under 40 CFR 60, Subpart Y, this is considered an affected facility.

(4) One (1) raw coal bin, identified as Point 2-9 (435F), constructed May 1, 2000, with a nominal capacity of 100 tons, equipped with one (1) fabric filter system (FF 2-9, baghouse 435L) to control particulate emissions. Under 40 CFR 60, Subpart Y, this is considered an affected facility.

(5) One (1) weigh feeder, identified as Point 2-10A (435V); and one (1) conveyor belt, identified as Point 2-10B (436V); all constructed on May 1, 2000, each with a nominal capacity of 61 tons per hour, covered by a building enclosure (BE 2-10) to control particulate emissions. Under 40 CFR 60, Subpart Y, this is considered an affected facility.

(6) One (1) coal mill, identified as Point 2-11A (436G), with a nominal capacity of 40 tons of coal per hour, using a fuel oil fired burner during startup, and when additional heat is needed, and clinker cooler gas at other times to remove moisture from the coal (Note: For the purposes of NSPS Subpart Y, this is also a thermal dryer); and three (3) screw conveyors, identified as Point 2-11B (436LV, 436L1V, 436GV1), each with a nominal capacity of 40 tons per hour; all constructed on May 1, 2000, one (1) coal mill reject screw identified as 351155, and equipped with one (1) fabric filter system (FF 2-11, baghouse 436L) to control particulate emissions. Under 40 CFR 60, Subpart Y, this is considered an affected facility.

(7) Two (2) screw conveyors, identified as Point 2-13B (437V, 438V), with a nominal capacity of 40 tons per hour; two (2) rotary feeders, identified as Point 2-13C (436LVV, 436L1VV), with a nominal capacity of 40 tons per hour; and one (1) pulverized coal bin, identified as Point 2-13A (438F), with a nominal capacity of 100 tons; all constructed on May 1, 2000, and equipped with one (1) fabric filter system (FF 2-13, baghouse 438L) to control particulate emissions. Under 40

CFR 60, Subpart Y, this is considered an affected facility.

(g) One (1) alternate raw material feed system, approved for construction in 2007, operating at a maximum capacity of 20 tons per hour each, and consisting of the following pieces of equipment:

(1) Slag pile, identified as one of the materials identified in Point 1-13, controlled with water mist spray as needed.

(2) One (1) slag hopper, identified as 301132.01, with emissions uncontrolled. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(3) One (1) weight feeder, identified as 289V, with emissions uncontrolled. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(4) One (1) covered belt conveyor~~s~~, identified as GC301132.05, and one (1) screw conveyor identified as 301132.08, exhausting to kiln stack 3-1. The exhaust from Stack 3-1 is controlled by electrostatic precipitator 402L. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(5) One (1) bucket elevator, identified as 292V, exhausting to kiln stack 3-1. The exhaust from Stack 3-1 is controlled by electrostatic precipitator 402L. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(6) Paved delivery roads with particulate emissions controlled by vacuum sweeping.

(h) Kiln Operation, with a nominal capacity of 360 tons of dry raw feed per hour and 208 tons clinker per hour:

(1) One (1) hammermill dryer, identified as Point 3-1C (440G), constructed on May 1, 2000, with a nominal capacity of 258 tons per hour, equipped with one (1) electrostatic precipitator (402L) with a 2,000 HP motor to control particulate emissions, exhausting to stack 3-1. Under 40 CFR 63, Subpart EEE, this is considered an affected source.

(2) One (1) pre-heater, pre-calciner Portland cement kiln, originally constructed in 1966 and modified to the semi-dry system in 2000. The semi-dry kiln system includes one (1) coal-fired calciner tower with staged combustion, identified as Point 3-1B (440PH), and one (1) rotary kiln, identified as Point 3-1A (401B), with a combined nominal rated capacity of 827 million British thermal units per hour. An oxygen enrichment system, constructed in 2006, introduces oxygen into the first stage pre-calciner and the front end of the rotary kiln. The semi-dry kiln system has a nominal rated clinker capacity of 208 tons per hour, using coal and the following supplemental fuels:

(A) hazardous waste fuel at a maximum rate allowed by the approved Boiler and Industrial Furnace Permit required by 40 CFR 270;

(B) plastic chips, carpet fibers, paper products, wood chips, chipped tires, toner, cosmetics, seed corn, and oil absorbent material including oil filter fluff;

(C) petroleum coke; and

(D) distillate fuel for burner startup activities.

The particulate emissions from the calciner and kiln are controlled by one (1) electrostatic precipitator (402L) with a 2000 HP motor, exhausting to stack 3-1. Under 40 CFR 63, Subpart EEE, this is considered an affected source. Under 40 CFR 61, Subpart FF, Point 3-1A (401B) is considered an affected source.

(3) Nine (9) screw conveyors, identified as Point 3-1D (403V-410V, 404FV), constructed in 1968 and modified in 1999; and one (1) kiln dust chamber, identified as Point 3-1F (401BF1), constructed on January 1, 1969; each with a nominal capacity of (10) tons per hour; with particulate emissions controlled by one (1) electrostatic precipitator (402L) with a 2000 HP motor, exhausting to stack 3-1. Under 40 CFR 63, Subpart EEE, Point 3-1D (403V-410V, 404FV) is considered an affected source.

(4) One (1) return dust bin, identified as Point 3-3A (405F), constructed before 1971 and modified in 1999, with a nominal capacity of 100 tons; one (1) waste dust bin, identified as Point 3-3F (404F), constructed before 1971 and modified in 1999, with a nominal capacity of 75 tons; one (1) hopper, identified as Point 3-3C (445F), constructed on May 1, 2000, with a nominal capacity of 60 tons per hour; two (2) bucket elevators, identified as Point 3-3G (411V, 413V), constructed before August 17, 1971, with a nominal capacity of 60 tons per hour; and one (1) rotary feeder, identified as Point 3-3H (405FVV); one (1) screw conveyor, identified as Point 3-3I (405FVV1), both constructed in 2003, each with a nominal capacity of 60 tons per hour; and three (3) screw conveyors, identified as 305287, 305288, and 305289; all equipped with one fabric filter system (FF 3-3, baghouse 403L) to control particulate emissions.

(5) One (1) non-routine raw material dust truck loading station, constructed before 1971 and modified in 1999, covered by a building enclosure (BE 3-25) to control particulate emissions.

(6) One (1) conditioning tower, identified as Point 3-5A (480F), with a nominal capacity of 40 tons per hour, using lime injection to control sulfur dioxide emissions; and one (1) alkali bypass system, identified as Point 3-5B, one (1) hopper, identified as Point 3-5C (484F), with a nominal capacity of ten (10) tons per hour; one (1) dust cyclone, identified as Point 3-5D (480FL), with a nominal capacity of 31 tons per hour; four (4) screw conveyors, identified as Point 3-5E (480LV1-LV3, 480V), each with a nominal capacity of ten (10) tons per hour; one (1) weigh hopper, identified as Point 3-5I (481FF); and one (1) pug mill, identified as Point 3-5J (484L); all constructed on May 1, 2000; all equipped with one (1) fabric filter system (FF 3-5, baghouse 480L), which exhausts to stack 3-1, to control particulate emissions. Under 40 CFR 63, Subpart EEE, this is considered an affected source.

(7) One (1) reject dust bin for cement kiln dust, identified as Point 3-7A (481F), with a nominal capacity of 150 tons, constructed on May 1, 2000, equipped with one (1) fabric filter system (FF 3-7, baghouse 483L) to control particulate emissions.

(8) One (1) alkali bypass system cement kiln dust truck loading station, identified as Point 3-8, constructed in 2000, utilizing mist suppression or equivalent dust suppression to control particulate emissions.

(9) One (1) non-routine CKD loadout station, including one (1) screw conveyor, identified as Point 3-4B (412V), constructed in 2001, with a nominal capacity of 10 tons per hour, utilizing water mist suppression to control particulate emissions.

(i) Clinker Cooler Operations, with a nominal capacity of 208 tons of clinker per hour:

(1) One (1) clinker cooler, identified as Point 3-9A (401C), constructed before August 17, 1971 and modified in 2000, with a nominal capacity of 208 tons per hour; one (1) clinker breaker, identified as Point 3-9B (401CG), constructed on January 1, 1969 and modified in 2000, with a nominal capacity of 208 tons per hour; one (1) dropout chamber, identified as Point 3-9C (401CL), constructed January 1, 1969, with a nominal capacity of 20 tons per hour; two (2) vibrating feeders, identified as Point 3-9F (427V, 428V), constructed before August 17, 1971 and modified in 2000, with a nominal capacity of 208 tons per hour each; and one (1) drag conveyor, identified as Point 3-9G (401CV), and eight (8) screw conveyors (422V, 470CV2, 470CV3, 470CV9, 470CV10, 474V-476V), all constructed before August 17, 1971 and modified in 2001, each with a nominal capacity of ten (10) tons per hour; all equipped with one (1) fabric filter system (FF 3-9, baghouse 471-CL) to control particulate emissions, exhausting to stack 3-2. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(2) Two (2) belt conveyors, identified as Point 3-11A (421V, 509V); and two (2) bucket elevators, identified as Point 3-11B (418V, 419V); all constructed before 1971 and modified in 2000, with a nominal capacity of 208 tons per hour each (note that belt conveyor (421V) is a non-routine belt; all equipped with one (1) fabric filter system (FF 3-11, baghouse 406L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(3) One (1) non-routine outdoor clinker pile, identified as Point 3-13, modified in 1999, utilizing water mist suppression or equivalent dust suppression to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(4) One (1) belt conveyor (turning tower), identified as Point 3-12 (510V), constructed before 1971 and modified in 2000, with a nominal capacity of 208 tons per hour, equipped with one (1) fabric filter system (FF 3-12, baghouse 506L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(5) One (1) bucket elevator, identified as Point 3-22 (500V), constructed on October 1, 1999, with a nominal capacity of 250 tons per hour, equipped with one (1) fabric filter system (FF 3-22, baghouse 500L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(6) Two (2) feeders, identified as Point 3-24A (207F, 208F); and one (1) belt conveyor, identified as Point 3-24B (219V); each constructed before August 17, 1971, with a nominal capacity of 300 tons per hour each, equipped with one (1) fabric filter system (FF 3-24, baghouse 220L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(7) Seven (7) clinker silos, identified as Point 3-14 (501A-507A), constructed before 1971 and modified in 1999, each with a nominal capacity of 5000 tons, equipped with two (2) fabric filter system (FF 3-14, baghouses 503L and 503L1) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(8) One (1) belt conveyor, identified as Point 3-21 (220V), constructed before August 17, 1971, equipped with one (1) fabric filter system (FF 3-21, baghouse 221L) which was installed in 2001 to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(j) Finish Mill Operations:

(1) Four (4) vibrating feeders, identified as Point 3-15 (504V-507V), constructed before 1971 and modified in 1999, with a nominal capacity of 250 tons per hour each, equipped with one (1) fabric filter system (FF 3-15, baghouse 505L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(2) Four (4) vibrating feeders, identified as Point 3-17A (501V-503V, 508V); and one (1) belt conveyor, identified as Point 3-17B (221V); with a nominal capacity of 250 tons per hour each; all constructed before 1971 and modified in 1999, equipped with one (1) fabric filter system (FF 3-17, baghouse 504L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(3) Two (2) belt conveyors, identified as Point 3-20B (514V, 511V), constructed before August 17, 1971; one (1) bucket elevator, identified as Point 3-20A (513V), constructed on June 1, 2000; and one (1) belt conveyor, identified as 511V2, constructed in 2003; each with a nominal capacity of 250 tons per hour, 514V, 511V, and 513V are equipped with one (1) fabric filter system (FF 3-20, baghouse 513L) to control particulate emissions. 511V2 is equipped with baghouse 507L to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(4) One (1) belt conveyor, identified as Point 4-13A (515V), constructed in 1969 and modified in 2000, with a nominal capacity of 250 tons per hour; and four (4) silos, identified as Point 4-13B; 652A, constructed on January 1, 1969, with a nominal capacity of 2,260 tons, equipped with one (1) fabric filter system (FF 4-13, baghouse 515L) to control particulate emissions. 650A, 651A, and 653A, constructed on January 1, 1969 with a nominal capacity of 2,440; 2,315; and 200 tons, respectively, and controlled by baghouses 760L, 761L, and 762L, respectfully, (constructed in 2006) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(5) One (1) belt conveyor, identified as Point 4-14 (516V), constructed on January 1, 1969, with a nominal capacity of 250 tons per hour, equipped with one (1) fabric filter system (FF 4-14, baghouse 516L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(6) No. 1 Finish Mill, modified in 1993, with a nominal capacity of 70 tons of clinker per hour:

(A) Two (2) belt conveyors, identified as Point 4-1A (639V, 640V), constructed in 1971 and modified in 1999, with a nominal capacity of 250 tons per hour each; one (1) clinker bin, identified as Point 4-1B (601F), constructed before 1971 and modified in 1999, with a nominal capacity of 260 tons; one (1) gypsum bin, identified as Point 4-1C (603F), constructed before 1971 and modified in 1999, with a nominal capacity of 240 tons per hour; one (1) spill screw, identified as Point 4-1D (646V), constructed in 2002, with a nominal capacity of five (5) tons per hour; and one (1) belt conveyor, identified as 614V, modified in 2003, with a maximum capacity of 250 tons of clinker per hour; all equipped with one (1) fabric filter system (FF 4-1, baghouse 617L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(B) One (1) No. 1 finish mill, identified as Point 4-2A (603G), constructed before 1971 and modified in 1999, with a nominal capacity of 70 tons of clinker per hour; one (1) elevator, identified as Point 4-2B (626V), constructed before 1971 and modified in 1999, with a nominal capacity of 200 tons per hour; and one (1) spill screw, identified as Point 4-2D (642V), constructed 1969 and modified in 1999, with a nominal capacity of five (5) tons per hour; all equipped with one (1) fabric filter system (FF 4-2, baghouse 613L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(C) One (1) air separator, identified as Point 4-3A (605G), constructed in 1994 and modified in 1999, with a nominal capacity of 200 tons per hour; one (1) tailing screw, identified as Point 4-3D (613V), constructed in 1969 and modified in 1999, with a nominal capacity of 200 tons per hour; two (2) cement coolers, identified as Point 4-3E (603C, 604C), constructed in 1969 and modified in 1999, with a nominal capacity of 70 tons of clinker per hour each; one (1) F.K. pump hopper, identified as Point 4-3G (611F), constructed in 1969 and modified in 1999, with a nominal capacity of 70 tons of clinker per hour; one (1) mill feed belt, identified as Point 4-3H (641V), constructed in 1974 and modified in 1999, with a nominal capacity of 70 tons of clinker per hour; and one (1) clinker F.O.W. belt, identified as Point 4-3I (601V), constructed before 1971 and modified in 1999, with a nominal capacity of 70 tons per hour; equipped with one (1) fabric filter system (FF 4-3, baghouse 606L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(D) One (1) fringe bin for off-specification cement and cement kiln dust, identified as Point 4-16A (604F), constructed before August 17, 1971, with a nominal capacity of 66 tons; and two (2) screw feeders, identified as Point 4-16B (611V, 604F1V), constructed on January 1, 1969, with a nominal capacity of 20 tons per hour each; equipped with one (1) fabric filter system (FF 4-16, baghouse 605L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(E) One (1) weigh belt, identified as Point 4-15A (605V), and one (1) belt conveyor, identified as Point 4-15B (616V), constructed before 1974, covered by a building enclosure to control particulate matter. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(7) No. 2 Finish Mill, with a capacity of 70 tons of clinker per hour:

(A) Two (2) conveyor belts, identified as Point 4-4A (639V, 640V), constructed 1969 and modified in 1999, with a nominal capacity of 250 tons per hour; one (1) clinker bin, identified as Point 4-4B (602F), constructed before 1971 and modified in 1999, with a nominal capacity of 260 tons; one (1) gypsum bin, identified as Point 4-4C (603F), constructed before 1971 and modified in 1999, with a nominal capacity of 240 tons; one (1) clinker F.O.W. belt, identified as Point 4-4D, (602V), constructed before 1971 and modified in 1999, with a nominal capacity of 70 tons per hour; and one (1) feed belt, identified as Point 4-4E (644V), constructed in 1975 and modified in 1999, with a nominal capacity of 70 tons of clinker per hour; all equipped with one (1) fabric filter system (FF 4-4, baghouse 636L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(B) One (1) No. 2 finish mill, identified as Point 4-5A (602G), constructed before 1971 and modified in 1999, with a nominal capacity of 70 tons of clinker per hour; and one (1) spill screw, identified as Point 4-5B (645V), constructed in 1969 and modified in 1999, with a nominal capacity of 5 tons per hour; all equipped with one (1) fabric filter system (FF 4-5, baghouse 603L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(C) One (1) air separator, identified as Point 4-6A (604G), constructed before 1971 and modified in 1999, with a nominal capacity of 200 tons per hour; one (1) elevator, identified as Point 4-6B (621V), constructed before 1971 and modified in 1999, with a nominal capacity of 200 tons per hour; one (1) tailing screw, identified as Point 4-6D (612V), constructed in 1969 and modified in 1999, with a nominal capacity of 200 tons per hour; two (2) cement coolers, identified as Point 4-6E (601C, 602C), constructed in 1969 and modified in 1999, with a nominal capacity of 70 tons of clinker per hour each; one (1) F.K. pump hopper, identified as Point 4-6F (610F), constructed in 1969 and modified in 1999, with a nominal capacity of 70 tons of clinker per hour; and one (1) mill feed belt, identified as Point 4-6G (644V), constructed in 1975 and modified in 1999, with a nominal capacity of 70 tons of clinker per hour; all equipped with one (1) fabric filter system (FF 4-6, baghouse 602L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(8) No. 3 Finish Mill, with a nominal capacity of 95 tons of clinker per hour:

(A) One (1) No. 3 finish mill, identified as Point 4-9 (660G), constructed on June 1, 2000, with a nominal capacity of 95 tons of clinker per hour, equipped with one (1) fabric filter system (FF 4-9, baghouse 660L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(B) One (1) hopper, identified as Point 4-10C (667F), with a nominal capacity of 95 tons of clinker per hour; one (1) cooler, identified as Point 4-10D (664C), with a nominal capacity of 95 tons of clinker per hour; and one (1) feed belt, identified as Point 4-10E (654V), with a nominal capacity of 95 tons of clinker per hour; all constructed on June 1, 2000, equipped with one (1) fabric filter system (FF 4-10, baghouse 661L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(C) One (1) fringe bin for off-specification cement and cement kiln dust, identified as Point 4-11B (665F), with a nominal capacity of 80 tons; one (1) elevator, identified as Point 4-11C (661V), with a nominal capacity of 230 tons per hour equipped with one (1) clean-up hopper and one (1) clean-up screw 509530; and one (1) rotary feeder, identified as Point 4-11D (665FV), with a nominal capacity of 50 tons per hour; all constructed on June 1, 2000 and equipped with one (1) fabric filter system (FF 4-11, baghouse 665L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(D) One (1) air separator, identified as Point 4-12A (664G), constructed on June 1, 2000, with a nominal capacity of 230 tons per hour, and equipped with one (1) fabric filter system (FF 4-12, baghouse 664L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is

considered an affected source.

(E) Two (2) weigh feeders, identified as Point 4-17 (652V, 653V), constructed on January 1, 1969; and two (2) weigh feeders (650V, 651V), constructed on January 1, 1969, equipped with two (2) dust collectors (650L, 651L), installed in 2000, venting indoors; with a nominal capacity of 40 tons per hour each, covered by a building enclosure (BE 4-17) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(k) Cement Storage, Loading, and Packaging Activities:

(1) Three (3) Group 5 silos, identified as Point 5-1 (705A, 707A, 709A), constructed before 1971 and modified in 1999, with a nominal storage capacity of 10,000 tons each, with particulate emission controlled by one (1) fabric filter system (FF 5-1, baghouse 757L). Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(2) Three (3) Group 5 silos, identified as Point 5-2 (706A, 708A, 710A), constructed before 1971 and modified in 1999, with a nominal storage capacity of 10,000 tons each, with particulate emissions controlled by one (1) fabric filter system (FF 5-2, baghouse 758L). Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(3) Two (2) Group 4 silos, identified as Point 5-3 (702A, 704A), constructed in 1967 and modified in 1999, with a nominal storage capacity of 5,000 tons each, with particulate emissions controlled by one (1) fabric filter system (FF 5-3, baghouse 702L). Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(4) Two (2) Group 4 silos, identified as Point 5-4 (701A, 703A), constructed in 1967 and modified in 1999, with a nominal storage capacity of 5,000 tons each, with particulate emissions controlled by one (1) fabric filter system (FF 5-4, baghouse 701L). Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(5) Two (2) silos, identified as Point 5-29 (711A, 712A), constructed on January 1, 1969, with a nominal storage capacity of 5,000 tons each, with particulate emissions controlled by one (1) fabric filter system (FF 5-29, baghouse 713L). Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(6) One (1) screen, identified as Point 5-5C (701G), constructed before 1971 and modified in 1999; and one (1) truck loader, identified as Point 5-5D (708L), constructed before 1971 and modified in 1999; each with a nominal capacity of 500 tons per hour, equipped with one (1) fabric filter system (FF 5-5, baghouse 703L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(7) One (1) screen, identified as Point 5-6B (702G), constructed before 1971 and modified in 1999; and one (1) railcar/truck loader, identified as Point 5-6C (709L), constructed before 1971 and modified in 1999; each with a nominal capacity of 500 tons per hour, equipped with one (1) fabric filter system (FF 5-6, baghouse 706L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(8) One (1) hopper, identified as Point 5-7B (701F), constructed before 1971 and modified in 1999, with a nominal capacity of 40 tons per hour, equipped with one (1) fabric filter system (FF 5-7, baghouse 710L) to control particulate emissions.

Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(9) One (1) hopper, identified as Point 5-8 (730F), constructed before 1971 and modified in 1999, with a nominal capacity of 40 tons per hour, equipped with one (1) fabric filter system (FF 5-8, baghouse 715L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(10) Three (3) screw conveyors, identified as Point 5-9A (809V, 809V1, 809V2), constructed before 1971, with a nominal capacity of 40 tons per hour each; one (1) alleviator, identified as Point 5-9C, constructed before 1971, with a nominal capacity of 40 tons per hour; and fourteen (14) Group 2 silos, identified as Point 5-9B (2S-7S, 9S, 11S-17S), constructed in 1924, with a combined nominal capacity of 24,842 tons; all equipped with one (1) fabric filter (FF 5-9, baghouse 808L) to control particulate matter. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(11) One (1) silo, identified as Point 5-10 (8S), constructed in 1924 and modified in 1999, with a nominal capacity of 5420 tons, equipped with one (1) fabric filter system (FF 5-10, baghouse 807L) for particulate control. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(12) One (1) silo, identified as Point 5-11 (10S), constructed in 1924 and modified in 1999, with a nominal capacity of 5420 tons, equipped with one (1) fabric filter system (FF 5-11, baghouse 810L) for particulate control. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(13) Four (4) Group 3 silos, identified as Point 5-13 (26S, 27S, 28S, and 29S), constructed in 1924 and modified in 1999, with a nominal capacity of 2,736 tons each, equipped with one (1) fabric filter system (FF 5-13, baghouse 27DC) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(14) Three (3) Group 3 silos, identified as Point 5-14 (18S, 20S, 22S), constructed in 1924 and modified in 1999, with a nominal capacity of 3,112 tons each, equipped with one (1) fabric filter system (FF 5-14, baghouse 22DC) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(15) Two (2) Group 3 silos, identified as Point 5-15 (24S, 30S), constructed in 1924 and modified in 1999, with a nominal capacity of 2,780 tons each, equipped with one (1) fabric filter system (FF 5-15, baghouse 24DC) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(16) Four (4) Group 3 silos, identified as Point 5-17 (19S, 21S, 23S, 25S), constructed in 1924 and modified in 1999, with a nominal capacity of 2,736 tons each, equipped with one (1) fabric filter system (FF 5-17, baghouse 25DC) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(17) One (1) screen elevator, identified as Point 5-18 (829V2), constructed before 1971, with a nominal capacity of 40 tons per hour, covered by a building enclosure (BE 5-18) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(18) One (1) elevator, identified as Point 5-19 (829V1), constructed before 1971, with a nominal capacity of 40 tons per hour, covered by a building enclosure (BE 5-19) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is

considered an affected source.

(19) Two (2) bulk tanks, identified as Point 5-23A (831F, 833F), with a nominal capacity of 20 tons each; and one (1) truck loader, identified as Point 5-23C, with a nominal capacity of 40 tons per hour; all constructed before 1971 and modified in 1999, except for 831V2 which was constructed in 2003, and equipped with one (1) fabric filter system (FF 5-23, baghouse 833L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(20) Three (3) bulk tanks, identified as Point 5-24A (832F, 834F, 835F), with a nominal capacity of 20 tons each, constructed before 1950 and modified in 1999, and equipped with one (1) fabric filter system (FF 5-24, baghouse 835L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(21) One (1) silo, identified as Point 5-26A (782F), with a nominal capacity of 2,430 tons; and one (1) bucket elevator, identified as Point 5-26B (781V), with a nominal capacity of 500 tons per hour; all constructed on December 1, 2000, and equipped with one (1) fabric filter system (FF 5-26, baghouse 782L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(22) One (1) lump breaker, identified as Point 5-27B (783V3); one (1) spout, identified as Point 5-27C (785L); and one (1) truck loader, identified as Point 5-27D; all constructed on December 1, 2000, with a nominal capacity of 500 tons per hour each, and equipped with one (1) fabric filter system (FF 5-27, baghouse 783L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(23) One (1) lump breaker, identified as Point 5-28B (784V3); one (1) spout, identified as Point 5-28C (786L); and one (1) truck loader, identified as Point 5-28D; all constructed on December 1, 2000, with a nominal capacity of 500 tons per hour each, and equipped with one (1) fabric filter system (FF 5-28, baghouse 784L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(24) Five (5) screw conveyors, identified as Point 5-30B (755V, 759V-762V), constructed in 1978; six (6) rotary feeders, identified as Point 5-30C (755M-760M), constructed in 1978; and one (1) hopper, identified as Point 5-30D (750F), constructed before August 17, 1971; with a nominal capacity of 40 tons per hour each, covered by a building enclosure (BE 5-30) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(25) Nineteen (19) screw conveyors, identified as Point 5-33A (818V1-825V1, 818V2-825V2, 828V1, 828V2, 830V); and three (3) screen screws, identified as Point 5-33B (806V, 829V4, 830V1); all constructed before 1950, with a nominal capacity of 40 tons per hour each, and covered by a building enclosure (BE 5-33) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(l) One (1) blend facility, consisting of the following units:

(1) Five (5) screw conveyors, identified as Point 5-35A (22SC, 24SCG, 24SC, 30SC, 31SC), all constructed in 1989, with a nominal capacity of 40 tons per hour each, covered by a building enclosure (BE 5-35) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(2) One (1) transfer pod, identified as Point 5-36 (22) constructed in August 1989, with a nominal area of 25 cubic feet, equipped with one (1) fabric filter system (FF 5-36, filter 22-PVDC) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(3) One (1) transfer pod, identified as Point 5-37 (24-G), constructed in August 1989, with a nominal area of 25 cubic feet, equipped with one (1) fabric filter system (FF 5-37, filter 24-PVDC-G) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(4) One (1) transfer pod, identified as Point 5-38 (24), constructed in August 1989, with a nominal area of 25 cubic feet, equipped with one (1) fabric filter system (FF 5-38, filter 24-PVDC) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(5) One (1) transfer pod, identified as Point 5-39 (30), constructed in August 1989, with a nominal area of 25 cubic feet, equipped with one (1) fabric filter system (FF 5-39, filter 30-PVDC) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(6) One (1) receiving tank, identified as Point 5-40, constructed in August 1989, with a nominal capacity of 20 tons, equipped with one (1) fabric filter system (FF 5-40, baghouse 40-DC) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(7) One (1) blending tank, identified as Point 5-41A, with a nominal capacity of 20 tons; and one (1) blending pod, identified as Point 5-41C, with a nominal capacity of 25 cubic feet; all constructed in August 1989, equipped with one (1) fabric filter system (FF 5-41, baghouse 41-DC) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(8) Two (2) silos, identified as Point 5-42 (50S, 51S), constructed August 1989, with a nominal capacity of 175 tons each, equipped with one (1) fabric filter system (FF 5-42, baghouse 50-DC) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(9) Two (2) silos, identified as Point 5-43 (52S, 53S), constructed August 1989, with a nominal capacity of 175 tons each, equipped with one (1) fabric filter system (FF 5-43, baghouse 53-DC) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(10) One (1) transfer pod, identified as Point 5-44B (50PV), constructed in August 1989, with a nominal capacity of 40 tons per hour, equipped with one (1) fabric filter system (FF 5-44, filter 50-PVDC) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(m) Packhouse operations consisting of the following:

(1) One (1) elevator, identified as Point 6-1A (838V), constructed in 1945; one (1) packer bin, identified as Point 6-1B (Bin #1), constructed in 1946; one (1) packing machine, identified as Point 6-1C (842LF), constructed in 1945; two (2) circulating tanks, identified as Point 6-1D (842F, 842FA), constructed in 1946; two (2) rotary feeders, identified as Point 6-1E (842M, 842MA), constructed in 1946; and four (4) screw conveyors, identified as Point 6-1F (842LV1, 837V, 837V1, 831V2), constructed in 1945; all modified in 1999, with a nominal

capacity of 34 tons per hour each, and equipped with one (1) fabric filter system (FF 6-1, baghouse 842L) for particulate control. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(2) One (1) elevator, identified as Point 6-2A (838V1), constructed in 1945; one (1) packer bin, identified as Point 6-2B (Bin #2), constructed in 1946; one (1) packing machine, identified as Point 6-2C (843LF), constructed in 1945; two (2) circulating tanks, identified as Point 6-2D (843F, 843FA), constructed in 1945; two (2) rotary feeders, identified as Point 6-2E (843M, 843MA), constructed before 1971; and four (4) screw conveyors (843LV1, 817V1, 817V3, 817V7), identified as Point 6-2G; constructed in 1945; all modified in 1999, with a nominal capacity of 46 tons per hour each, and equipped with one (1) fabric filter system (FF 6-2, baghouse 843L) for particulate control. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(3) One (1) elevator, identified as Point 6-3A (838V2), constructed in 1945; one (1) packer bin, identified as Point 6-3B (Bin #3), constructed in 1946; one (1) packing machine, identified as Point 6-3C (844LF), constructed in 1945; two (2) circulating tanks, identified as Point 6-3D (844F, 844FA), constructed in 1945; two (2) rotary feeders, identified as Point 6-3E (844M, 844MA), constructed before 1971; and one (1) screw conveyor, identified as Point 6-3F (844LV1), constructed before 1971; all modified in 1999, with a nominal capacity of 65 tons per hour each, and equipped with one (1) fabric filter system (FF 6-3, baghouse 844L) for particulate control. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(4) One (1) elevator, identified as Point 6-4A (838V3), constructed in 1945; one (1) packer bin, identified as Point 6-4B (Bin #4), constructed in 1946; one (1) packing machine, identified as Point 6-4C (845LF), constructed in 1945; two (2) circulating tanks, identified as Point 6-4D (845F, 845FA), constructed in 1945; two (2) rotary feeders, identified as Point 6-4E (845M, 845MA), constructed before 1971; and one (1) screw conveyor, identified as Point 6-4F (845LV1), constructed before 1971; all modified in 1999, with a nominal capacity of 40 tons per hour each, and equipped with one (1) fabric filter system (FF 6-4, baghouse 845L) for particulate control. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(5) Fourteen (14) conveyors, identified as Point 6-5 (842V-846V, 848V, 845V1, 847V1, 847V2, 848V1, 848V2, 849V1, 849V2, 849V3), constructed before 1971, with a nominal capacity of 185 tons per hour each, covered by a building enclosure (BE 6-5) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(6) Two (2) palletizers, identified as Point 6-6 (900H, 901H), constructed before 1971, with a nominal capacity of 185 tons per hour each, covered by a building enclosure (BE 6-6) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(7) One (1) truck loader, identified as Point 6-7, constructed before 1971, with a nominal capacity of 185 tons per hour, covered by a building enclosure (BE 6 7) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(n) Ten (10) above-ground, liquid organic waste tanks, identified as Tanks 1-10, Tanks 1-7 constructed in 1988, Tank 8 (Burn Tank #8) constructed in 1999, and Tanks 9 and 10

approved for construction in 2009 with a combined nominal storage capacity of 700,000 gallons, with VOC and HAP emissions controlled by an existing vapor balancing system and a closed vent, carbon adsorption vapor system that exhausts to the existing tank farm stack identified as S-001. Under 40 CFR 60, Subpart Kb, this is considered an affected facility.

(o) One (1) truck unloading, identified as 240F, approved for construction in 2007, for unloading and pneumatically conveying alternative fuel (spent pot liner) to a silo, with a maximum throughput capacity of 33 tons per hour, with a maximum storage capacity of 700 tons, with particulate emissions controlled by a dust collector (identified as 240L), and exhausting to stack 240L. This is an affected facility under 40 CFR 63, Subpart LLL.

(p) One (1) enclosed pneumatic conveyance system, identified as 241F, approved for construction in 2007, for pneumatically conveying alternative fuel (spent pot liner) from the silo to the cement kiln, with a maximum throughput capacity of four (4) tons per hour, with particulate emissions controlled by a bin vent filter (identified as 241L), and exhausting to stack 241L. This is an affected facility under 40 CFR 63, Subpart LLL.

(q) One (1) portable screen and conveyor unit for the sizing of plant materials with a nominal throughput of 100 tons per hour, including reclamation of partially formatted clinker product, including the following units:

(1) One (1) vibrating feeder

(2) One (1) portable vibrating screen

(3) One (1) conveyor belt

Under 40 CFR 60, Subpart OOO, this is considered an affected facility.

A.3 Specifically Regulated Insignificant Activities
[326 IAC 2-7-1(21)][326 IAC 2-7-4(c)][326 IAC 2-7-5(15)]

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

(a) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment [326 IAC 6-3-2];

(b) Cutting 200,000 linear feet or less of one inch (1") plate or equivalent [326 IAC 6-3-2];

(c) Trimmers that do not produce fugitive emissions and that are equipped with a dust collection or trim material recovery device such as a bag filter or cyclone [326 IAC 6-3-2]; and

(d) Conveyors as follows [326 IAC 6-3-2]:

(1) Covered conveyors for coal or coke conveying or less than or equal to 360 tons per day;

(2) Covered conveyors for limestone conveying of less than or equal to 7,200 tons per day for sources other than mineral processing plants constructed after August 31, 1983;

(3) Uncovered coal conveying of less than or equal to 120 tons per day; and

(4) Underground conveyors.

(e) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6 [326 IAC 8-3-2] [326 IAC 8-3-5].

(f) One (1) non-hazardous waste alternate fuels handling process, identified as Point 2-18, approved for construction in 2007, with a maximum capacity of 10 tons of non-hazardous waste alternate fuel per hour, consisted of the following: [326 IAC 6-3-2]

(1) Two (2) hoppers, identified as 295F and 296F;

(2) Two (2) screw conveyors, identified as 295V and 296V;

(3) Two (2) weight feeders, identified as 295V1 and 296V1;

(4) Three (3) covered drag chain conveyors, identified as 296DCC, 297DCC, and 298DCC; and

(5) Two (2) bucket elevators, identified as 296BE and 297BE.

(g) Storage piles for non-hazardous waste alternate fuels, located inside a three-sided building, with a total maximum throughput rate of 10 tons/hr. [326 IAC 6-4]

A.4 Part 70 Permit Applicability [326 IAC 2-7-2]

This stationary source is required to have a Part 70 permit by 326 IAC 2-7-2 (Applicability) because:

(a) It is a major source, as defined in 326 IAC 2-7-1(22);

(b) It is a source in a source category designated by the United States Environmental Protection Agency (U.S. EPA) under 40 CFR 70.3 (Part 70 - Applicability).

SECTION B GENERAL CONDITIONS

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

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

B.2 Permit Term [326 IAC 2-7-5(2)][326 IAC 2-1.1-9.5][326 IAC 2-7-4(a)(1)(D)][IC 13-15-3-6(a)]

(a) This permit, T133-26830-00002, is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

(a) Where specifically designated by this permit or required by an applicable requirement, any application form, report, or compliance certification submitted shall contain certification by the "responsible official" of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

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

(c) 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. All certifications shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted no later than July 1 of each year to:

Indiana Department of Environmental Management
Compliance and Enforcement 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, Air Enforcement Branch - Indiana (AE-17J)
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

(b) The annual compliance certification report required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

(c) The annual compliance certification report shall include the following:

(1) The appropriate identification of each term or condition of this permit that is the basis of the certification;

(2) The compliance status;

(3) Whether compliance was continuous or intermittent;

(4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-7-5(3); and

(5) Such other facts, as specified in Sections D of this permit, as IDEM, OAQ may require to determine the compliance status of the source.

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

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

(a) If required by specific condition(s) in Section D of this permit, the Permittee shall maintain and implement Preventive Maintenance Plans (PMPs) 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.

(b) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions or potential to emit. The PMPs do not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

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

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

(a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation.

(b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:

(1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;

(2) The permitted facility was at the time being properly operated;

(3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;

(4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ, 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 and Enforcement 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) The Permittee seeking to establish the occurrence of an emergency shall make records available upon request to ensure that failure to implement a PMP did not cause or contribute to an exceedance of any limitations on emissions. However, IDEM, OAQ may require that the Preventive Maintenance Plans required under 326 IAC 2-7-4(c)(9) be revised in response to an emergency.

(f) Failure to notify IDEM, OAQ by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-7 and any other applicable rules.

(g) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.

(h) The Permittee shall include all emergencies in the Quarterly Deviation and Compliance Monitoring Report.

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

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

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

(b) If, after issuance of this permit, it is determined that the permit is in nonconformance with an applicable requirement that applied to the source on the date of permit issuance, IDEM, OAQ, shall immediately take steps to reopen and revise this permit and issue a compliance order to the Permittee to ensure expeditious compliance with the applicable requirement until the permit is reissued. The permit shield shall continue in effect so long as the Permittee is in compliance with the compliance order.

(c) No permit shield shall apply to any permit term or condition that is determined after issuance of this permit to have been based on erroneous information supplied in the permit application. Erroneous information means information that the Permittee knew to be false, or in the exercise of reasonable care should have been known to be false, at the time the information was submitted.

(d) Nothing in 326 IAC 2-7-15 or in this permit shall alter or affect the following:

(1) The provisions of Section 303 of the Clean Air Act (emergency orders), including the authority of the U.S. EPA under Section 303 of the Clean Air Act;

(2) The liability of the Permittee for any violation of applicable requirements prior to or at the time of this permit's issuance;

(3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act; and

(4) The ability of U.S. EPA to obtain information from the Permittee under Section 114 of the Clean Air Act.

(e) This permit shield is not applicable to any change made under 326 IAC 2-7-20(b)(2) (Sections 502(b)(10) of the Clean Air Act changes) and 326 IAC 2-7-20(c)(2) (trading based on State Implementation Plan (SIP) provisions).

(f) This permit shield is not applicable to modifications eligible for group processing until after IDEM, OAQ, has issued the modifications. [326 IAC 2-7-12(c)(7)]

(g) This permit shield is not applicable to minor Part 70 permit modifications until after IDEM, OAQ, has issued the modification. [326 IAC 2-7-12(b)(8)]

B.13 Prior Permits Superseded [326 IAC 2-1.1-9.5][326 IAC 2-7-10.5]

(a) All terms and conditions of permits established prior to T133-26830-00002 and issued pursuant to permitting programs approved into the state implementation plan have been either:

(1) incorporated as originally stated,

(2) revised under 326 IAC 2-7-10.5, or

(3) deleted under 326 IAC 2-7-10.5.

(b) Provided that all terms and conditions are accurately reflected in this permit, all previous registrations and permits are superseded by this Part 70 operating permit.

B.14 Termination of Right to Operate [326 IAC 2-7-10][326 IAC 2-7-4(a)]

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

B.15 Deviations from Permit Requirements and Conditions [326 IAC 2-7-5(3)(C)(ii)]

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

Indiana Department of Environmental Management
Compliance and Enforcement Branch, 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.16 Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-7-5(6)(C)][326 IAC 2-7-8(a)][326 IAC 2-7-9]

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

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

(1) That this permit contains a material mistake.

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

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

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

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

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

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

Request for renewal shall be submitted to:

Indiana Department of Environmental Management
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

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

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

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

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

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

(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
Permit Administration and Support Section, 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)]

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

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

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

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

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

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

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

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

(4) The Permittee notifies the:

Indiana Department of Environmental Management
Permit Administration and Support 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, Regulation Development Branch - Indiana (AR-18J)
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

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

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

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

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

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

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

(3) Any change in emissions; and

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

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

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

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

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

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

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

(b) Any modification at an existing major source is governed by the requirements of 326 IAC 2-2.

B.22 Inspection and Entry [326 IAC 2-7-6][IC 13-14-2-2][IC 13-30-3-1][IC 13-17-3-2]

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

(a) Enter upon the Permittee's premises where a Part 70 source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;

(b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy any records that must be kept under the conditions of this permit;

(c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;

(d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and

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

B.23 Transfer of Ownership or Operational Control [326 IAC 2-7-11]

(a) The Permittee must comply with the requirements of 326 IAC 2-7-11 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.

(b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

Indiana Department of Environmental Management
Permit Administration and Support Section, 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.24 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-7-5(7)][326 IAC 2-1.1-7]

(a) The Permittee shall pay annual fees to IDEM, OAQ within thirty (30) calendar days of receipt of a billing. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ the applicable fee is due April 1 of each year.

(b) Except as provided in 326 IAC 2-7-19(e), failure to pay may result in administrative enforcement action or revocation of this permit.

(c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4230 (ask for OAQ, Billing, Licensing, and Training Section), <<or local agency insert>> to determine the appropriate permit fee.

B.25 Credible Evidence [326 IAC 2-7-5(3)][326 IAC 2-7-6][62 FR 8314] [326 IAC 1-1-6]

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

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

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

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

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

C.2 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 non-overlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

C.3 Open Burning [326 IAC 4-1] [IC 13-17-9]

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

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

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

C.5 Fugitive Dust Emissions [326 IAC 6-4]

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

C.6 Fugitive Particulate Matter Emission Limitations [326 IAC 6-5]

Pursuant to 326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations), fugitive particulate matter emissions shall be controlled according to the plan submitted on September 19, 1997. The plan is included as Attachment A. The provisions of 326 IAC 6-5 are not federally enforceable.

C.7 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

(a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all facility components, then the notification requirements of

326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.

(b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:

(1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or

(2) If there is a change in the following:

(A) Asbestos removal or demolition start date;

(B) Removal or demolition contractor; or

(C) Waste disposal site.

(c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).

(d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).

All required notifications shall be submitted to:

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

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

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

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

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

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 and Enforcement Branch, 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 Permittee submits to IDEM, OAQ a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

Compliance Requirements [326 IAC 2-1.1-11]

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

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

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

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

Unless otherwise specified in this permit, all monitoring and record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance or ninety (90) days of initial start-up, whichever is later. 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 and Enforcement 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 COMS 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 COMS occurs, a record shall be made of the times and reasons of the breakdown and efforts made to correct the problem.

(d) Whenever a COMS is malfunctioning or is down for maintenance or repairs for a period of twenty-four (24) hours or more and a backup COMS is not online within twenty-four (24) hours of shutdown or malfunction of the primary COMS, the Permittee shall provide a certified opacity reader, who may be an employee of the Permittee or an independent contractor, to self-monitor the emissions from the emission unit stack.

(1) 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.

(2) Method 9 opacity readings shall be repeated for a minimum of five (5) consecutive six (6) minute averaging periods at least twice per day during daylight operations, with at least four (4) hours between each set of readings, until a COMS is online.

(3) Method 9 readings may be discontinued once a COMS is online.

(4) Any opacity exceedances determined by Method 9 readings shall be reported with the Quarterly Opacity Exceedances Reports.

(e) 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 60 and/or 40 CFR 63).

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) 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.

(c) Whenever a continuous emission monitor other than an opacity monitor is malfunctioning or will be down for calibration, maintenance, or repairs for a period of four (4) hours or more, a calibrated backup CEMS shall be brought online within four (4) hours of shutdown of the primary CEMS, and shall be operated until such time as the primary CEMS is back in operation.

(d) Nothing in this permit shall excuse the Permittee from complying with the requirements to operate a continuous emission monitoring system pursuant to 326 IAC 2-2-3(a)(3) (PSD BACT).

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

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

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

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

C.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 prepared and submitted written emergency reduction plans (ERPs) consistent with safe operating procedures in 2000.

(b) 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]

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 Response to Excursions or Exceedances [326 IAC 2-7-5] [326 IAC 2-7-6]

(a) Upon detecting an excursion or exceedance, the Permittee shall restore operation of the emissions unit (including any control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.

(b) The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the

likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Corrective actions may include, but are not limited to, the following:

(1) initial inspection and evaluation;

(2) recording that operations returned to normal without operator action (such as through response by a computerized distribution control system); or

(3) any necessary follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.

(c) A determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include, but is not limited to, the following:

(1) monitoring results;

(2) review of operation and maintenance procedures and records; and/or

(3) inspection of the control device, associated capture system, and the process.

(d) Failure to take reasonable response steps shall be considered a deviation from the permit.

(e) The Permittee shall maintain the following records:

(1) monitoring data;

(2) monitor performance data, if applicable; and

(3) corrective actions taken.

C.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) Pursuant to 326 IAC 2-6-3(a)(1), the Permittee shall submit by July 1 of each year an emission statement covering the previous calendar year. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4(c) and shall meet the following requirements:

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

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

The statement must be submitted to:

Indiana Department of Environmental Management
Technical Support and Modeling Section, Office of Air Quality
100 North Senate Avenue
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).

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

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

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

(b) Unless otherwise specified in this permit, all record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance or ninety (90) days of initial start-up, whichever is later.

(c) If there is a reasonable possibility (as defined in 40 CFR 51.165(a)(6)(vi)(A), 40 CFR 51.165(a)(6)(vi)(B), 40 CFR 51.166(r)(6)(vi)(a), and/or 40 CFR 51.166(r)(6)(vi)(b)) that a "project" (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(ll)) at an existing emissions unit, other than projects at a source with a Plantwide Applicability Limitation (PAL), which is not part of a "major modification" (as defined in 326 IAC 2-2-1(ee) and/or 326 IAC 2-3-1(z)) may result in significant emissions increase and the Permittee elects to utilize the "projected actual emissions" (as defined in 326 IAC 2-2-1(rr) and/or 326 IAC 2-3-1(mm)), the Permittee shall comply with following:

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

(A) A description of the project.

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

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

(i) Baseline actual emissions;

(ii) Projected actual emissions;

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

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

(d) If there is a reasonable possibility (as defined in 40 CFR 51.165(a)(6)(vi)(A) and/or 40 CFR 51.166(r)(6)(vi)(a)) that a "project" (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(ll)) at an existing emissions unit, other than projects at a source with a Plantwide Applicability Limitation (PAL), which is not part of a "major modification" (as defined in 326 IAC 2-2-1(ee) and/or 326 IAC 2-3-1(z)) may result in significant emissions increase and the Permittee elects to utilize the "projected actual emissions" (as defined in 326 IAC 2-2-1(rr) and/or 326 IAC 2-3-1(mm)), the Permittee shall comply with following:

(1) Monitor the emissions of any regulated NSR pollutant that could increase as a result of the project and that is emitted by any existing emissions unit identified in (1)(B) above; and

(2) Calculate and maintain a record of the annual emissions, in tons per year on a calendar year basis, for a period of five (5) years following resumption of regular operations after the change, or for a period of ten (10) years following resumption of regular operations after the change if the project increases the design capacity of or the potential to emit that regulated NSR pollutant at the emissions unit.

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

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

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

Indiana Department of Environmental Management
Compliance and Enforcement Branch, 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) Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit “calendar year” means the twelve (12) month period from January 1 to December 31 inclusive.

(f) If the Permittee is required to comply with the recordkeeping provisions of (d) in Section C - General Record Keeping Requirements for any “project” (as defined in 326 IAC 2-2-1 (qq) and/or 326 IAC 2-3-1 (ll)) at an existing emissions unit, and the project meets the following criteria, then the Permittee shall submit a report to IDEM, OAQ:

(1) The annual emissions, in tons per year, from the project identified in (c)(1) in Section C- General Record Keeping Requirements exceed the baseline actual emissions, as documented and maintained under Section C- General Record Keeping Requirements (c)(1)(C)(i), by a significant amount, as defined in 326 IAC 2-2-1 (xx) and/or 326 IAC 2-3-1 (qq), for that regulated NSR pollutant, and

(2) The emissions differ from the preconstruction projection as documented and maintained under Section C - General Record Keeping Requirements (c)(1)(C)(ii).

(g) The report for project at an existing emissions unit shall be submitted within sixty (60) days after the end of the year and contain the following:

(1) The name, address, and telephone number of the major stationary source.

(2) The annual emissions calculated in accordance with (d)(1) and (2) in Section C - General Record Keeping Requirements.

(3) The emissions calculated under the actual-to-projected actual test stated in 326 IAC 2-2-2(d)(3) and/or 326 IAC 2-3-2(c)(3).

(4) Any other information that the Permittee deems fit to include in this report.

Reports required in this part shall be submitted to:

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

(h) The Permittee shall make the information required to be documented and maintained in accordance with (c) in Section C- General Record Keeping Requirements available for review upon a request for inspection by IDEM, OAQ. The general public may request this information from the IDEM, OAQ under 326 IAC 17.1.

Stratospheric Ozone Protection

C.22 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 EMISSIONS UNIT OPERATION CONDITIONS

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

(a) Quarry Activities:

(1) Removal and transfer of overburden material, drilling and blasting of limestone, and loading of raw materials using mobile equipment.

(b) Raw Material Sizing Activities:

(1) One (1) primary crusher, identified as Point 1-8 (201G) and one (1) vibrating feeder, identified as Point 1-9A (201V); both constructed in 1969, modified in 1998 and 1999, with a nominal capacity of 1,300 tons of limestone per hour, utilizing water mist suppression or equivalent dust suppression to control particulate emissions. Under 40 CFR 60, Subpart OOO, this is considered an affected facility.

(2) Outside storage piles, modified in 1999, utilizing water mist suppression or equivalent dust suppression to control particulate emissions

(3) Raw material sizing transfer equipment including:

(A) One (1) apron feeder, identified as Point 1-14 (206V), constructed in 1969 and modified in 1999, with a nominal throughput of 400 tons per hour, utilizing water mist suppression or equivalent dust suppression to control particulate emissions. Under 40 CFR 60, Subpart OOO, this is considered an affected facility.

(B) One (1) belt conveyor, identified as Point 1-9B (214V), constructed in 1969, with a nominal throughput of 1,300 tons per hour, utilizing water mist suppression or equivalent dust suppression to control particulate emissions.

(C) Three (3) pan feeders, identified as Point 1-11 (202V-204V), all constructed in 1969 and modified in 1999, with a nominal capacity of 1,300 tons per hour each, utilizing water mist suppression or equivalent dust suppression to control particulate emissions. Under 40 CFR 60, Subpart OOO, this is considered an affected facility.

(D) Three (3) belt conveyors, identified as Point 1-15 (215V, 305V, 251V), constructed in 1969, 1969, and 2000, respectively, with a nominal capacity of 1,300 tons per hour each, equipped with one (1) fabric filter system (FF 1-15, baghouse 209L) to control particulate emissions. Under 40 CFR 60, Subpart OOO, 215V is considered an affected facility.

(E) One (1) secondary crusher system, identified as SC-1, constructed in 2001, with a nominal capacity of 600 tons of limestone and additives per hour; controlled by six (6) baghouses/dust collectors 208L, 208L1, 210L, DC201, DC202 and DC203, exhausting to six (6) stacks 208L, 208L1, 210L, DC201 DC202 and DC203, respectively. The secondary crusher system is totally enclosed and consists of the following pieces of equipment:

(i) One (1) Hazemag single rotor impactor crusher, identified as GC202185.01, with a nominal capacity of 600 tons per hour, approved for construction in 2008, with emissions controlled by a baghouse, identified as 208L~~1~~ and exhausting through stack 208L~~1~~. Under 40 CFR 60, Subpart OOO, this is considered an affected facility.

(ii) Two (2) metso cone crushers, identified as GC202140.06 and GC202145.06, with a nominal capacity of 140 tons per hour, each, approved for construction in 2008, with emissions controlled by two (2) dust collectors, identified as DC201 and DC202 and exhausting through stacks DC201 and DC202. Under 40 CFR 60, Subpart OOO, this is considered an affected facility.

(iii) One (1) belt conveyor, identified as 202370, with a nominal capacity of 600 tons per hour, approved for construction in 2008, with emissions controlled by a dust collector, identified as DC203 and exhausting through stack DC203. Under 40 CFR 60, Subpart OOO, this is considered an affected facility.

(iv) One (1) belt conveyor, identified as Point 1-16A (202G2V2), with a nominal capacity of 525 tons per hour; one (1) crusher, identified as Point 1-16C (202G2), with a nominal capacity of 525 tons per hour; one (1) belt conveyor, identified as Point 1-16D (202G2V3), with a nominal capacity of 525 tons per hour; all constructed in 2001, equipped with one (1) fabric filter system (FF 1-16, baghouse 208L1) to control particulate emissions. Under 40 CFR 60, Subpart OOO, this is considered an affected facility.

(v) One (1) apron feeder, identified as Point 1-24 (202G2V1), with a nominal capacity of 600 tons per hour, constructed in 2001, utilizing water mist suppression or equivalent dust suppression to control particulate emissions. Under 40 CFR 60, Subpart OOO, this is considered an affected facility.

(vi) One (1) belt conveyor, identified as Point 1-25C (202G1V1); one (1) belt conveyor, identified as Point 1-25E (202G1V2); and one (1) belt conveyor, identified as Point 1-25F (202GV2); each with a nominal capacity of 600 tons per hour, all constructed in 2001, equipped with one (1) fabric filter system (FF 1-25, baghouse 208L) to control particulate emissions. Under 40 CFR 60, Subpart OOO, this is considered an affected facility.

(vii) One (1) screen, identified as Point 1-26C (204G); one (1) belt conveyor, identified as Point 1-26D (202GV3); and one (1) belt conveyor, identified as Point 1-26E (202GV4); each with a nominal capacity of 600 tons per hour, all constructed in 2001, equipped with one (1) fabric filter system (FF 1-26, baghouse 210L) to control particulate emissions. Under 40 CFR 60, Subpart OOO, this is considered an affected facility.

(c) One (1) gypsum material handling process, constructed in 2002, modified in 2009, with a nominal production of 150 tons per hour of the blended synthetic gypsum material or rock gypsum, including the following units:

(1) One (1) synthetic gypsum transporting system, identified as 1-47;

(2) Two (2) outdoor synthetic gypsum storage piles, identified as 62 and 64, with a nominal throughput of 268,056 tons per year, using wet suppression to control particulate emissions;

(3) Three (3) synthetic gypsum hoppers, twelve (12) screw conveyors, three (3) weigh belts, and three (3) tubular drag conveyors with a nominal throughput of 10.2 tons per hour each; and

(4) One (1) finished gypsum material hopper (234F) and two (2) conveyor belts (234V, 234FV), identified as 1-38, with a nominal throughput of 150 tons per hour. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(d) Raw Material Ball Mill Operation, with a nominal capacity of 360 tons of raw material per hour, including the following units:

(1) Raw material ball mill transfer equipment including four (4) belt conveyors, identified as Point 1-17A (252V-255V); four (4) raw material bins, identified as Point 1-17B (350F-353F); all constructed on April 1, 2000, with a nominal capacity of 525 tons per hour, equipped with one (1) fabric filter system (FF 1-17, baghouse 350L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(2) Four (4) weigh feeders, identified as Point 1-18A (350V-353V); one (1) conveyor belt, identified as Point 1-18B (358V); two (2) apron feeders, identified as Point 1-18C (350V1, 351V1); and two (2) scavenger conveyors, identified as Point 1 18D (350V2, 351V2); all constructed on April 1, 2000, with a nominal capacity of 400 tons per hour; all utilizing a building enclosure to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(3) One (1) alleviator (357F), identified as Point 1-7, constructed on April 1, 2000, with a nominal capacity of 20 tons per hour, equipped with one (1) fabric filter system (FF 1-7, baghouse 351L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(e) Fly Ash Storage and Additive Activities, including the following units:

(1) Two (2) rotary feeders (270V2, 271V2, one (1) weigh screw (275V), one (1) Pfister rotary feeder (276V), and one (1) weigh bin (273F) constructed March 2009. Two screw conveyors, identified as Point 1-19A (273V, 274V); one (1) fly ash hopper, identified as Point 1-19B (273FA); and one (1) FK pump (273JA); all constructed on April 1, 2000, and modified February 8, 2002, with exception of 273FA and 273JA which were constructed in 2003, each with a nominal capacity of 20 tons per hour, equipped with one (1) fabric filter system (FF 1-7, 273L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(2) One (1) fly ash silo, identified as Point 1-39 (270F), constructed on April 1, 2000, with a nominal capacity of 1,250 tons, equipped with one (1) fabric filter

system (FF 1-39, 270L, and baghouse 274L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(3) One (1) fly ash silo, identified as Point 1-40 (271F), constructed on April 1, 2000, with a nominal capacity of 1,250 tons, equipped with one (1) fabric filter system (FF 1-40, 271L, and baghouse 274L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(4) Two (2) additive silos, identified as Point 1-21A (318F, 328F), each with a nominal capacity of 500 tons, four (4) rotary feeders, identified as Point 1-21B (318V, 318VV, 328V, 328VV), with a nominal capacity of 30 tons per hour each; all constructed on May 17, 1996, equipped with one (1) fabric filter system (FF 1-21, baghouse 319L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(5) One (1) additive feed bin, identified as Point 1-22 (308F), constructed after August 17, 1971 and before May 17, 1996, with a nominal capacity of 200 tons, covered by a building enclosure (BE 1-22) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(6) Two (2) rotary feeders, identified as Point 1-23A (308V, 308VV), constructed in 1996; and one (1) weigh belt, identified as Point 1-23B (309V), constructed after August 17, 1971; each with a nominal capacity of 30 tons per hour, covered by a building enclosure (BE 1-23) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(f) Coal Mill Operation:

(1) Coal storage piles, modified in 1999, utilizing building enclosures (BE 2-1) or compaction (CMP 2 16) to control particulate emissions. Under 40 CFR 60, Subpart Y, this is considered an affected facility.

(2) Coal transfer equipment:

(A) Four (4) vibrating feeders, identified as Point 2-2A (209V-211V, 213V); one (1) belt conveyor, identified as Point 2-2B (222V); and one (1) coal grizzly, identified as Point 2-2C (223V); all constructed before 1974 and modified in 1999, with a nominal capacity of 100 tons per hour each, utilizing water mist suppression or equivalent dust suppression to control particulate emissions and covered by a building enclosure (BE 2-2) to control particulate emissions. Under 40 CFR 60, Subpart Y, this is considered an affected facility.

(B) One (1) belt conveyor, identified as Point 2-4 (420V), constructed before 1974 and modified in 2000, with a nominal capacity of 100 tons per hour, covered by a building enclosure (BE 2-4) to control particulate emissions. Under 40 CFR 60, Subpart Y, this is considered an affected facility.

(C) One (1) belt conveyor, identified as Point 2-6B (420V3), constructed on May 1, 2000, with a nominal capacity of 100 tons per hour, equipped with one (1) shared fabric filter system (FF 2-6, baghouse 420L2) to control particulate emissions. Under 40 CFR 60, Subpart Y, this is considered an affected facility.

(D) One (1) belt conveyor (420V1), constructed on May 1, 2000, with a nominal capacity of 100 tons per hour, equipped with one (1) fabric filter system (baghouse 420L1) which exhausts into the building. Under 40 CFR 60, Subpart Y, this is considered an affected facility.

(3) Three (3) coal reject piles, identified as Points 2-3, 2-5, and 2-15, modified in 1999, utilizing mist suppression or equivalent dust suppression to control particulate emissions. Under 40 CFR 60, Subpart Y, this is considered an affected facility.

(4) One (1) raw coal bin, identified as Point 2-9 (435F), constructed May 1, 2000, with a nominal capacity of 100 tons, equipped with one (1) fabric filter system (FF 2-9, baghouse 435L) to control particulate emissions. Under 40 CFR 60, Subpart Y, this is considered an affected facility.

(5) One (1) weigh feeder, identified as Point 2-10A (435V); and one (1) conveyor belt, identified as Point 2-10B (436V); all constructed on May 1, 2000, each with a nominal capacity of 61 tons per hour, covered by a building enclosure (BE 2-10) to control particulate emissions. Under 40 CFR 60, Subpart Y, this is considered an affected facility.

(6) One (1) coal mill, identified as Point 2-11A (436G), with a nominal capacity of 40 tons of coal per hour, using a fuel oil fired burner during startup, and when additional heat is needed, and clinker cooler gas at other times to remove moisture from the coal (Note: For the purposes of NSPS Subpart Y, this is also a thermal dryer); and three (3) screw conveyors, identified as Point 2-11B (436LV, 436L1V, 436GV1), each with a nominal capacity of 40 tons per hour; all constructed on May 1, 2000, one (1) coal mill reject screw identified as 351155, and equipped with one (1) fabric filter system (FF 2-11, baghouse 436L) to control particulate emissions. Under 40 CFR 60, Subpart Y, this is considered an affected facility.

(7) Two (2) screw conveyors, identified as Point 2-13B (437V, 438V), with a nominal capacity of 40 tons per hour; two (2) rotary feeders, identified as Point 2-13C (436LVV, 436L1VV), with a nominal capacity of 40 tons per hour; and one (1) pulverized coal bin, identified as Point 2-13A (438F), with a nominal capacity of 100 tons; all constructed on May 1, 2000, and equipped with one (1) fabric filter system (FF 2-13, baghouse 438L) to control particulate emissions. Under 40 CFR 60, Subpart Y, this is considered an affected facility.

(g) One (1) alternate raw material feed system, approved for construction in 2007, operating at a maximum capacity of 20 tons per hour each, and consisting of the following pieces of equipment:

(1) Slag pile, identified as one of the materials identified in Point 1-13, controlled with water mist spray as needed.

(2) One (1) slag hopper, identified as 301132.01, with emissions uncontrolled. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(3) One (1) weight feeder, identified as 289V, with emissions uncontrolled. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(4) One (1) covered belt conveyor~~s~~, identified as GC301132.05, and one (1)

screw conveyor identified as 301132.08, exhausting to kiln stack 3-1. The exhaust from Stack 3-1 is controlled by electrostatic precipitator 402L. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(5) One (1) bucket elevator, identified as 292V, exhausting to kiln stack 3-1. The exhaust from Stack 3-1 is controlled by electrostatic precipitator 402L. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(6) Paved delivery roads with particulate emissions controlled by vacuum sweeping.

(h) Kiln Operation, with a nominal capacity of 360 tons of dry raw feed per hour and 208 tons clinker per hour:

(1) One (1) hammermill dryer, identified as Point 3-1C (440G), constructed on May 1, 2000, with a nominal capacity of 258 tons per hour, equipped with one (1) electrostatic precipitator (402L) with a 2,000 HP motor to control particulate emissions, exhausting to stack 3-1. Under 40 CFR 63, Subpart EEE, this is considered an affected source.

(2) One (1) pre-heater, pre-calciner Portland cement kiln, originally constructed in 1966 and modified to the semi-dry system in 2000. The semi-dry kiln system includes one (1) coal-fired calciner tower with staged combustion, identified as Point 3-1B (440PH), and one (1) rotary kiln, identified as Point 3-1A (401B), with a combined nominal rated capacity of 827 million British thermal units per hour. An oxygen enrichment system, constructed in 2006, introduces oxygen into the first stage pre-calciner and the front end of the rotary kiln. The semi-dry kiln system has a nominal rated clinker capacity of 208 tons per hour, using coal and the following supplemental fuels:

(A) hazardous waste fuel at a maximum rate allowed by the approved Boiler and Industrial Furnace Permit required by 40 CFR 270;

(B) plastic chips, carpet fibers, paper products, wood chips, chipped tires, toner, cosmetics, seed corn, and oil absorbent material including oil filter fluff;

(C) petroleum coke; and

(D) distillate fuel for burner startup activities.

The particulate emissions from the calciner and kiln are controlled by one (1) electrostatic precipitator (402L) with a 2000 HP motor, exhausting to stack 3-1. Under 40 CFR 63, Subpart EEE, this is considered an affected source. Under 40 CFR 61, Subpart FF, Point 3-1A (401B) is considered an affected source.

(3) Nine (9) screw conveyors, identified as Point 3-1D (403V-410V, 404FV), constructed in 1968 and modified in 1999; and one (1) kiln dust chamber, identified as Point 3-1F (401BF1), constructed on January 1, 1969; each with a nominal capacity of (10) tons per hour; with particulate emissions controlled by one (1) electrostatic precipitator (402L) with a 2000 HP motor, exhausting to stack 3-1. Under 40 CFR 63, Subpart EEE, Point 3-1D (403V-410V, 404FV) is considered an affected source.

(4) One (1) return dust bin, identified as Point 3-3A (405F), constructed before

1971 and modified in 1999, with a nominal capacity of 100 tons; one (1) waste dust bin, identified as Point 3-3F (404F), constructed before 1971 and modified in 1999, with a nominal capacity of 75 tons; one (1) hopper, identified as Point 3-3C (445F), constructed on May 1, 2000, with a nominal capacity of 60 tons per hour; two (2) bucket elevators, identified as Point 3-3G (411V, 413V), constructed before August 17, 1971, with a nominal capacity of 60 tons per hour; and one (1) rotary feeder, identified as Point 3-3H (405FVV); one (1) screw conveyor, identified as Point 3-3I (405FVV1), both constructed in 2003, each with a nominal capacity of 60 tons per hour; and three (3) screw conveyors, identified as 305287, 305288, and 305289; all equipped with one fabric filter system (FF 3-3, baghouse 403L) to control particulate emissions.

(5) One (1) non-routine raw material dust truck loading station, constructed before 1971 and modified in 1999, covered by a building enclosure (BE 3-25) to control particulate emissions.

(6) One (1) conditioning tower, identified as Point 3-5A (480F), with a nominal capacity of 40 tons per hour, using lime injection to control sulfur dioxide emissions; and one (1) alkali bypass system, identified as Point 3-5B, one (1) hopper, identified as Point 3-5C (484F), with a nominal capacity of ten (10) tons per hour; one (1) dust cyclone, identified as Point 3-5D (480FL), with a nominal capacity of 31 tons per hour; four (4) screw conveyors, identified as Point 3-5E (480LV1-LV3, 480V), each with a nominal capacity of ten (10) tons per hour; one (1) weigh hopper, identified as Point 3-5I (481FF); and one (1) pug mill, identified as Point 3-5J (484L); all constructed on May 1, 2000; all equipped with one (1) fabric filter system (FF 3-5, baghouse 480L), which exhausts to stack 3-1, to control particulate emissions. Under 40 CFR 63, Subpart EEE, this is considered an affected source.

(7) One (1) reject dust bin for cement kiln dust, identified as Point 3-7A (481F), with a nominal capacity of 150 tons, constructed on May 1, 2000, equipped with one (1) fabric filter system (FF 3-7, baghouse 483L) to control particulate emissions.

(8) One (1) alkali bypass system cement kiln dust truck loading station, identified as Point 3-8, constructed in 2000, utilizing mist suppression or equivalent dust suppression to control particulate emissions.

(9) One (1) non-routine CKD loadout station, including one (1) screw conveyor, identified as Point 3-4B (412V), constructed in 2001, with a nominal capacity of 10 tons per hour, utilizing water mist suppression to control particulate emissions.

(i) Clinker Cooler Operations, with a nominal capacity of 208 tons of clinker per hour:

(1) One (1) clinker cooler, identified as Point 3-9A (401C), constructed before August 17, 1971 and modified in 2000, with a nominal capacity of 208 tons per hour; one (1) clinker breaker, identified as Point 3-9B (401CG), constructed on January 1, 1969 and modified in 2000, with a nominal capacity of 208 tons per hour; one (1) dropout chamber, identified as Point 3-9C (401CL), constructed January 1, 1969, with a nominal capacity of 20 tons per hour; two (2) vibrating feeders, identified as Point 3-9F (427V, 428V), constructed before August 17, 1971 and modified in 2000, with a nominal capacity of 208 tons per hour each; and one (1) drag conveyor, identified as Point 3-9G (401CV), and eight (8) screw conveyors (422V, 470CV2, 470CV3, 470CV9, 470CV10, 474V-476V),

all constructed before August 17, 1971 and modified in 2001, each with a nominal capacity of ten (10) tons per hour; all equipped with one (1) fabric filter system (FF 3-9, baghouse 471-CL) to control particulate emissions, exhausting to stack 3-2. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(2) Two (2) belt conveyors, identified as Point 3-11A (421V, 509V); and two (2) bucket elevators, identified as Point 3-11B (418V, 419V); all constructed before 1971 and modified in 2000, with a nominal capacity of 208 tons per hour each (note that belt conveyor (421V) is a non-routine belt; all equipped with one (1) fabric filter system (FF 3-11, baghouse 406L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(3) One (1) non-routine outdoor clinker pile, identified as Point 3-13, modified in 1999, utilizing water mist suppression or equivalent dust suppression to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(4) One (1) belt conveyor (turning tower), identified as Point 3-12 (510V), constructed before 1971 and modified in 2000, with a nominal capacity of 208 tons per hour, equipped with one (1) fabric filter system (FF 3-12, baghouse 506L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(5) One (1) bucket elevator, identified as Point 3-22 (500V), constructed on October 1, 1999, with a nominal capacity of 250 tons per hour, equipped with one (1) fabric filter system (FF 3-22, baghouse 500L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(6) Two (2) feeders, identified as Point 3-24A (207F, 208F); and one (1) belt conveyor, identified as Point 3-24B (219V); each constructed before August 17, 1971, with a nominal capacity of 300 tons per hour each, equipped with one (1) fabric filter system (FF 3-24, baghouse 220L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(7) Seven (7) clinker silos, identified as Point 3-14 (501A-507A), constructed before 1971 and modified in 1999, each with a nominal capacity of 5000 tons, equipped with two (2) fabric filter system (FF 3-14, baghouses 503L and 503L1) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(8) One (1) belt conveyor, identified as Point 3-21 (220V), constructed before August 17, 1971, equipped with one (1) fabric filter system (FF 3-21, baghouse 221L) which was installed in 2001 to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(j) Finish Mill Operations:

(1) Four (4) vibrating feeders, identified as Point 3-15 (504V-507V), constructed before 1971 and modified in 1999, with a nominal capacity of 250 tons per hour each, equipped with one (1) fabric filter system (FF 3-15, baghouse 505L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is

considered an affected source.

(2) Four (4) vibrating feeders, identified as Point 3-17A (501V-503V, 508V); and one (1) belt conveyor, identified as Point 3-17B (221V); with a nominal capacity of 250 tons per hour each; all constructed before 1971 and modified in 1999, equipped with one (1) fabric filter system (FF 3-17, baghouse 504L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(3) Two (2) belt conveyors, identified as Point 3-20B (514V, 511V), constructed before August 17, 1971; one (1) bucket elevator, identified as Point 3-20A (513V), constructed on June 1, 2000; and one (1) belt conveyor, identified as 511V2, constructed in 2003; each with a nominal capacity of 250 tons per hour, 514V, 511V, and 513V are equipped with one (1) fabric filter system (FF 3-20, baghouse 513L) to control particulate emissions. 511V2 is equipped with baghouse 507L to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(4) One (1) belt conveyor, identified as Point 4-13A (515V), constructed in 1969 and modified in 2000, with a nominal capacity of 250 tons per hour; and four (4) silos, identified as Point 4-13B; 652A, constructed on January 1, 1969, with a nominal capacity of 2,260 tons, equipped with one (1) fabric filter system (FF 4-13, baghouse 515L) to control particulate emissions. 650A, 651A, and 653A, constructed on January 1, 1969 with a nominal capacity of 2,440; 2,315; and 200 tons, respectively, and controlled by baghouses 760L, 761L, and 762L, respectfully, (constructed in 2006) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(5) One (1) belt conveyor, identified as Point 4-14 (516V), constructed on January 1, 1969, with a nominal capacity of 250 tons per hour, equipped with one (1) fabric filter system (FF 4-14, baghouse 516L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(6) No. 1 Finish Mill, modified in 1993, with a nominal capacity of 70 tons of clinker per hour:

(A) Two (2) belt conveyors, identified as Point 4-1A (639V, 640V), constructed in 1971 and modified in 1999, with a nominal capacity of 250 tons per hour each; one (1) clinker bin, identified as Point 4-1B (601F), constructed before 1971 and modified in 1999, with a nominal capacity of 260 tons; one (1) gypsum bin, identified as Point 4-1C (603F), constructed before 1971 and modified in 1999, with a nominal capacity of 240 tons per hour; one (1) spill screw, identified as Point 4-1D (646V), constructed in 2002, with a nominal capacity of five (5) tons per hour; and one (1) belt conveyor, identified as 614V, modified in 2003, with a maximum capacity of 250 tons of clinker per hour; all equipped with one (1) fabric filter system (FF 4-1, baghouse 617L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(B) One (1) No. 1 finish mill, identified as Point 4-2A (603G), constructed before 1971 and modified in 1999, with a nominal capacity of 70 tons of clinker per hour; one (1) elevator, identified as Point 4-2B (626V), constructed before 1971 and modified in 1999, with a nominal

capacity of 200 tons per hour; and one (1) spill screw, identified as Point 4-2D (642V), constructed 1969 and modified in 1999, with a nominal capacity of five (5) tons per hour; all equipped with one (1) fabric filter system (FF 4-2, baghouse 613L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(C) One (1) air separator, identified as Point 4-3A (605G), constructed in 1994 and modified in 1999, with a nominal capacity of 200 tons per hour; one (1) tailing screw, identified as Point 4-3D (613V), constructed in 1969 and modified in 1999, with a nominal capacity of 200 tons per hour; two (2) cement coolers, identified as Point 4-3E (603C, 604C), constructed in 1969 and modified in 1999, with a nominal capacity of 70 tons of clinker per hour each; one (1) F.K. pump hopper, identified as Point 4-3G (611F), constructed in 1969 and modified in 1999, with a nominal capacity of 70 tons of clinker per hour; one (1) mill feed belt, identified as Point 4-3H (641V), constructed in 1974 and modified in 1999, with a nominal capacity of 70 tons of clinker per hour; and one (1) clinker F.O.W. belt, identified as Point 4-3I (601V), constructed before 1971 and modified in 1999, with a nominal capacity of 70 tons per hour; equipped with one (1) fabric filter system (FF 4-3, baghouse 606L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(D) One (1) fringe bin for off-specification cement and cement kiln dust, identified as Point 4-16A (604F), constructed before August 17, 1971, with a nominal capacity of 66 tons; and two (2) screw feeders, identified as Point 4-16B (611V, 604F1V), constructed on January 1, 1969, with a nominal capacity of 20 tons per hour each; equipped with one (1) fabric filter system (FF 4-16, baghouse 605L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(E) One (1) weigh belt, identified as Point 4-15A (605V), and one (1) belt conveyor, identified as Point 4-15B (616V), constructed before 1974, covered by a building enclosure to control particulate matter. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(7) No. 2 Finish Mill, with a capacity of 70 tons of clinker per hour:

(A) Two (2) conveyor belts, identified as Point 4-4A (639V, 640V), constructed 1969 and modified in 1999, with a nominal capacity of 250 tons per hour; one (1) clinker bin, identified as Point 4-4B (602F), constructed before 1971 and modified in 1999, with a nominal capacity of 260 tons; one (1) gypsum bin, identified as Point 4-4C (603F), constructed before 1971 and modified in 1999, with a nominal capacity of 240 tons; one (1) clinker F.O.W. belt, identified as Point 4-4D, (602V), constructed before 1971 and modified in 1999, with a nominal capacity of 70 tons per hour; and one (1) feed belt, identified as Point 4-4E (644V), constructed in 1975 and modified in 1999, with a nominal capacity of 70 tons of clinker per hour; all equipped with one (1) fabric filter system (FF 4-4, baghouse 636L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(B) One (1) No. 2 finish mill, identified as Point 4-5A (602G), constructed before 1971 and modified in 1999, with a nominal capacity of 70 tons of clinker per hour; and one (1) spill screw, identified as Point 4-5B (645V), constructed in 1969 and modified in 1999, with a nominal capacity of 5 tons per hour; all equipped with one (1) fabric filter system (FF 4-5, baghouse 603L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(C) One (1) air separator, identified as Point 4-6A (604G), constructed before 1971 and modified in 1999, with a nominal capacity of 200 tons per hour; one (1) elevator, identified as Point 4-6B (621V), constructed before 1971 and modified in 1999, with a nominal capacity of 200 tons per hour; one (1) tailing screw, identified as Point 4-6D (612V), constructed in 1969 and modified in 1999, with a nominal capacity of 200 tons per hour; two (2) cement coolers, identified as Point 4-6E (601C, 602C), constructed in 1969 and modified in 1999, with a nominal capacity of 70 tons of clinker per hour each; one (1) F.K. pump hopper, identified as Point 4-6F (610F), constructed in 1969 and modified in 1999, with a nominal capacity of 70 tons of clinker per hour; and one (1) mill feed belt, identified as Point 4-6G (644V), constructed in 1975 and modified in 1999, with a nominal capacity of 70 tons of clinker per hour; all equipped with one (1) fabric filter system (FF 4-6, baghouse 602L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(8) No. 3 Finish Mill, with a nominal capacity of 95 tons of clinker per hour:

(A) One (1) No. 3 finish mill, identified as Point 4-9 (660G), constructed on June 1, 2000, with a nominal capacity of 95 tons of clinker per hour, equipped with one (1) fabric filter system (FF 4-9, baghouse 660L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(B) One (1) hopper, identified as Point 4-10C (667F), with a nominal capacity of 95 tons of clinker per hour; one (1) cooler, identified as Point 4-10D (664C), with a nominal capacity of 95 tons of clinker per hour; and one (1) feed belt, identified as Point 4-10E (654V), with a nominal capacity of 95 tons of clinker per hour; all constructed on June 1, 2000, equipped with one (1) fabric filter system (FF 4-10, baghouse 661L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(C) One (1) fringe bin for off-specification cement and cement kiln dust, identified as Point 4-11B (665F), with a nominal capacity of 80 tons; one (1) elevator, identified as Point 4-11C (661V), with a nominal capacity of 230 tons per hour equipped with one (1) clean-up hopper and one (1) clean-up screw 509530; and one (1) rotary feeder, identified as Point 4-11D (665FV), with a nominal capacity of 50 tons per hour; all constructed on June 1, 2000 and equipped with one (1) fabric filter system (FF 4-11, baghouse 665L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(D) One (1) air separator, identified as Point 4-12A (664G), constructed on June 1, 2000, with a nominal capacity of 230 tons per hour, and equipped with one (1) fabric filter system (FF 4-12, baghouse 664L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(E) Two (2) weigh feeders, identified as Point 4-17 (652V, 653V), constructed on January 1, 1969; and two (2) weigh feeders (650V, 651V), constructed on January 1, 1969, equipped with two (2) dust collectors (650L, 651L), installed in 2000, venting indoors; with a nominal capacity of 40 tons per hour each, covered by a building enclosure (BE 4-17) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(k) Cement Storage, Loading, and Packaging Activities:

(1) Three (3) Group 5 silos, identified as Point 5-1 (705A, 707A, 709A), constructed before 1971 and modified in 1999, with a nominal storage capacity of 10,000 tons each, with particulate emission controlled by one (1) fabric filter system (FF 5-1, baghouse 757L). Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(2) Three (3) Group 5 silos, identified as Point 5-2 (706A, 708A, 710A), constructed before 1971 and modified in 1999, with a nominal storage capacity of 10,000 tons each, with particulate emissions controlled by one (1) fabric filter system (FF 5-2, baghouse 758L). Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(3) Two (2) Group 4 silos, identified as Point 5-3 (702A, 704A), constructed in 1967 and modified in 1999, with a nominal storage capacity of 5,000 tons each, with particulate emissions controlled by one (1) fabric filter system (FF 5-3, baghouse 702L). Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(4) Two (2) Group 4 silos, identified as Point 5-4 (701A, 703A), constructed in 1967 and modified in 1999, with a nominal storage capacity of 5,000 tons each, with particulate emissions controlled by one (1) fabric filter system (FF 5-4, baghouse 701L). Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(5) Two (2) silos, identified as Point 5-29 (711A, 712A), constructed on January 1, 1969, with a nominal storage capacity of 5,000 tons each, with particulate emissions controlled by one (1) fabric filter system (FF 5-29, baghouse 713L). Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(6) One (1) screen, identified as Point 5-5C (701G), constructed before 1971 and modified in 1999; and one (1) truck loader, identified as Point 5-5D (708L), constructed before 1971 and modified in 1999; each with a nominal capacity of 500 tons per hour, equipped with one (1) fabric filter system (FF 5-5, baghouse 703L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(7) One (1) screen, identified as Point 5-6B (702G), constructed before 1971 and modified in 1999; and one (1) railcar/truck loader, identified as Point 5-6C

(709L), constructed before 1971 and modified in 1999; each with a nominal capacity of 500 tons per hour, equipped with one (1) fabric filter system (FF 5-6, baghouse 706L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(8) One (1) hopper, identified as Point 5-7B (701F), constructed before 1971 and modified in 1999, with a nominal capacity of 40 tons per hour, equipped with one (1) fabric filter system (FF 5-7, baghouse 710L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(9) One (1) hopper, identified as Point 5-8 (730F), constructed before 1971 and modified in 1999, with a nominal capacity of 40 tons per hour, equipped with one (1) fabric filter system (FF 5-8, baghouse 715L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(10) Three (3) screw conveyors, identified as Point 5-9A (809V, 809V1, 809V2), constructed before 1971, with a nominal capacity of 40 tons per hour each; one (1) alleviator, identified as Point 5-9C, constructed before 1971, with a nominal capacity of 40 tons per hour; and fourteen (14) Group 2 silos, identified as Point 5-9B (2S-7S, 9S, 11S-17S), constructed in 1924, with a combined nominal capacity of 24,842 tons; all equipped with one (1) fabric filter (FF 5-9, baghouse 808L) to control particulate matter. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(11) One (1) silo, identified as Point 5-10 (8S), constructed in 1924 and modified in 1999, with a nominal capacity of 5420 tons, equipped with one (1) fabric filter system (FF 5-10, baghouse 807L) for particulate control. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(12) One (1) silo, identified as Point 5-11 (10S), constructed in 1924 and modified in 1999, with a nominal capacity of 5420 tons, equipped with one (1) fabric filter system (FF 5-11, baghouse 810L) for particulate control. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(13) Four (4) Group 3 silos, identified as Point 5-13 (26S, 27S, 28S, and 29S), constructed in 1924 and modified in 1999, with a nominal capacity of 2,736 tons each, equipped with one (1) fabric filter system (FF 5-13, baghouse 27DC) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(14) Three (3) Group 3 silos, identified as Point 5-14 (18S, 20S, 22S), constructed in 1924 and modified in 1999, with a nominal capacity of 3,112 tons each, equipped with one (1) fabric filter system (FF 5-14, baghouse 22DC) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(15) Two (2) Group 3 silos, identified as Point 5-15 (24S, 30S), constructed in 1924 and modified in 1999, with a nominal capacity of 2,780 tons each, equipped with one (1) fabric filter system (FF 5-15, baghouse 24DC) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(16) Four (4) Group 3 silos, identified as Point 5-17 (19S, 21S, 23S, 25S),

constructed in 1924 and modified in 1999, with a nominal capacity of 2,736 tons each, equipped with one (1) fabric filter system (FF 5-17, baghouse 25DC) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(17) One (1) screen elevator, identified as Point 5-18 (829V2), constructed before 1971, with a nominal capacity of 40 tons per hour, covered by a building enclosure (BE 5-18) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(18) One (1) elevator, identified as Point 5-19 (829V1), constructed before 1971, with a nominal capacity of 40 tons per hour, covered by a building enclosure (BE 5-19) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(19) Two (2) bulk tanks, identified as Point 5-23A (831F, 833F), with a nominal capacity of 20 tons each; and one (1) truck loader, identified as Point 5-23C, with a nominal capacity of 40 tons per hour; all constructed before 1971 and modified in 1999, except for 831V2 which was constructed in 2003, and equipped with one (1) fabric filter system (FF 5-23, baghouse 833L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(20) Three (3) bulk tanks, identified as Point 5-24A (832F, 834F, 835F), with a nominal capacity of 20 tons each, constructed before 1950 and modified in 1999, and equipped with one (1) fabric filter system (FF 5-24, baghouse 835L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(21) One (1) silo, identified as Point 5-26A (782F), with a nominal capacity of 2,430 tons; and one (1) bucket elevator, identified as Point 5-26B (781V), with a nominal capacity of 500 tons per hour; all constructed on December 1, 2000, and equipped with one (1) fabric filter system (FF 5-26, baghouse 782L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(22) One (1) lump breaker, identified as Point 5-27B (783V3); one (1) spout, identified as Point 5-27C (785L); and one (1) truck loader, identified as Point 5-27D; all constructed on December 1, 2000, with a nominal capacity of 500 tons per hour each, and equipped with one (1) fabric filter system (FF 5-27, baghouse 783L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(23) One (1) lump breaker, identified as Point 5-28B (784V3); one (1) spout, identified as Point 5-28C (786L); and one (1) truck loader, identified as Point 5-28D; all constructed on December 1, 2000, with a nominal capacity of 500 tons per hour each, and equipped with one (1) fabric filter system (FF 5-28, baghouse 784L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(24) Five (5) screw conveyors, identified as Point 5-30B (755V, 759V-762V), constructed in 1978; six (6) rotary feeders, identified as Point 5-30C (755M-760M), constructed in 1978; and one (1) hopper, identified as Point 5-30D (750F), constructed before August 17, 1971; with a nominal capacity of 40 tons per hour each, covered by a building enclosure (BE 5-30) to control

particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(25) Nineteen (19) screw conveyors, identified as Point 5-33A (818V1-825V1, 818V2-825V2, 828V1, 828V2, 830V); and three (3) screen screws, identified as Point 5-33B (806V, 829V4, 830V1); all constructed before 1950, with a nominal capacity of 40 tons per hour each, and covered by a building enclosure (BE 5-33) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(l) One (1) blend facility, consisting of the following units:

(1) Five (5) screw conveyors, identified as Point 5-35A (22SC, 24SCG, 24SC, 30SC, 31SC), all constructed in 1989, with a nominal capacity of 40 tons per hour each, covered by a building enclosure (BE 5-35) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(2) One (1) transfer pod, identified as Point 5-36 (22) constructed in August 1989, with a nominal area of 25 cubic feet, equipped with one (1) fabric filter system (FF 5-36, filter 22-PVDC) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(3) One (1) transfer pod, identified as Point 5-37 (24-G), constructed in August 1989, with a nominal area of 25 cubic feet, equipped with one (1) fabric filter system (FF 5-37, filter 24-PVDC-G) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(4) One (1) transfer pod, identified as Point 5-38 (24), constructed in August 1989, with a nominal area of 25 cubic feet, equipped with one (1) fabric filter system (FF 5-38, filter 24-PVDC) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(5) One (1) transfer pod, identified as Point 5-39 (30), constructed in August 1989, with a nominal area of 25 cubic feet, equipped with one (1) fabric filter system (FF 5-39, filter 30-PVDC) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(6) One (1) receiving tank, identified as Point 5-40, constructed in August 1989, with a nominal capacity of 20 tons, equipped with one (1) fabric filter system (FF 5-40, baghouse 40-DC) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(7) One (1) blending tank, identified as Point 5-41A, with a nominal capacity of 20 tons; and one (1) blending pod, identified as Point 5-41C, with a nominal capacity of 25 cubic feet; all constructed in August 1989, equipped with one (1) fabric filter system (FF 5-41, baghouse 41-DC) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(8) Two (2) silos, identified as Point 5-42 (50S, 51S), constructed August 1989, with a nominal capacity of 175 tons each, equipped with one (1) fabric filter system (FF 5-42, baghouse 50-DC) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(9) Two (2) silos, identified as Point 5-43 (52S, 53S), constructed August 1989, with a nominal capacity of 175 tons each, equipped with one (1) fabric filter system (FF 5-43, baghouse 53-DC) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(10) One (1) transfer pod, identified as Point 5-44B (50PV), constructed in August 1989, with a nominal capacity of 40 tons per hour, equipped with one (1) fabric filter system (FF 5-44, filter 50-PVDC) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(m) Packhouse operations consisting of the following:

(1) One (1) elevator, identified as Point 6-1A (838V), constructed in 1945; one (1) packer bin, identified as Point 6-1B (Bin #1), constructed in 1946; one (1) packing machine, identified as Point 6-1C (842LF), constructed in 1945; two (2) circulating tanks, identified as Point 6-1D (842F, 842FA), constructed in 1946; two (2) rotary feeders, identified as Point 6-1E (842M, 842MA), constructed in 1946; and four (4) screw conveyors, identified as Point 6-1F (842LV1, 837V, 837V1, 831V2), constructed in 1945; all modified in 1999, with a nominal capacity of 34 tons per hour each, and equipped with one (1) fabric filter system (FF 6-1, baghouse 842L) for particulate control. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(2) One (1) elevator, identified as Point 6-2A (838V1), constructed in 1945; one (1) packer bin, identified as Point 6-2B (Bin #2), constructed in 1946; one (1) packing machine, identified as Point 6-2C (843LF), constructed in 1945; two (2) circulating tanks, identified as Point 6-2D (843F, 843FA), constructed in 1945; two (2) rotary feeders, identified as Point 6-2E (843M, 843MA), constructed before 1971; and four (4) screw conveyors (843LV1, 817V1, 817V3, 817V7), identified as Point 6-2G; constructed in 1945; all modified in 1999, with a nominal capacity of 46 tons per hour each, and equipped with one (1) fabric filter system (FF 6-2, baghouse 843L) for particulate control. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(3) One (1) elevator, identified as Point 6-3A (838V2), constructed in 1945; one (1) packer bin, identified as Point 6-3B (Bin #3), constructed in 1946; one (1) packing machine, identified as Point 6-3C (844LF), constructed in 1945; two (2) circulating tanks, identified as Point 6-3D (844F, 844FA), constructed in 1945; two (2) rotary feeders, identified as Point 6-3E (844M, 844MA), constructed before 1971; and one (1) screw conveyor, identified as Point 6-3F (844LV1), constructed before 1971; all modified in 1999, with a nominal capacity of 65 tons per hour each, and equipped with one (1) fabric filter system (FF 6-3, baghouse 844L) for particulate control. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(4) One (1) elevator, identified as Point 6-4A (838V3), constructed in 1945; one (1) packer bin, identified as Point 6-4B (Bin #4), constructed in 1946; one (1) packing machine, identified as Point 6-4C (845LF), constructed in 1945; two (2) circulating tanks, identified as Point 6-4D (845F, 845FA), constructed in 1945; two (2) rotary feeders, identified as Point 6-4E (845M, 845MA), constructed before 1971; and one (1) screw conveyor, identified as Point 6-4F (845LV1), constructed before 1971; all modified in 1999, with a nominal capacity of 40 tons per hour each, and equipped with one (1) fabric filter system (FF 6-4, baghouse 845L) for particulate control. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(5) Fourteen (14) conveyors, identified as Point 6-5 (842V-846V, 848V, 845V1, 847V1, 847V2, 848V1, 848V2, 849V1, 849V2, 849V3), constructed before 1971, with a nominal capacity of 185 tons per hour each, covered by a building enclosure (BE 6-5) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(6) Two (2) palletizers, identified as Point 6-6 (900H, 901H), constructed before 1971, with a nominal capacity of 185 tons per hour each, covered by a building enclosure (BE 6-6) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(7) One (1) truck loader, identified as Point 6-7, constructed before 1971, with a nominal capacity of 185 tons per hour, covered by a building enclosure (BE 6 7) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(n) Ten (10) above-ground, liquid organic waste tanks, identified as Tanks 1-10, Tanks 1-7 constructed in 1988, Tank 8 (Burn Tank #8) constructed in 1999, and Tanks 9 and 10 approved for construction in 2009 with a combined nominal storage capacity of 700,000 gallons, with VOC and HAP emissions controlled by an existing vapor balancing system and a closed vent, carbon adsorption vapor system that exhausts to the existing tank farm stack identified as S-001. Under 40 CFR 60, Subpart Kb, this is considered an affected facility.

(o) One (1) truck unloading, identified as 240F, approved for construction in 2007, for unloading and pneumatically conveying alternative fuel (spent pot liner) to a silo, with a maximum throughput capacity of 33 tons per hour, with a maximum storage capacity of 700 tons, with particulate emissions controlled by a dust collector (identified as 240L), and exhausting to stack 240L. This is an affected facility under 40 CFR 63, Subpart LLL.

(p) One (1) enclosed pneumatic conveyance system, identified as 241F, approved for construction in 2007, for pneumatically conveying alternative fuel (spent pot liner) from the silo to the cement kiln, with a maximum throughput capacity of four (4) tons per hour, with particulate emissions controlled by a bin vent filter (identified as 241L), and exhausting to stack 241L. This is an affected facility under 40 CFR 63, Subpart LLL.

(q) One (1) portable screen and conveyor unit for the sizing of plant materials with a nominal throughput of 100 tons per hour, including reclamation of partially formatted clinker product, including the following units:

(1) One (1) vibrating feeder

(2) One (1) portable vibrating screen

(3) One (1) conveyor belt

Under 40 CFR 60, Subpart OOO, this is considered an affected facility.

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

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

D.1.1 PSD BACT Limit [326 IAC 2-2-3]

(a) Pursuant to CP133-10159-00002, issued on April 16, 1999, and 326 IAC 2-2-3 (Prevention of Significant Deterioration BACT), the following limitations apply to the following units:

Units	Emission Point	Filterable PM Limits	Filterable PM10 Limits
one (1) belt conveyor (251V)	FF 1-15 (209L)	0.015 gr/dscf 1.60 lbs/hr	0.015 gr/dscf 1.60 lbs/hr
four (4) belt conveyors (252V-255V) four (4) raw material bins (350F-353F)	FF 1-17 (350L)	0.010 gr/dscf 1.08 lbs/hr	0.010 gr/dscf 1.08 lbs/hr
one (1) fly ash silo (270F) one (1) fly ash silo (271F)	FF 1-39 (270L) FF 1-40 (271L	0.015 gr/dscf 0.11 lbs/hr	0.015 gr/dscf 0.11 lbs/hr
one (1) alleviator	FF 1-7 (351L)	0.010 gr/dscf 0.17 lbs/hr	0.010 gr/dscf 0.17 lbs/hr
two (2) screw conveyors (273V, 274V) two (2) fly ash hoppers (273F, 273FA)	FF 1-20 (274L)	0.010 gr/dscf 0.26 lbs/hr	0.010 gr/dscf 0.26 lbs/hr
one (1) raw coal bin (435F)	FF 2-9 (435L)	0.010 gr/dscf 0.33 lbs/hr	0.010 gr/dscf 0.33 lbs/hr
one (1) coal mill (436G) three (3) screw conveyor (436LV, 436L1V, 436GV1)	FF 2-11 (436L)	0.010 gr/dscf 4.45 lbs/hr	0.010 gr/dscf 4.45 lbs/hr
two (2) screw conveyors (437V, 438V) two (2) rotary feeders (436LVV, 436L1VV) one (1) pulverized coal bin (438F)	FF 2-13 (438L)	0.010 gr/dscf 0.14 lbs/hr	0.010 gr/dscf 0.14 lbs/hr
one (1) belt conveyor (420V3)	FF 2-6 (420L2)	0.010 gr/dscf 0.17 lbs/hr	0.010 gr/dscf 0.17 lbs/hr
one (1) belt conveyor (420V1)	420L1 (vent indoor)	0.010 gr/dscf 0.17 lbs/hr	0.010 gr/dscf 0.17 lbs/hr
one (1) hammermill dryer (440G) one (1) calciner tower (440PH) one (1) rotary kiln (401B) one (1) alkali bypass system (3-5B)	Stack 3-1	0.016 gr/dscf 91.3 lbs/hr	0.014 gr/dscf 88.7 lbs/hr
one (1) return dust bin (405F) one (1) waste dust bin (404F)	FF 3-3 (403L)	0.020 gr/dscf 1.40 lbs/hr	0.020 gr/dscf 1.40 lbs/hr
one (1) reject dust bin for cement kiln dust (481F)	FF 3-7 (483L)	0.010 gr/dscf 0.64 lbs/hr	0.010 gr/dscf 0.64 lbs/hr
one (1) clinker cooler (401C) one (1) clinker breaker (401CG) one (1) dropout chamber (401CL) two (2) vibrating feeders (427V, 428V) one (1) drag conveyor (401CV) eight (8) screw conveyors (422V, 470CV2, 470CV3, 470CV9, 470CV10, 474V-476V) one (1) belt conveyor (421V) two (2) bucket elevators (418V, 419V)*	FF 3-9 (471-CL, Stack 3-2)	0.015 gr/dscf 7.25 lbs/hr	0.015 gr/dscf 7.25 lbs/hr
one (1) belt conveyor (509V) one (1) bucket elevator (418V)*	FF 3-11 (406L)	0.015 gr/dscf 0.64 lbs/hr	0.015 gr/dscf 0.64 lbs/hr
one (1) belt conveyor (510V)	FF 3-12 (506L)	0.015 gr/dscf 0.48 lbs/hr	0.015 gr/dscf 0.48 lbs/hr
seven (7) clinker silos (501A-507A)	FF 3-14 (503L)	0.015 gr/dscf 0.59 lbs/hr	0.015 gr/dscf 0.59 lbs/hr

Units	Emission Point	Filterable PM Limits	Filterable PM10 Limits
one (1) bucket elevator (500V)	FF 3-22 (500L)	0.010 gr/dscf 0.28 lbs/hr	0.010 gr/dscf 0.28 lbs/hr
four (4) vibrating feeders (504-507V)	FF 3-15 (505L)	0.015 gr/dscf 0.59 lbs/hr	0.015 gr/dscf 0.59 lbs/hr
four (4) vibrating feeders (501V-503V, 508V) one (1) belt conveyor (221V)	FF 3-17 (504L)	0.015 gr/dscf 0.59 lbs/hr	0.015 gr/dscf 0.59 lbs/hr
two (2) belt conveyors (639V, 640V) one (1) clinker bin (601F) one (1) gypsum bin (603F) one (1) spill screw (646V)	FF 4-1 (617L)	0.020 gr/dscf 1.12 lbs/hr	0.020 gr/dscf 1.12 lbs/hr
one (1) No. 1 finish mill (603G) one (1) elevator (626V) one (1) spill screw (642V)	FF 4-2 (613L)	0.020 gr/dscf 2.07 lbs/hr	0.020 gr/dscf 2.07 lbs/hr
one (1) air separator (605G) one (1) tailing screw (613V) two (2) cement coolers (603C, 604C) one (1) F.K. pump hopper (611F) one (1) mill feed belt (641V) one (1) clinker F.O.W. belt (601V)	FF 4-3 (606L)	0.015 gr/dscf 9.64 lbs/hr	0.015 gr/dscf 9.64 lbs/hr
two (2) conveyor belts (639V, 640V) one (1) clinker bin (602F) one (1) gypsum bin (603F) one (1) clinker F.O.W. belt (602V) one (1) feed belt (644V)	FF 4-4 (636L)	0.015 gr/dscf 0.98 lbs/hr	0.015 gr/dscf 0.98 lbs/hr
one (1) No. 2 finish mill (602G) one (1) spill screw (645V)	FF 4-5 (603L)	0.020 gr/dscf 2.07 lbs/hr	0.020 gr/dscf 2.07 lbs/hr
one (1) air separator (604G) one (1) elevator (621V) one (1) tailing screw (612V), two (2) cement coolers (601C, 602C) one (1) F.K. pump hopper (610F) one (1) mill feed belt (644V)	FF 4-6 (602L)	0.020 gr/dscf 2.07 lbs/hr	0.020 gr/dscf 2.07 lbs/hr
one (1) No. 3 finish mill (660G)	FF 4-9 (660L)	0.010 gr/dscf 1.97 lbs/hr	0.010 gr/dscf 1.97 lbs/hr
one (1) hopper (667F) one (1) cooler (664C) one (1) feed belt (654V)	FF 4-10 (661L)	0.010 gr/dscf 0.55 lbs/hr	0.010 gr/dscf 0.55 lbs/hr
one (1) fringe bin (665F) one (1) elevator (661V) one (1) rotary feeder (665FV)	FF 4-11 (665L)	0.010 gr/dscf 0.36 lbs/hr	0.010 gr/dscf 0.36 lbs/hr
one (1) air separator (664G)	FF 4-12 (664L)	0.010 gr/dscf 6.43 lbs/hr	0.010 gr/dscf 6.43 lbs/hr
three (3) Group 5 silos (705A, 707A, 709A)	FF 5-1 (757L)	0.015 gr/dscf 12.86 lbs/hr	0.015 gr/dscf 12.86 lbs/hr
three (3) Group 5 silos (706A, 708A, 710A)	FF 5-2 (758L)	0.015 gr/dscf 12.86 lbs/hr	0.015 gr/dscf 12.86 lbs/hr
two (2) Group 4 silos (702A, 704A)	FF 5-3 (702L)	0.020 gr/dscf 1.88 lbs/hr	0.020 gr/dscf 1.88 lbs/hr
two (2) Group 4 silos (701A, 703A)	FF 5-4 (701L)	0.020 gr/dscf 0.45 lbs/hr	0.020 gr/dscf 0.45 lbs/hr
one (1) screen (701G) one (1) truck loader (708L)	FF 5-5 (703L)	0.020 gr/dscf 1.88 lbs/hr	0.020 gr/dscf 1.88 lbs/hr
one (1) screen (702G) one (1) railcar/truck loader (709L)	FF 5-6 (706L)	0.020 gr/dscf 0.45 lbs/hr	0.020 gr/dscf 0.45 lbs/hr

Units	Emission Point	Filterable PM Limits	Filterable PM10 Limits
one (1) hopper (701F)	FF 5-7 (710L)	0.020 gr/dscf 0.45 lbs/hr	0.020 gr/dscf 0.45 lbs/hr
one (1) hopper (730F)	FF 5-8 (715L)	0.020 gr/dscf 1.88 lbs/hr	0.020 gr/dscf 1.88 lbs/hr
one (1) silo (8S)	FF 5-10 (807L)	0.015 gr/dscf 0.32 lbs/hr	0.015 gr/dscf 0.32 lbs/hr
one (1) silo (10S)	FF 5-11 (810L)	0.020 gr/dscf 0.36 lbs/hr	0.020 gr/dscf 0.36 lbs/hr
four (4) Group 3 silos (26S, 27S, 28S, and 29S)	FF 5-13 (27DC)	0.020 gr/dscf 0.28 lbs/hr	0.020 gr/dscf 0.28 lbs/hr
three (3) Group 3 silos (18S, 20S, 22S)	FF 5-14 (22DC)	0.020 gr/dscf 0.28 lbs/hr	0.020 gr/dscf 0.28 lbs/hr
two (2) Group 3 silos (24S, 30S)	FF 5-15 (24DC)	0.020 gr/dscf 0.28 lbs/hr	0.020 gr/dscf 0.28 lbs/hr
four (4) Group 3 silos (19S, 21S, 23S, 25S)	FF 5-17 (25DC)	0.020 gr/dscf 0.28 lbs/hr	0.020 gr/dscf 0.28 lbs/hr
two (2) bulk tanks (831F, 833F) one (1) truck loader	FF 5-23 (833L)	0.020 gr/dscf 0.73 lbs/hr	0.020 gr/dscf 0.73 lbs/hr
three (3) bulk tanks (832F, 834F, 835F)	FF 5-24 (835L)	0.020 gr/dscf 0.73 lbs/hr	0.020 gr/dscf 0.73 lbs/hr
one (1) elevator (838V) one (1) packer bin (Bin #1) one (1) packing machine (842LF) two (2) circulating tanks (842F, 842FA) two (2) rotary feeders (842M, 842MA) four (4) screw conveyors (842LV1, 837V, 837V1, 831V2)	FF 6-1 (842L)	0.020 gr/dscf 0.13 lbs/hr	0.020 gr/dscf 0.13 lbs/hr
one (1) elevator (838V1) one (1) packer bin (Bin #2) one (1) packing machine (843LF) two (2) circulating tanks (843F, 843FA) two (2) rotary feeders (843M, 843MA) four (4) screw conveyors (843LV1, 817V1, 817V3, 817V7)	FF 6-2 (843L)	0.015 gr/dscf 0.93 lbs/hr	0.015 gr/dscf 0.93 lbs/hr
one (1) elevator (838V2) one (1) packer bin (Bin #3) one (1) packing machine (844LF) two (2) circulating tanks (844F, 844FA) two (2) rotary feeders (844M, 844MA) one (1) screw conveyor (844LV1)	FF 6-3 (844L)	0.015 gr/dscf 0.93 lbs/hr	0.015 gr/dscf 0.93 lbs/hr
one (1) elevator (838V3) one (1) packer bin (Bin #4), one (1) packing machine(845LF) two (2) circulating tanks (845F, 845FA) two (2) rotary feeders (845M, 845MA) one (1) screw conveyor (845LV1)	FF 6-4 (845L)	0.015 gr/dscf 0.93 lbs/hr	0.015 gr/dscf 0.93 lbs/hr
two (2) belt conveyors (514V, 511V) one (1) bucket elevator (513V)	FF 3-20 (513L)	0.010 gr/dscf 0.64 lbs/hr	0.010 gr/dscf 0.64 lbs/hr
one (1) belt conveyor (51 5V) and four one (4) (1) silos (650A-653A) (652A) three (3) silos (650A, 651A, and 653A)	FF 4-13 (515L) 760L, 761L, 762L	0.010 gr/dscf 0.60 lbs/hr	0.010 gr/dscf 0.60 lbs/hr
one (1) silo (782F) one (1) bucket elevator (781V)	FF 5-26 (782L)	0.010 gr/dscf 0.67 lbs/hr	0.010 gr/dscf 0.67 lbs/hr
one (1) lump breaker (783V3) one (1) spout (785L) one (1) truck loader	FF 5-27 (783L)	0.010 gr/dscf 0.40 lbs/hr	0.010 gr/dscf 0.40 lbs/hr

Units	Emission Point	Filterable PM Limits	Filterable PM10 Limits
one (1) lump breaker (784V3) one (1) spout (786L) one (1) truck loader	FF 5-28 (784L)	0.010 gr/dscf 0.40 lbs/hr	0.010 gr/dscf 0.40 lbs/hr

*Particulate emissions from 418V can be controlled by either the FF 3-11 (406L) or FF 3-9 (471-CL)

(b) Pursuant to T113-6927-00002, issued April 14, 2004, the following emission units shall use the control methods listed in the table below:

Units	Control Method
coal storage piles	building enclosure
outside storage piles	water mist suppression or equivalent
one (1) non-routine outdoor clinker pile	water mist suppression or equivalent
one (1) primary crusher (201G)	water mist suppression or equivalent
one (1) vibrating feeder (201V)	water mist suppression or equivalent
one (1) apron feeder (206V)	water mist suppression or equivalent
three (3) vibrating feeders (202V-204V)	water mist suppression or equivalent
four (4) vibrating feeders (209V-211V, 213V) one (1) belt conveyor (222V) one (1) coal grizzly (223V)	building enclosure
four (4) weigh feeders (350V-353V)	building enclosure
one (1) conveyor belt (358V)	building enclosure
two (2) apron feeders (350V1, 351V1)	building enclosure
two (2) scavenger conveyors (350V2, 351V2)	building enclosure
one (1) belt conveyor (420V)	building enclosure
three (3) coal reject piles	water mist suppression or equivalent
one (1) weigh feeder (435V) one (1) conveyor belt (436V)	building enclosure
one (1) non-routine raw material dust truck loading station	building enclosure
one (1) alkali bypass system cement kiln dust truck loading station (3-8)	water mist suppression or equivalent

(c) Pursuant to CP133-10159-00002, issued April 16, 1999, the following limitations apply:

(1) The overburden removed from the quarry activities shall not exceed 1.2 million tons per twelve (12) consecutive month period with compliance determined at the end of each month.

(2) The limestone input rate to the primary crusher shall not exceed 2,262,479 tons per twelve (12) consecutive month period with compliance determined at the end of each month.

(3) The total input of additives including slag, bottom ash, sand, shale, limestone and alternate raw materials to the secondary crusher system (SC-1) shall not exceed 2,574,685 tons per twelve (12) consecutive month period with compliance determined at the end of each month.

(4) The fly ash input rate to the kiln operations shall not exceed 135,289 tons per twelve (12) consecutive month period with compliance determined at the end of each month.

(5) The coal input rate to the coal mill shall not exceed 313,552 tons per twelve (12) consecutive month period with compliance determined at the end of each month.

(6) The raw material feed input rate to the kiln system shall not exceed 3,149,427 tons per twelve (12) consecutive month period with compliance determined at the end of each month.

(7) The coal input rate to the kiln burner system shall not exceed 157,680 tons per twelve (12) consecutive month period with compliance determined at the end of each month.

(8) The coal input rate to the calciner burner system shall not exceed 201,480 tons per twelve (12) consecutive month period with compliance determined at the end of each month.

(9) The total coal input rate to the kiln and calciner burner systems shall not exceed 313,552 tons per twelve (12) consecutive month period with compliance determined at the end of each month.

(10) The clinker production rate shall not exceed 1,606,000 tons per twelve (12) consecutive month period with compliance determined at the end of each month.

(11) The SO_2 emissions from Stack 3-1 of the semi-dry process kiln and calciner tower shall not exceed 4.13 pounds of SO_2 per ton of clinker produced and 1.01 lbs/MMBtu. Combined with the clinker production limit of 1,606,000 tons/yr, this is equivalent to 3,317 tons/yr of SO_2 emissions. This limit ensures that the increase in SO_2 emissions from the 1999 modification does not exceed 40 tons/yr. Therefore, the requirements of 326 IAC 2-2 (PSD) are not applicable.

(12) The lime injection system associated with the conditioning tower (3-5A) shall be operated as necessary to reduce SO_2 emissions. Compliance with this SO_2 emission limit is demonstrated by SO_2 CEMs.

(13) The NO_x emissions from Stack 3-1 of the semi-dry process kiln shall be controlled by the low-NO_X calciner and good combustion practices and shall not exceed 5.47 pounds per ton of clinker produced. Combined with the clinker production limit of 1,606,000 tons/yr, this is equivalent to 4,428 tons/yr of NO_x emissions. This limit ensures that the increase in NO_x emissions from the 1999 modification does not exceed 40 tons/yr. Therefore, the requirements of 326 IAC 2-2 (PSD) are not applicable. Compliance with this NO_x emission limit is demonstrated by NO_x CEMs.

(14) The CO emissions from Stack 3-1 of the semi-dry process kiln shall be controlled by good combustion practices and shall not exceed 3.65 pounds per ton of clinker produced. Combined with the clinker production limit of 1,606,000 tons/yr, this limitation is equivalent to 2,930 tons/yr of CO emissions. This limit ensures that the increase in CO emissions from the 1999 modification does not exceed 100 tons/yr. Therefore, the requirements of 326 IAC 2-2 (PSD) are not applicable.

(15) The clinker input rate to the No. 1 finish mill shall not exceed 517,942 tons per twelve (12) consecutive month period with compliance determined at the end of each month.

(16) The clinker input rate to the No. 2 finish mill shall not exceed 517,942 tons per twelve (12) consecutive month period with compliance determined at the end of

each month.

(17) The clinker input rate to the No. 3 finish mill shall not exceed 700,567 tons per twelve (12) consecutive month period with compliance determined at the end of each month.

D.1.2 PSD Minor Limits [326 IAC 2-2]

(a) Pursuant to CP133-10159-00002, issued on April 16, 1999, in order to make the requirements of 326 IAC 2-2 (PSD) not applicable the PM/PM10 limits for baghouses/dust collectors, identified as 208L, 208L1, 210L, DC201, DC202 and DC203 of the secondary crusher system (SC-1) shall be less than 0.0108 pounds per ton of input to SC-1. Combined with the throughput limit in Condition D.1.1(e), this is equivalent to 13.9 tons of PM and PM10 emissions per twelve (12) consecutive month period. Therefore, the requirements of 326 IAC 2-2 (PSD) do not apply to the installation of the secondary crusher system (SC-1).

(b) Pursuant to T133-6927-00002, issued on April 14, 2004, in order to make the requirements of 326 IAC 2-2 (PSD) not applicable, the Permittee shall comply with the following:

(1) The emissions from the gypsum material handling process shall be limited to the following:

Units	Emission Point	PM/PM10 Limits
one (1) finished gypsum material hopper (234F) two (2) conveyor belts (234V, 234FV)	1-38	0.24 lbs/hr

The total emissions from this process are less than 15 tons/yr for PM10 and less than 25 tons/yr for PM. Therefore, the requirements of 326 IAC 2-2 (PSD) are not applicable to the gypsum material handling process.

(c) Pursuant to CP133-10159-00002, issued on April 16, 1999, in order to make the requirements of 326 IAC 2-2 (PSD) not applicable, the Permittee shall comply with the following:

(1) The emissions from the following units shall comply with the limitations listed in the table below:

Units	Emission Point	PM/PM10 Limits
two (2) additive silos (318F, 328F) four (4) rotary feeders (318V, 318VV, 328V, 328VV)	FF 1-21 (319L)	0.15 lbs/hr

Therefore, the requirements of 326 IAC 2-2 (PSD) are not applicable to the units listed in the table above.

(d) Pursuant to T133-6927-00002, issued on April 14, 2004, in order to make the requirements of 326 IAC 2-2 (PSD) not applicable, the following units shall use a building enclosure as control:

one (1) additive feed bin (308F); and
two (2) rotary feeders (308V, 308VV).

(e) In order to render PSD not applicable to the modification permitted in MSM 133-25345-00002, the Permittee shall limit emissions as follows:

(1) The throughput of spent pot liner shall be less than 35,040 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

(2) The PM10 emissions from the truck unloading (240F) shall be limited to less than 0.4 pounds per ton of material unloaded and transferred to the silo.

(3) The PM10 emissions from the enclosed pneumatic conveyance system (241F) shall be limited to less than 0.4 pounds per ton of material transferred to the kiln.

(f) Pursuant to T133-6927-00002, issued on April 14, 2004, in order to make the requirements of 326 IAC 2-2 (PSD) not applicable, the following emission units shall use water mist suppression, as needed, to control the particulate emissions:

one (1) non-routine CKD loadout station, including one (1) screw conveyor (412V).

(g) Pursuant to T133-6927-00002, issued on April 14, 2004, in order to make the requirements of 326 IAC 2-2 (PSD) not applicable, the emissions from the following units shall be limited as below:

Units	Point	PM/PM10 Limits
one (1) receiving tank	FF 5-40 (40-DC)	0.14 lbs/hr
one (1) blending tank one (1) blending pod	FF 5-41 (41-DC)	0.14 lbs/hr
two (2) silos (50S, 51S)	FF 5-42 (50-DC)	0.11 lbs/hr
two (2) silos (52S, 53S)	FF 5-43 (53-DC)	0.11 lbs/hr

(h) Pursuant to T133-6927-00002, issued on April 14, 2004, in order to make the requirements of 326 IAC 2-2 (PSD) not applicable, the following emission units shall use the control methods listed in the table below:

Units	Control Method
five (5) screw conveyors (22SC, 24SCG, 24SC, 30SC, 31SC	Building Enclosure (BE 5-35)
one (1) transfer pod (22)	Filter (22-PVDC)
one (1) transfer pod (24-G)	Filter (24-PVDC-G)
one (1) transfer pod (24)	Filter (24-PVDC)
one (1) transfer pod (30)	Filter (30-PVDC)
one (1) transfer pod (50PV)	Filter (50-PVDC)

D.1.3 Particulate Emission Limitations [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), particulate emissions from the following facilities shall be limited as follows when operating at the listed process weight rate:

Operations	Process Weight Rate (ton/hr) (P)	Allowable Emissions For All Units Combined (lbs/hour) (E)
Raw Material Sizing Activities, excluding the units venting through baghouses DC201, DC202, DC203, 209L, 208L1, 208L, and 210L	1,300	81.0
Gypsum Material Handling Process	150	55.4

Operations	Process Weight Rate (ton/hr) (P)	Allowable Emissions For All Units Combined (lbs/hour) (E)
Coal Mill Operation, excluding the units venting through baghouses 420L2, 420L1, 435L, 436L, and 438L	100	51.3
Raw Material Ball Mill Operations, excluding the units venting through baghouse 350L and 351L	400	66.3
Alternate Raw Material Feed System	20	30.5
Kiln Operations, excluding the units venting through stack 3-1, baghouses 403L and 483L	208	58.9
Clinker Cooler Operations, excluding the units venting through baghouses 471CL, 406L, 506L, 500L, 503L, and 503L1	208	58.9
Finish Mill Operations, excluding the units venting through baghouses 505L, 504l, **507L,** 513L, 515L, 760L, 761L, and 762L, 617L, 613L, 606L, 636L, 603L, 602L, 660L, 661L, 665L, and 664L	250	61.0
Cement Storage, Loading, and Packaging Activities, excluding the units venting through baghouses 757L, 807L, 810L, 27DC, 22DC, 24DC, 25DC, 833L, 835L, 782L, 783L, and 784L	500	69.0
Blend Facility Operations	40	42.5
Packhouse Operations, excluding the units venting through baghouses 842L, 843L, 844L, and 845L	185	57.7
Fly Ash Storage Activities, excluding the units venting through baghouse 270L, 271L, and 274L	30	40.0
Truck Unloading / Silo Loading	33	40.9
Pneumatic Transfer	4	10.4

NOTE: Pursuant to 326 IAC 6-3-2(e)(3), when the process weight exceeds 200 tons per hour, the maximum allowable emission may exceed that shown in this table, provided the concentration of particulate matter in the gas discharged to the atmosphere is less than 0.10 pounds per 1,000 pounds of gases.

The limitations for these facilities were calculated using the following equations:

(a) Interpolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$E = 4.10\ P^{0.67}$ where E = rate of emission in pounds per hour and
P = process weight rate in tons per hour

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

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

D.1.4 Sulfur Dioxide Emission Limitations [326 IAC 2-2]

Pursuant to CP133-10159-00002, issued on April 16, 1999, the SO_2 emissions from Stack 3-1 of the semi-dry process kiln and calciner tower shall not exceed 4.13 pounds of SO_2 per ton of clinker produced and 1.01 lbs/MMBtu. Combined with the clinker production limit of 1,606,000 tons/yr, this is equivalent to 3,317 tons/yr of SO_2 emissions. This limit ensures that the increase in SO_2 emissions from the 1999 modification does not exceed 40 tons/yr. Therefore, the requirements of 326 IAC 2-2 (PSD) are not applicable.

D.1.5 Sulfur Dioxide (SO2) [326 IAC 7-1.1-1]

Pursuant to 326 IAC 7-1.1 (SO_2 Emissions Limitations), the SO_2 emissions from the coal mill's fuel oil-fired burner (2-11A, 436G) and kiln operation shall comply with the following:

(a) Less than 6.0 pounds per MMBtu heat input, when combusting coal or coal blend.

(b) Less than 0.5 pounds per MMBtu heat input, when combusting fuel oil.

Compliance shall be demonstrated on a calendar month average.

D.1.6 Nitrogen Oxide Emission Limitations [326 IAC 2-2]

Pursuant to CP133-10159-00002, issued on April 16, 1999, the NOx emissions from Stack 3-1 of the semi-dry process kiln shall be controlled by the low-NO_X calciner and good combustion practices and shall not exceed 5.47 pounds per ton of clinker produced. Combined with the clinker production limit of 1,606,000 tons/yr, this is equivalent to 4,428 tons/yr of NOx emissions. This limit ensures that the increase in NOx emissions from the 1999 modification does not exceed 40 tons/yr. Therefore, the requirements of 326 IAC 2-2 (PSD) are not applicable.

D.1.7 Nitrogen Oxide Emissions [326 IAC 10-3]

The preheater, precalciner cement kiln (3-1A, 401B) is subject to 326 IAC 10-3 (Nitrogen Oxide Reduction Program for Specific Source Categories) because it has a process rate greater than twenty-two (22) tons per hour. Pursuant to this rule, the following requirements apply:

(a) Pursuant to 326 IAC 10-3-3(a)(3), the Permittee shall use semi-dry precalciner kiln processing and the NOx emissions from the cement kiln shall not exceed 5.10 pounds per ton of clinker produced during the ozone control period, which is defined as May 31 to September 30 for the year of 2004 and during the period from May 1 to September 30 for every year after.

(b) Pursuant to 326 IAC 10-3-4, beginning May 31, 2004 and each ozone control period thereafter, the NOx emissions during the ozone control period of each year shall be monitored using a NOx CEMS in accordance with 40 CFR 60, Subpart A and 40 CFR 60, Appendix B. The Permittee shall also comply with the quality assurance procedures specified in 40 CFR 60, Appendix F and 326 IAC 3, as applicable.

D.1.8 Carbon Monoxide Emission Limitations [326 IAC 2-2]

Pursuant to CP133-10159-00002, issued on April 16, 1999, the CO emissions from Stack 3-1 of the semi-dry process kiln shall be controlled by good combustion practices and shall not exceed 3.65 pounds per ton of clinker produced. Combined with the clinker production limit of 1,606,000 tons/yr, this limitation is equivalent to 2,930 tons/yr of CO emissions. This limit ensures that the increase in CO emissions from the 1999 modification does not exceed 100 tons/yr. Therefore, the requirements of 326 IAC 2-2 (PSD) are not applicable.

D.1.9 Lead Emissions [326 IAC 2-2]

Pursuant to T113-6927-00002, issued April 14, 2004, the emissions of lead from the kiln shall be less than 0.00106 pounds per ton of clinker produced. This is equivalent to lead emission of less than 0.85 tons per year. This limit ensures that the lead emission increase from the 1999

modification is below the PSD significant threshold of 0.6 tons/yr. Therefore the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration) do not apply.

D.1.10 Beryllium Emissions [326 IAC 2-2]

Pursuant to T113-6927-00002, issued April 14, 2004, the emissions of beryllium from the kiln shall be less than 7.8 x 10-7 pounds per ton of clinker produced. This is equivalent to beryllium emission of less than 0.00063 tons per year. This limit ensures that the beryllium emission increase from the 1999 modification is below the PSD significant threshold of 0.0004 tons/yr. Therefore the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration) do not apply.

D.1.11 Mercury Emissions [326 IAC 2-2]

Pursuant to T113-6927-00002, issued April 14, 2004, the emissions of mercury from the kiln shall be less than 0.000224 pounds per ton of clinker produced. This is equivalent to mercury emissions of less than 0.18 tons per year. This limit ensures that the mercury emission increase from the 1999 modification is below the PSD significant threshold of 0.1 tons/yr. Therefore, the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration) do not apply.

D.1.12 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for these facilities and any control devices.

Compliance Determination Requirements

D.1.13 Particulate Matter (PM)

(a) In order to comply with Conditions D.1.1, D.1.2, and D.1.3 the baghouses for PM/PM10 control associated with the raw material sizing activities, the coal mill operation, the gypsum material handling process, the raw material ball mill operation, clinker cooler operations, the fly ash storage activities and the dust collector and bin vent filter for the truck unloading, pneumatic transfer operations, the finish mill operations, the cement storage, loading, and packing activities, the blend facility, and the packhouse operations shall be in operation and control emissions from the facilities at all times when the facilities are in operation.

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

D.1.14 Water Spray Operating Condition

Pursuant to CP133-10159-00002, issued April 16, 1999, and in order to determine compliance with Conditions D.1.1, D.1.2, and D.1.3, the water mist spray systems associated with the quarry activities, coal mill operation, kiln operation, and raw material sizing activities shall be operated on an as-needed basis while its associated equipment is in operation and the temperature is above 35 degrees Fahrenheit (35°F).

D.1.15 Sulfur Dioxide Emissions and Sulfur Content

Compliance with the limit in Condition D.1.4 and D.1.5 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 from the coal mill's fuel oil-fired burner 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 the coal mill's fuel oil-fired burner during startup, 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.1.16 Particulate and Nitrogen Oxide (NOx)

(a) In order to comply with Condition D.1.1 the electrostatic precipitator for particulate control shall be in operation and control emissions from all the emission units which vent through kiln stack (Stack 3-1) at all times that these facilities are in operation.

(b) In order to comply with Condition D.1.1, the baghouses for particulate control shall be in operation and control emissions from the units associated with baghouses 403L and 483L all times that these facilities are in operation.

(c) In order to comply with Conditions D.1.6 and D.1.7, the low-NOx calciner shall be in operation and control emissions from the kiln (3-1A, 401B) at all times that the kiln (3-1A, 401B) is in operation.

D.1.17 Lime Injection Operation

Pursuant to CP133-10159-00002, issued April 16, 1999, the lime injection system associated with the conditioning tower (3-5A) shall be operated as necessary to comply with the sulfur dioxide limit in Condition D.1.4.

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

D.1.18 Visible Emissions Notations [40 CFR 64 (CAM)]

(a) Visible emission notations of baghouse/dust collector exhausts (208L, 208L1, 209L, 210L, DC201, DC202 and DC203) and each baghouse associated with the synthetic gypsum material handling process (232FL), raw material ball mill operation (350L, 351L), the fly ash storage activities (274L, 270L, 271L, and 319L), the truck unloading and pneumatic transfer operations (240L and 241L) stack exhausts, coal mill operation stack exhausts (420L1, 420L2, 435L, 436L, 438L), the kiln operations, excluding the kiln exhaust stack (3-1), clinker cooler operation stack exhausts (406L, 506L, 500L, 220L, 503L, 503L1, and 221L), the finish mill operations, the cement storage, loading, and packaging activities, the blend facility, and the packhouse operations stack exhausts shall be performed once per day during normal daylight operations.

(b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.

(c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.

(d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.

(e) If abnormal emissions are observed, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.

D.1.19 Parametric Monitoring [40 CFR 64 (CAM)]

(a) The Permittee shall continuously record the pressure drop across the baghouses/dust collectors (208L, 208L1, 209L, 210L, DC201, DC202 and DC203) used in conjunction with the raw material sizing activities when these units are in operation. The pressure gauges must be equipped with an alarm system that will alarm when the pressure drop across a baghouse is outside the normal range of 1.0 and 8.0 inches of water or a range established during the latest stack test. When an alarm sounds, the baghouse interlock systems shall shut down the associated units automatically and the Permittee shall take reasonable response steps, in accordance with Section C - Response to Excursions or Exceedances. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

(b) The Permittee shall record the pressure drop across the baghouses used in conjunction with the synthetic gypsum material handling process, raw material ball mill operation, fly ash storage, coal mill operation, kiln operation, clinker cooler operation, finish mill operations, the cement storage, loading, and packaging activities, the blend facility, and the packhouse operations at least once per day when those processes are in operation. When for any one reading, the pressure drop across a baghouse is outside the normal range listed below:

Baghouse	Pressure Drop (inches of water)
350L, 351L, 270L, 271L, 274L, 319L, 232FL	1-8
420L1, 436L, 438L	1-8
420L2, 435L	0.1-4
403L, 483L	1-8
406L, 506L, 500L, 220L, 503L, 503L1, 221L	1-8
505L, 504L, 507L1, 513L, 515L, 516L, 617L, 613L, 606L, 636L, 603L, 602L, 660L, 661L, 665L, 664L 757L, 758L, 702L, 701L, 713L, 703L, 706L, 710L, 715L, 760L, 761L, 762L, 808L, 807L, 810L, 27DC, 22DC, 24DC, 25DC, 833L, 835L, 782L, 783L, 784L, 40-DC, 41-DC, 50-DC, 53-DC, 842L, 843L, 844L, 845L, SPL	1-8
664L	2-10

or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

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

D.1.20 Broken or Failed Bag Detection

(a) For a single compartment baghouse controlling emissions from a process operated continuously, a failed unit and the associated process shall be shut down immediately until the failed unit has been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

(b) For a single compartment baghouse controlling emissions from a batch process, the feed to the process shall be shut down immediately until the failed unit has been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in the line. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

Bag failure can be indicated by a significant drop in the baghouse's pressure reading with abnormal visible emissions, by an opacity violation, or by other means such as gas temperature, flow rate, air infiltration, leaks, dust traces or triboflows.

D.1.21 ESP Parametric Monitoring [40 CFR 64 (CAM)]

(a) The Permittee shall monitor and record the total KVA (Kilovolt-Amperes) of the ESP every minute when the kiln is in operation as provided in 326 IAC 1-5-3. When for any one rolling hourly average KVA is below the normal minimum of 153, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. The Response to Excursions or Exceedances shall also contain troubleshooting contingency and response steps for when any one (1) minute reading drops five (5) KVA below the predetermined baseline. This parameter can be adjusted to incorporate values determined from a compliant stack test. A KVA reading or a rolling hourly average KVA that is below the above mentioned minimum is not a deviation from this permit. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

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

(b) Pursuant to CP133-10159-00002, issued April 16, 1999, in the event that an ESP failure has been observed:

(1) All reasonable measures shall be taken to correct, as expeditiously as practicable, the condition causing the emissions to exceed the allowable limits.

(2) All possible steps shall be taken to minimize the impact of the excessive emissions on ambient air quality which may include, but not limited to, curtailment of operations and/or shutdown of the facility.

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

D.1.22 Record Keeping Requirements

(a) To document compliance with Condition D.1.1, the Permittee shall maintain records of the following:

(1) Overburden removed from the quarry activities;

(2) Limestone input to the primary crusher;

(3) Total input of raw materials to the secondary crusher system;

(4) Fly ash input to the kiln system;

(5) Coal input rate to the coal mill;

(6) Raw material feed input to the kiln system;

(7) Throughput amount, in tons, of spent pot liner through the truck unloading operations;

(8) Total coal input rate to the kiln and calciner burner systems;

(9) Clinker production rate; and

(10) Clinker input to the No. 1 finish mill, the No. 2 finish mill, and the No. 3 finish mill.

(b) To document compliance with Condition D.1.18, the Permittee shall maintain records of daily visible emission notations of the baghouse stack exhausts, the synthetic gypsum material handling process, the raw material ball mill operation, fly ash storage activities, truck unloading operations, pneumatic transfer operations stack exhausts, the clinker cooler, and for the baghouses. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation (e.g. the process did not operate that day).

(c) To document compliance with Condition D.1.19, the Permittee shall maintain continuous records of the pressure drop during normal operation, the dates and times of all alarms, the cause of each alarm, and an explanation of all corrective actions taken.

(d) To document compliance with Condition D.1.15, the Permittee shall maintain records in accordance with (1) through (5) below.

(1) Calendar dates covered in the compliance determination period;

(2) Actual fuel oil usage since last compliance determination period and equivalent sulfur dioxide emissions.

If the fuel supplier certification is used to demonstrate compliance instead of determining compliance pursuant to 326 IAC 3-7-4, the following, as a minimum, shall be maintained:

(3) Fuel supplier certifications;

(4) The name of the fuel supplier; and

(5) A statement from the fuel supplier that certifies the sulfur content of the fuel oil.

The Permittee shall retain records of all recording/monitoring data and support information for a period of five (5) years or longer if specified elsewhere in this permit, from the date of the monitoring sample, measurement, or report. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit.

(e) Pursuant to 326 IAC 10-3-5 and to document compliance with Conditions D.1.6 and D.1.7, beginning May 31, 2004 and each ozone control period thereafter, the Permittee shall maintain records of the following:

(1) Emissions, in pounds of NOx per ton of clinker produced from each affected Portland cement kiln; and

(2) Daily clinker production records.

(f) To document compliance with Condition D.1.21 the Permittee shall maintain records in accordance with (1) through (5) below. Records shall be complete and sufficient to establish compliance with the limits established in this section.

(1) All continuous emissions monitoring data.

(2) Total KVA of ESP on a one (1) hour rolling average.

(3) Method 9 opacity readings for the kiln whenever required by this permit.

(4) All preventive maintenance measures taken.

(5) All response steps taken and the outcome for each.

(g) Pursuant to 326 IAC 3-5-6, on and after the certification of the continuous opacity monitor, the Permittee shall maintain records, including raw data, of all monitoring data and supporting information for a minimum of five (5) years from the date of any of the following:

(1) A monitoring sample.

(2) A measurement.

(3) A test.

(4) A certification.

(5) A report.

The records shall include the following:

(1) A documentation relating to design, installation, and testing of elements of the monitoring system and documentation relating to required corrective action or compliance plan activities.

(2) All maintenance logs, calibration checks, and other required quality assurance activities.

(3) All records of corrective and preventive action.

(4) A log of plant operations, including dates of facility downtime, time of commencement and completion of each downtime, and the reason for each downtime.

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

D.1.23 Reporting Requirements

(a) A quarterly summary of the information to document compliance with Condition D.1.1 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 their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the "Responsible Official" as defined by 326 IAC 2-7-1(34).

(b) A quarterly summary of the information to document compliance with the SO_2 limit specified in Conditions D.1.4 and D.1.5 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting form located at the end of this permit, or its equivalent, within thirty (30) days after the end of the 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).

(c) 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.

(d) Pursuant to 326 IAC 10-3-5, the Permittee shall submit a report documenting the total NOx emissions and the average NOx emission rate for the ozone control period of each year by October 31, beginning in 2003 and each year thereafter. For Portland cement kilns complying with 326 IAC 10-3-3(a)(1), estimated emissions and emissions rate shall be determined in accordance with 326 IAC 10-3-3(d) or from CEMS data and a certification that the low NOx calciner was installed, operated, and maintained according to 326 IAC 10-3 shall be included with this report.

SECTION D.2 FACILITY OPERATION CONDITIONS - INSIGNIFICANT ACTIVITIES

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

(a) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment [326 IAC 6-3-2];

(b) Cutting 200,000 linear feet or less of one inch (1'') plate or equivalent [326 IAC 6-3-2];

(c) Trimmers that do not produce fugitive emissions and that are equipped with a dust collection or trim material recovery device such as a bag filter or cyclone [326 IAC 6-3-2]; and

(d) Conveyors as follows [326 IAC 6-3-2]:

(1) Covered conveyors for coal or coke conveying or less than or equal to 360 tons per day;

(2) Covered conveyors for limestone conveying of less than or equal to 7,200 tons per day for sources other than mineral processing plants constructed after August 31, 1983;

(3) Uncovered coal conveying of less than or equal to 120 tons per day; and

(4) Underground conveyors.

(e) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6 [326 IAC 8-3-2] [326 IAC 8-3-5].

(f) One (1) non-hazardous waste alternate fuels handling process, identified as Point 2-18, approved for construction in 2007, with a maximum capacity of ten (10) tons of non-hazardous waste alternate fuel per hour, consisted of the following: [326 IAC 6-3-2]

(1) Two (2) hoppers, identified as 295F and 296F;

(2) Two (2) screw conveyors, identified as 295V and 296V;

(3) Two (2) weight feeders, identified as 295V1 and 296V1;

(4) Three (3) covered drag chain conveyors, identified as 296DCC, 297DCC, and 298DCC; and

(5) Two (2) bucket elevators, identified as 296BE and 297BE.

(g) Storage piles for non-hazardous waste alternate fuels, located inside a three-sided building, with a total maximum throughput rate of ten (10) tons/hr. [326 IAC 6-4]

(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 Emission Limitations [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), Particulate emissions from the listed facilities (a) through (d), and (f) shall not exceed the pounds per hour limitation calculated using the following equation:

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

$E = 4.10\ P^{0.67}$ where E = rate of emission in pounds per hour; and
P = process weight rate in tons per hour

D.2.2 Cold Cleaner Operations [326 IAC 8-3-2]

Pursuant to 326 IAC 8-3-2 (Cold Cleaner Operations), for degreasers 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; and

(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.2.3 Cold Cleaner Degreaser Operation and Control [326 IAC 8-3-5]

(a) Pursuant to 326 IAC 8-3-5(a) (Cold Cleaner Degreaser Operation and Control), for cold cleaner degreaser operations without remote solvent reservoirs and constructed 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°C) (one hundred degrees Fahrenheit (100°F)), or if the solvent is heated to a temperature greater than forty-eight and nine-tenths degrees Celsius (48.9^{o}C) (one hundred twenty degrees Fahrenheit (120°F)):

(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 of 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 constructed 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.

SECTION E.1 SOURCE OPERATION CONDITIONS

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

(a) Raw Material Sizing Activities:

(1) One (1) primary crusher, identified as Point 1-8 (201G) and one (1) vibrating feeder, identified as Point 1-9A (201V); both constructed in 1969, modified in 1998 and 1999, with a nominal capacity of 1,300 tons of limestone per hour, utilizing water mist suppression or equivalent dust suppression to control particulate emissions. Under 40 CFR 60, Subpart OOO, this is considered an affected facility.

(2) Outside storage piles, modified in 1999, utilizing water mist suppression or equivalent dust suppression to control particulate emissions

(3) Raw material sizing transfer equipment including:

(A) One (1) apron feeder, identified as Point 1-14 (206V), constructed in 1969 and modified in 1999, with a nominal throughput of 400 tons per hour, utilizing water mist suppression or equivalent dust suppression to control particulate emissions. Under 40 CFR 60, Subpart OOO, this is considered an affected facility.

(B) One (1) belt conveyor, identified as Point 1-9B (214V), constructed in 1969, with a nominal throughput of 1,300 tons per hour, utilizing water mist suppression or equivalent dust suppression to control particulate emissions.

(C) Three (3) pan feeders, identified as Point 1-11 (202V-204V), all constructed in 1969 and modified in 1999, with a nominal capacity of 1,300 tons per hour each, utilizing water mist suppression or equivalent dust suppression to control particulate emissions. Under 40 CFR 60, Subpart OOO, this is considered an affected facility.

(D) Three (3) belt conveyors, identified as Point 1-15 (215V, 305V, 251V), constructed in 1969, 1969, and 2000, respectively, with a nominal capacity of 1,300 tons per hour each, equipped with one (1) fabric filter system (FF 1-15, baghouse 209L) to control particulate emissions. Under 40 CFR 60, Subpart OOO, 215V is considered an affected facility.

(E) One (1) secondary crusher system, identified as SC-1, constructed in 2001, with a nominal capacity of 600 tons of limestone and additives per hour; controlled by six (6) baghouses/dust collectors 208L, 208L1, 210L, DC201, DC202 and DC203, exhausting to six (6) stacks 208L, 208L1, 210L, DC201 DC202 and DC203, respectively. The secondary crusher system is totally enclosed and consists of the following pieces of equipment:

(i) One (1) Hazemag single rotor impactor crusher, identified as GC202185.01, with a nominal capacity of 600 tons per hour, approved for construction in 2008, with emissions controlled by a baghouse, identified as 208L1 and exhausting through

stack 208L1. Under 40 CFR 60, Subpart OOO, this is considered an affected facility.

(ii) Two (2) metso cone crushers, identified as GC202140.06 and GC202145.06, with a nominal capacity of 140 tons per hour, each, approved for construction in 2008, with emissions controlled by two (2) dust collectors, identified as DC201 and DC202 and exhausting through stacks DC201 and DC202. Under 40 CFR 60, Subpart OOO, this is considered an affected facility.

(iii) One (1) belt conveyor, identified as 202370, with a nominal capacity of 600 tons per hour, approved for construction in 2008, with emissions controlled by a dust collector, identified as DC203 and exhausting through stack DC203. Under 40 CFR 60, Subpart OOO, this is considered an affected facility.

(iv) One (1) belt conveyor, identified as Point 1-16A (202G2V2), with a nominal capacity of 525 tons per hour; one (1) crusher, identified as Point 1-16C (202G2), with a nominal capacity of 525 tons per hour; one (1) belt conveyor, identified as Point 1-16D (202G2V3), with a nominal capacity of 525 tons per hour; all constructed in 2001, equipped with one (1) fabric filter system (FF 1-16, baghouse 208L1) to control particulate emissions. Under 40 CFR 60, Subpart OOO, this is considered an affected facility.

(v) One (1) apron feeder, identified as Point 1-24 (202G2V1), with a nominal capacity of 600 tons per hour, constructed in 2001, utilizing water mist suppression or equivalent dust suppression to control particulate emissions. Under 40 CFR 60, Subpart OOO, this is considered an affected facility.

(vi) One (1) belt conveyor, identified as Point 1-25C (202G1V1); one (1) belt conveyor, identified as Point 1-25E (202G1V2); and one (1) belt conveyor, identified as Point 1-25F (202GV2); each with a nominal capacity of 600 tons per hour, all constructed in 2001, equipped with one (1) fabric filter system (FF 1-25, baghouse 208L) to control particulate emissions. Under 40 CFR 60, Subpart OOO, this is considered an affected facility.

(vii) One (1) screen, identified as Point 1-26C (204G); one (1) belt conveyor, identified as Point 1-26D (202GV3); and one (1) belt conveyor, identified as Point 1-26E (202GV4); each with a nominal capacity of 600 tons per hour, all constructed in 2001, equipped with one (1) fabric filter system (FF 1-26, baghouse 210L) to control particulate emissions. Under 40 CFR 60, Subpart OOO, this is considered an affected facility.

(b) One (1) portable screen and conveyor unit for the sizing of plant materials with a nominal throughput of 100 tons per hour, including reclamation of partially formatted clinker product, including the following units:

(1) One (1) vibrating feeder

(2) One (1) portable vibrating screen

(3) One (1) conveyor belt

Under 40 CFR 60, Subpart OOO, this is considered an affected facility.

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

E.1.1 General Provisions Relating to NSPS OOO [326 IAC 12] [40 CFR Part 60, Subpart A]

Pursuant to 40 CFR 60.1, the Permittee shall comply with the provisions of 40 CFR Part 60, Subpart A - General Provisions, which are incorporated by reference as 326 IAC 12, except as otherwise specified in 40 CFR 60, Subpart OOO.

E.1.2 New Source Performance Standards for Nonmetallic Mineral Processing Plants [326 IAC 12] [40 CFR Part 60, Subpart OOO]

The Permittee who operates a stationary portland cement manufacturing plant shall comply with the following provisions of 40 CFR Part 60, Subpart OOO (included as Attachment B of this permit):

(1) 40 CFR 60.670

(2) 40 CFR 60.671

(3) 40 CFR 60.672

(4) 40 CFR 60.673

(5) 40 CFR 60.675

(6) 40 CFR 60.676

SECTION E.2 FACILITY OPERATION CONDITIONS

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

(a) Coal Mill Operation:

(1) Coal storage piles, modified in 1999, utilizing building enclosures (BE 2-1) or compaction (CMP 2 16) to control particulate emissions. Under 40 CFR 60, Subpart Y, this is considered an affected facility.

(2) Coal transfer equipment:

(A) Four (4) vibrating feeders, identified as Point 2-2A (209V-211V, 213V); one (1) belt conveyor, identified as Point 2-2B (222V); and one (1) coal grizzly, identified as Point 2-2C (223V); all constructed before 1974 and modified in 1999, with a nominal capacity of 100 tons per hour each, utilizing water mist suppression or equivalent dust suppression to control particulate emissions and covered by a building enclosure (BE 2-2) to control particulate emissions. Under 40 CFR 60, Subpart Y, this is considered an affected facility.

(B) One (1) belt conveyor, identified as Point 2-4 (420V), constructed before 1974 and modified in 2000, with a nominal capacity of 100 tons per hour, covered by a building enclosure (BE 2-4) to control particulate emissions. Under 40 CFR 60, Subpart Y, this is considered an affected facility.

(C) One (1) belt conveyor, identified as Point 2-6B (420V3), constructed on May 1, 2000, with a nominal capacity of 100 tons per hour, equipped with one (1) shared fabric filter system (FF 2-6, baghouse 420L2) to control particulate emissions. Under 40 CFR 60, Subpart Y, this is considered an affected facility.

(D) One (1) belt conveyor (420V1), constructed on May 1, 2000, with a nominal capacity of 100 tons per hour, equipped with one (1) fabric filter system (baghouse 420L1) which exhausts into the building. Under 40 CFR 60, Subpart Y, this is considered an affected facility.

(3) Three (3) coal reject piles, identified as Points 2-3, 2-5, and 2-15, modified in 1999, utilizing mist suppression or equivalent dust suppression to control particulate emissions. Under 40 CFR 60, Subpart Y, this is considered an affected facility.

(4) One (1) raw coal bin, identified as Point 2-9 (435F), constructed May 1, 2000, with a nominal capacity of 100 tons, equipped with one (1) fabric filter system (FF 2-9, baghouse 435L) to control particulate emissions. Under 40 CFR 60, Subpart Y, this is considered an affected facility.

(5) One (1) weigh feeder, identified as Point 2-10A (435V); and one (1) conveyor belt, identified as Point 2-10B (436V); all constructed on May 1, 2000, each with a nominal capacity of 61 tons per hour, covered by a building enclosure (BE 2-10) to control particulate emissions. Under 40 CFR 60, Subpart Y, this is considered an affected facility.

(6) One (1) coal mill, identified as Point 2-11A (436G), with a nominal capacity of 40 tons of coal per hour, using a fuel oil fired burner during startup, and when additional heat is needed, and clinker cooler gas at other times to remove moisture from the coal (Note: For the purposes of NSPS Subpart Y, this is also a thermal dryer); and three (3) screw conveyors, identified as Point 2-11B (436LV, 436L1V, 436GV1), each with a nominal capacity of 40 tons per hour; all constructed on May 1, 2000, one (1) coal mill reject screw identified as 351155, and equipped with one (1) fabric filter system (FF 2-11, baghouse 436L) to control particulate emissions. Under 40 CFR 60, Subpart Y, this is considered an affected facility.

(7) Two (2) screw conveyors, identified as Point 2-13B (437V, 438V), with a nominal capacity of 40 tons per hour; two (2) rotary feeders, identified as Point 2-13C (436LVV, 436L1VV), with a nominal capacity of 40 tons per hour; and one (1) pulverized coal bin, identified as Point 2-13A (438F), with a nominal capacity of 100 tons; all constructed on May 1, 2000, and equipped with one (1) fabric filter system (FF 2-13, baghouse 438L) to control particulate emissions. Under 40 CFR 60, Subpart Y, this is considered an affected facility.

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

E.2.1 General Provisions Relating to NSPS Y [326 IAC 12] [40 CFR Part 60, Subpart A]

Pursuant to 40 CFR 60.1, the Permittee shall comply with the provisions of 40 CFR Part 60, Subpart A - General Provisions, which are incorporated by reference as 326 IAC 12, except as otherwise specified in 40 CFR 60, Subpart Y.

E.2.2 New Source Performance Standards for Standards of Performance for Coal Preparation Plants [326 IAC 12] [40 CFR Part 60, Subpart Y]

The Permittee who operates coal preparation plants (such as: thermal dryers, pneumatic coal-cleaning equipment (air tables), coal processing and conveying equipment (including breakers and crushers), coal storage systems, and coal transfer and loading systems) which process more than 181 Mg (200 tons) per day, of which commences construction or modification after October 24, 1974, shall comply with the following provisions of 40 CFR Part 60, Subpart Y (included as Attachment C of this permit):

(1) 40 CFR 60.250

(2) 40 CFR 60.251

(3) 40 CFR 60.252

(4) 40 CFR 60.253

(5) 40 CFR 60.254

SECTION E.3 FACILITY OPERATION CONDITIONS

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

Ten (10) above-ground, liquid organic waste tanks, identified as Tanks 1-10, Tanks 1-7 constructed in 1988, Tank 8 (Burn Tank #8) constructed in 1999, and Tanks 9 and 10 approved for construction in 2009 with a combined nominal storage capacity of 700,000 gallons, with VOC and HAP emissions controlled by an existing vapor balancing system and a closed vent, carbon adsorption vapor system that exhausts to the existing tank farm stack identified as S-001. Under 40 CFR 60, Subpart Kb, this is considered an affected facility.

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

E.3.1 General Provisions Relating to NSPS Kb [326 IAC 12] [40 CFR Part 60, Subpart A]

Pursuant to 40 CFR 60.1, the Permittee shall comply with the provisions of 40 CFR Part 60, Subpart A - General Provisions, which are incorporated by reference as 326 IAC 12, except as otherwise specified in 40 CFR 60, Subpart Kb.

E.3.2 New Source Performance Standards for Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 [326 IAC 12] [40 CFR Part 60, Subpart Kb]

The Permittee who owns/operates storage vessel/s with a capacity greater than or equal to 75 cubic meters (m^3) that is used to store volatile organic liquids (VOL) for which construction, reconstruction, or modification is commenced after July 23, 1984 shall comply with the following provisions of 40 CFR Part 60, Subpart Kb (included as Attachment D of this permit):

(1) 40 CFR 60.110b

(2) 40 CFR 60.111b

(3) 40 CFR 60.112b(a) & (b)

(4) 40 CFR 60.113b(c)

(5) 40 CFR 60.114b

(6) 40 CFR 60.115b(c)

(7) 40 CFR 60.116b

(8) 40 CFR 60.117b

SECTION E.4 FACILITY OPERATION CONDITIONS

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

(a) One (1) gypsum material handling process, constructed in 2002, with a nominal production of 150 tons per hour of the blended synthetic gypsum material or rock gypsum, including the following units:

(1) One (1) finished gypsum material hopper (234F) and two (2) conveyor belts (234V, 234FV), identified as 1-38, with a nominal throughput of 150 tons per hour. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(b) Raw Material Ball Mill Operation, with a nominal capacity of 360 tons of raw material per hour, including the following units:

(1) Raw material ball mill transfer equipment including four (4) belt conveyors, identified as Point 1-17A (252V-255V); four (4) raw material bins, identified as Point 1-17B (350F-353F); all constructed on April 1, 2000, with a nominal capacity of 525 tons per hour, equipped with one (1) fabric filter system (FF 1-17, baghouse 350L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(2) Four (4) weigh feeders, identified as Point 1-18A (350V-353V); one (1) conveyor belt, identified as Point 1-18B (358V); two (2) apron feeders, identified as Point 1-18C (350V1, 351V1); and two (2) scavenger conveyors, identified as Point 1 18D (350V2, 351V2); all constructed on April 1, 2000, with a nominal capacity of 400 tons per hour; all utilizing a building enclosure to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(3) One (1) alleviator (357F), identified as Point 1-7, constructed on April 1, 2000, with a nominal capacity of 20 tons per hour, equipped with one (1) fabric filter system (FF 1-7, baghouse 351L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(c) Fly Ash Storage and Additive Activities, including the following units:

(1) Two (2) rotary feeders (270V2, 271V2, one (1) weigh screw (275V), one (1) Pfister rotary feeder (276V), and one (1) weigh bin (273F) constructed March 2009. Two screw conveyors, identified as Point 1-19A (273V, 274V); **one** (**1**) fly ash hopper, identified as Point 1-19B (273FA); and one (1) FK pump (273JA); all constructed on April 1, 2000, and modified February 8, 2002, with exception of 273FA and 273JA which were constructed in 2003, each with a nominal capacity of 20 tons per hour, equipped with one (1) fabric filter system (FF 1-7, 273L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(2) One (1) fly ash silo, identified as Point 1-39 (270F), constructed on April 1, 2000, with a nominal capacity of 1,250 tons, equipped with one (1) fabric filter system (FF 1-39, 270L, and baghouse 274L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(3) One (1) fly ash silo, identified as Point 1-40 (271F), constructed on April 1, 2000, with a nominal capacity of 1,250 tons, equipped with one (1) fabric filter system (FF 1-40, 271L, and baghouse 274L) to control particulate emissions.

Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(4) Two (2) additive silos, identified as Point 1-21A (318F, 328F), each with a nominal capacity of 500 tons, four (4) rotary feeders, identified as Point 1-21B (318V, 318VV, 328V, 328VV), with a nominal capacity of 30 tons per hour each; all constructed on May 17, 1996, equipped with one (1) fabric filter system (FF 1-21, baghouse 319L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(5) One (1) additive feed bin, identified as Point 1-22 (308F), constructed after August 17, 1971 and before May 17, 1996, with a nominal capacity of 200 tons, covered by a building enclosure (BE 1-22) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(6) Two (2) rotary feeders, identified as Point 1-23A (308V, 308VV), constructed in 1996; and one (1) weigh belt, identified as Point 1-23B (309V), constructed after August 17, 1971; each with a nominal capacity of 30 tons per hour, covered by a building enclosure (BE 1-23) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(d) One (1) alternate raw material feed system, approved for construction in 2007, operating at a maximum capacity of 20 tons per hour each, and consisting of the following pieces of equipment:

(1) Slag pile, identified as one of the materials identified in Point 1-13, controlled with water mist spray as needed.

(2) One (1) slag hopper, identified as 301132.01, with emissions uncontrolled. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(3) One (1) weight feeder, identified as 289V, with emissions uncontrolled. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(4) One (1) covered belt conveyor~~s~~, identified as GC301132.05, and one (1) screw conveyor identified as 301132.08, exhausting to kiln stack 3-1. The exhaust from Stack 3-1 is controlled by electrostatic precipitator 402L. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(5) One (1) bucket elevator, identified as 292V, exhausting to kiln stack 3-1. The exhaust from Stack 3-1 is controlled by electrostatic precipitator 402L. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(e) Clinker Cooler Operations, with a nominal capacity of 208 tons of clinker per hour:

(1) One (1) clinker cooler, identified as Point 3-9A (401C), constructed before August 17, 1971 and modified in 2000, with a nominal capacity of 208 tons per hour; one (1) clinker breaker, identified as Point 3-9B (401CG), constructed on January 1, 1969 and modified in 2000, with a nominal capacity of 208 tons per hour; one (1) dropout chamber, identified as Point 3-9C (401CL), constructed January 1, 1969, with a nominal capacity of 20 tons per hour; two (2) vibrating feeders, identified as Point 3-9F (427V, 428V), constructed before August 17, 1971 and modified in 2000, with a nominal capacity of 208 tons per hour each; and one (1) drag conveyor, identified as Point 3-9G (401CV), and eight (8) screw conveyors (422V, 470CV2, 470CV3, 470CV9, 470CV10, 474V-476V),

all constructed before August 17, 1971 and modified in 2001, each with a nominal capacity of ten (10) tons per hour; all equipped with one (1) fabric filter system (FF 3-9, baghouse 471-CL) to control particulate emissions, exhausting to stack 3-2. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(2) Two (2) belt conveyors, identified as Point 3-11A (421V, 509V); and two (2) bucket elevators, identified as Point 3-11B (418V, 419V); all constructed before 1971 and modified in 2000, with a nominal capacity of 208 tons per hour each (note that belt conveyor (421V) is a non-routine belt; all equipped with one (1) fabric filter system (FF 3-11, baghouse 406L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(3) One (1) non-routine outdoor clinker pile, identified as Point 3-13, modified in 1999, utilizing water mist suppression or equivalent dust suppression to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(4) One (1) belt conveyor (turning tower), identified as Point 3-12 (510V), constructed before 1971 and modified in 2000, with a nominal capacity of 208 tons per hour, equipped with one (1) fabric filter system (FF 3-12, baghouse 506L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(5) One (1) bucket elevator, identified as Point 3-22 (500V), constructed on October 1, 1999, with a nominal capacity of 250 tons per hour, equipped with one (1) fabric filter system (FF 3-22, baghouse 500L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(6) Two (2) feeders, identified as Point 3-24A (207F, 208F); and one (1) belt conveyor, identified as Point 3-24B (219V); each constructed before August 17, 1971, with a nominal capacity of 300 tons per hour each, equipped with one (1) fabric filter system (FF 3-24, baghouse 220L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(7) Seven (7) clinker silos, identified as Point 3-14 (501A-507A), constructed before 1971 and modified in 1999, each with a nominal capacity of 5000 tons, equipped with two (2) fabric filter system (FF 3-14, baghouses 503L and 503L1) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(8) One (1) belt conveyor, identified as Point 3-21 (220V), constructed before August 17, 1971, equipped with one (1) fabric filter system (FF 3-21, baghouse 221L) which was installed in 2001 to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(f) Finish Mill Operations:

(1) Four (4) vibrating feeders, identified as Point 3-15 (504V-507V), constructed before 1971 and modified in 1999, with a nominal capacity of 250 tons per hour each, equipped with one (1) fabric filter system (FF 3-15, baghouse 505L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is

considered an affected source.

(2) Four (4) vibrating feeders, identified as Point 3-17A (501V-503V, 508V); and one (1) belt conveyor, identified as Point 3-17B (221V); with a nominal capacity of 250 tons per hour each; all constructed before 1971 and modified in 1999, equipped with one (1) fabric filter system (FF 3-17, baghouse 504L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(3) Two (2) belt conveyors, identified as Point 3-20B (514V, 511V), constructed before August 17, 1971; one (1) bucket elevator, identified as Point 3-20A (513V), constructed on June 1, 2000; and one (1) belt conveyor, identified as 511V2, constructed in 2003; each with a nominal capacity of 250 tons per hour, 514V, 511V, and 513V are equipped with one (1) fabric filter system (FF 3-20, baghouse 513L) to control particulate emissions. 511V2 is equipped with baghouse 507L to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(4) One (1) belt conveyor, identified as Point 4-13A (515V), constructed in 1969 and modified in 2000, with a nominal capacity of 250 tons per hour; and four (4) silos, identified as Point 4-13B; 652A, constructed on January 1, 1969, with a nominal capacity of 2,260 tons, equipped with one (1) fabric filter system (FF 4-13, baghouse 515L) to control particulate emissions. 650A, 651A, and 653A, constructed on January 1, 1969 with a nominal capacity of 2,440; 2,315; and 200 tons, respectively, and controlled by baghouses 760L, 761L, and 762L, respectfully, (constructed in 2006) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(5) One (1) belt conveyor, identified as Point 4-14 (516V), constructed on January 1, 1969, with a nominal capacity of 250 tons per hour, equipped with one (1) fabric filter system (FF 4-14, baghouse 516L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(6) No. 1 Finish Mill, modified in 1993, with a nominal capacity of 70 tons of clinker per hour:

(A) Two (2) belt conveyors, identified as Point 4-1A (639V, 640V), constructed in 1971 and modified in 1999, with a nominal capacity of 250 tons per hour each; one (1) clinker bin, identified as Point 4-1B (601F), constructed before 1971 and modified in 1999, with a nominal capacity of 260 tons; one (1) gypsum bin, identified as Point 4-1C (603F), constructed before 1971 and modified in 1999, with a nominal capacity of 240 tons per hour; one (1) spill screw, identified as Point 4-1D (646V), constructed in 2002, with a nominal capacity of five (5) tons per hour; and one (1) belt conveyor, identified as 614V, modified in 2003, with a maximum capacity of 250 tons of clinker per hour; all equipped with one (1) fabric filter system (FF 4-1, baghouse 617L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(B) One (1) No. 1 finish mill, identified as Point 4-2A (603G), constructed before 1971 and modified in 1999, with a nominal capacity of 70 tons of clinker per hour; one (1) elevator, identified as Point 4-2B (626V), constructed before 1971 and modified in 1999, with a nominal capacity of 200 tons per hour; and one (1) spill screw, identified as

Point 4-2D (642V), constructed 1969 and modified in 1999, with a nominal capacity of five (5) tons per hour; all equipped with one (1) fabric filter system (FF 4-2, baghouse 613L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(C) One (1) air separator, identified as Point 4-3A (605G), constructed in 1994 and modified in 1999, with a nominal capacity of 200 tons per hour; one (1) tailing screw, identified as Point 4-3D (613V), constructed in 1969 and modified in 1999, with a nominal capacity of 200 tons per hour; two (2) cement coolers, identified as Point 4-3E (603C, 604C), constructed in 1969 and modified in 1999, with a nominal capacity of 70 tons of clinker per hour each; one (1) F.K. pump hopper, identified as Point 4-3G (611F), constructed in 1969 and modified in 1999, with a nominal capacity of 70 tons of clinker per hour; one (1) mill feed belt, identified as Point 4-3H (641V), constructed in 1974 and modified in 1999, with a nominal capacity of 70 tons of clinker per hour; and one (1) clinker F.O.W. belt, identified as Point 4-3I (601V), constructed before 1971 and modified in 1999, with a nominal capacity of 70 tons per hour; equipped with one (1) fabric filter system (FF 4-3, baghouse 606L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(D) One (1) fringe bin for off-specification cement and cement kiln dust, identified as Point 4-16A (604F), constructed before August 17, 1971, with a nominal capacity of 66 tons; and two (2) screw feeders, identified as Point 4-16B (611V, 604F1V), constructed on January 1, 1969, with a nominal capacity of 20 tons per hour each; equipped with one (1) fabric filter system (FF 4-16, baghouse 605L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(E) One (1) weigh belt, identified as Point 4-15A (605V), and one (1) belt conveyor, identified as Point 4-15B (616V), constructed before 1974, covered by a building enclosure to control particulate matter. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(7) No. 2 Finish Mill, with a capacity of 70 tons of clinker per hour:

(A) Two (2) conveyor belts, identified as Point 4-4A (639V, 640V), constructed 1969 and modified in 1999, with a nominal capacity of 250 tons per hour; one (1) clinker bin, identified as Point 4-4B (602F), constructed before 1971 and modified in 1999, with a nominal capacity of 260 tons; one (1) gypsum bin, identified as Point 4-4C (603F), constructed before 1971 and modified in 1999, with a nominal capacity of 240 tons; one (1) clinker F.O.W. belt, identified as Point 4-4D, (602V), constructed before 1971 and modified in 1999, with a nominal capacity of 70 tons per hour; and one (1) feed belt, identified as Point 4-4E (644V), constructed in 1975 and modified in 1999, with a nominal capacity of 70 tons of clinker per hour; all equipped with one (1) fabric filter system (FF 4-4, baghouse 636L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(B) One (1) No. 2 finish mill, identified as Point 4-5A (602G), constructed before 1971 and modified in 1999, with a nominal capacity of 70 tons of clinker per hour; and one (1) spill screw, identified as Point 4-5B (645V), constructed in 1969 and modified in 1999, with a nominal capacity of 5 tons per hour; all equipped with one (1) fabric filter system (FF 4-5, baghouse 603L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(C) One (1) air separator, identified as Point 4-6A (604G), constructed before 1971 and modified in 1999, with a nominal capacity of 200 tons per hour; one (1) elevator, identified as Point 4-6B (621V), constructed before 1971 and modified in 1999, with a nominal capacity of 200 tons per hour; one (1) tailing screw, identified as Point 4-6D (612V), constructed in 1969 and modified in 1999, with a nominal capacity of 200 tons per hour; two (2) cement coolers, identified as Point 4-6E (601C, 602C), constructed in 1969 and modified in 1999, with a nominal capacity of 70 tons of clinker per hour each; one (1) F.K. pump hopper, identified as Point 4-6F (610F), constructed in 1969 and modified in 1999, with a nominal capacity of 70 tons of clinker per hour; and one (1) mill feed belt, identified as Point 4-6G (644V), constructed in 1975 and modified in 1999, with a nominal capacity of 70 tons of clinker per hour; all equipped with one (1) fabric filter system (FF 4-6, baghouse 602L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(8) No. 3 Finish Mill, with a nominal capacity of 95 tons of clinker per hour:

(A) One (1) No. 3 finish mill, identified as Point 4-9 (660G), constructed on June 1, 2000, with a nominal capacity of 95 tons of clinker per hour, equipped with one (1) fabric filter system (FF 4-9, baghouse 660L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(B) One (1) hopper, identified as Point 4-10C (667F), with a nominal capacity of 95 tons of clinker per hour; one (1) cooler, identified as Point 4-10D (664C), with a nominal capacity of 95 tons of clinker per hour; and one (1) feed belt, identified as Point 4-10E (654V), with a nominal capacity of 95 tons of clinker per hour; all constructed on June 1, 2000, equipped with one (1) fabric filter system (FF 4-10, baghouse 661L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(C) One (1) fringe bin for off-specification cement and cement kiln dust, identified as Point 4-11B (665F), with a nominal capacity of 80 tons; one (1) elevator, identified as Point 4-11C (661V), with a nominal capacity of 230 tons per hour equipped with one (1) clean-up hopper and one (1) clean-up screw 509530; and one (1) rotary feeder, identified as Point 4-11D (665FV), with a nominal capacity of 50 tons per hour; all constructed on June 1, 2000 and equipped with one (1) fabric filter system (FF 4-11, baghouse 665L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(D) One (1) air separator, identified as Point 4-12A (664G), constructed on

June 1, 2000, with a nominal capacity of 230 tons per hour, and equipped with one (1) fabric filter system (FF 4-12, baghouse 664L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(E) Two (2) weigh feeders, identified as Point 4-17 (652V, 653V), constructed on January 1, 1969; and two (2) weigh feeders (650V, 651V), constructed on January 1, 1969, equipped with two (2) dust collectors (650L, 651L), installed in 2000, venting indoors; with a nominal capacity of 40 tons per hour each, covered by a building enclosure (BE 4-17) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(g) Cement Storage, Loading, and Packaging Activities:

(1) Three (3) Group 5 silos, identified as Point 5-1 (705A, 707A, 709A), constructed before 1971 and modified in 1999, with a nominal storage capacity of 10,000 tons each, with particulate emission controlled by one (1) fabric filter system (FF 5-1, baghouse 757L). Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(2) Three (3) Group 5 silos, identified as Point 5-2 (706A, 708A, 710A), constructed before 1971 and modified in 1999, with a nominal storage capacity of 10,000 tons each, with particulate emissions controlled by one (1) fabric filter system (FF 5-2, baghouse 758L). Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(3) Two (2) Group 4 silos, identified as Point 5-3 (702A, 704A), constructed in 1967 and modified in 1999, with a nominal storage capacity of 5,000 tons each, with particulate emissions controlled by one (1) fabric filter system (FF 5-3, baghouse 702L). Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(4) Two (2) Group 4 silos, identified as Point 5-4 (701A, 703A), constructed in 1967 and modified in 1999, with a nominal storage capacity of 5,000 tons each, with particulate emissions controlled by one (1) fabric filter system (FF 5-4, baghouse 701L). Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(5) Two (2) silos, identified as Point 5-29 (711A, 712A), constructed on January 1, 1969, with a nominal storage capacity of 5,000 tons each, with particulate emissions controlled by one (1) fabric filter system (FF 5-29, baghouse 713L). Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(6) One (1) screen, identified as Point 5-5C (701G), constructed before 1971 and modified in 1999; and one (1) truck loader, identified as Point 5-5D (708L), constructed before 1971 and modified in 1999; each with a nominal capacity of 500 tons per hour, equipped with one (1) fabric filter system (FF 5-5, baghouse 703L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(7) One (1) screen, identified as Point 5-6B (702G), constructed before 1971 and modified in 1999; and one (1) railcar/truck loader, identified as Point 5-6C (709L), constructed before 1971 and modified in 1999; each with a nominal capacity of 500 tons per hour, equipped with one (1) fabric filter system (FF 5-

6, baghouse 706L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(8) One (1) hopper, identified as Point 5-7B (701F), constructed before 1971 and modified in 1999, with a nominal capacity of 40 tons per hour, equipped with one (1) fabric filter system (FF 5-7, baghouse 710L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(9) One (1) hopper, identified as Point 5-8 (730F), constructed before 1971 and modified in 1999, with a nominal capacity of 40 tons per hour, equipped with one (1) fabric filter system (FF 5-8, baghouse 715L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(10) Three (3) screw conveyors, identified as Point 5-9A (809V, 809V1, 809V2), constructed before 1971, with a nominal capacity of 40 tons per hour each; one (1) alleviator, identified as Point 5-9C, constructed before 1971, with a nominal capacity of 40 tons per hour; and fourteen (14) Group 2 silos, identified as Point 5-9B (2S-7S, 9S, 11S-17S), constructed in 1924, with a combined nominal capacity of 24,842 tons; all equipped with one (1) fabric filter (FF 5-9, baghouse 808L) to control particulate matter. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(11) One (1) silo, identified as Point 5-10 (8S), constructed in 1924 and modified in 1999, with a nominal capacity of 5420 tons, equipped with one (1) fabric filter system (FF 5-10, baghouse 807L) for particulate control. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(12) One (1) silo, identified as Point 5-11 (10S), constructed in 1924 and modified in 1999, with a nominal capacity of 5420 tons, equipped with one (1) fabric filter system (FF 5-11, baghouse 810L) for particulate control. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(13) Four (4) Group 3 silos, identified as Point 5-13 (26S, 27S, 28S, and 29S), constructed in 1924 and modified in 1999, with a nominal capacity of 2,736 tons each, equipped with one (1) fabric filter system (FF 5-13, baghouse 27DC) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(14) Three (3) Group 3 silos, identified as Point 5-14 (18S, 20S, 22S), constructed in 1924 and modified in 1999, with a nominal capacity of 3,112 tons each, equipped with one (1) fabric filter system (FF 5-14, baghouse 22DC) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(15) Two (2) Group 3 silos, identified as Point 5-15 (24S, 30S), constructed in 1924 and modified in 1999, with a nominal capacity of 2,780 tons each, equipped with one (1) fabric filter system (FF 5-15, baghouse 24DC) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(16) Four (4) Group 3 silos, identified as Point 5-17 (19S, 21S, 23S, 25S), constructed in 1924 and modified in 1999, with a nominal capacity of 2,736 tons each, equipped with one (1) fabric filter system (FF 5-17, baghouse

25DC) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(17) One (1) screen elevator, identified as Point 5-18 (829V2), constructed before 1971, with a nominal capacity of 40 tons per hour, covered by a building enclosure (BE 5-18) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(18) One (1) elevator, identified as Point 5-19 (829V1), constructed before 1971, with a nominal capacity of 40 tons per hour, covered by a building enclosure (BE 5-19) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(19) Two (2) bulk tanks, identified as Point 5-23A (831F, 833F), with a nominal capacity of 20 tons each; and one (1) truck loader, identified as Point 5-23C, with a nominal capacity of 40 tons per hour; all constructed before 1971 and modified in 1999, except for 831V2 which was constructed in 2003, and equipped with one (1) fabric filter system (FF 5-23, baghouse 833L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(20) Three (3) bulk tanks, identified as Point 5-24A (832F, 834F, 835F), with a nominal capacity of 20 tons each, constructed before 1950 and modified in 1999, and equipped with one (1) fabric filter system (FF 5-24, baghouse 835L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(21) One (1) silo, identified as Point 5-26A (782F), with a nominal capacity of 2,430 tons; and one (1) bucket elevator, identified as Point 5-26B (781V), with a nominal capacity of 500 tons per hour; all constructed on December 1, 2000, and equipped with one (1) fabric filter system (FF 5-26, baghouse 782L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(22) One (1) lump breaker, identified as Point 5-27B (783V3); one (1) spout, identified as Point 5-27C (785L); and one (1) truck loader, identified as Point 5-27D; all constructed on December 1, 2000, with a nominal capacity of 500 tons per hour each, and equipped with one (1) fabric filter system (FF 5-27, baghouse 783L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(23) One (1) lump breaker, identified as Point 5-28B (784V3); one (1) spout, identified as Point 5-28C (786L); and one (1) truck loader, identified as Point 5-28D; all constructed on December 1, 2000, with a nominal capacity of 500 tons per hour each, and equipped with one (1) fabric filter system (FF 5-28, baghouse 784L) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(24) Five (5) screw conveyors, identified as Point 5-30B (755V, 759V-762V), constructed in 1978; six (6) rotary feeders, identified as Point 5-30C (755M-760M), constructed in 1978; and one (1) hopper, identified as Point 5-30D (750F), constructed before August 17, 1971; with a nominal capacity of 40 tons per hour each, covered by a building enclosure (BE 5-30) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(25) Nineteen (19) screw conveyors, identified as Point 5-33A (818V1-825V1, 818V2-825V2, 828V1, 828V2, 830V); and three (3) screen screws, identified as Point 5-33B (806V, 829V4, 830V1); all constructed before 1950, with a nominal capacity of 40 tons per hour each, and covered by a building enclosure (BE 5-33) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(h) One (1) blend facility, consisting of the following units:

(1) Five (5) screw conveyors, identified as Point 5-35A (22SC, 24SCG, 24SC, 30SC, 31SC), all constructed in 1989, with a nominal capacity of 40 tons per hour each, covered by a building enclosure (BE 5-35) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(2) One (1) transfer pod, identified as Point 5-36 (22) constructed in August 1989, with a nominal area of 25 cubic feet, equipped with one (1) fabric filter system (FF 5-36, filter 22-PVDC) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(3) One (1) transfer pod, identified as Point 5-37 (24-G), constructed in August 1989, with a nominal area of 25 cubic feet, equipped with one (1) fabric filter system (FF 5-37, filter 24-PVDC-G) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(4) One (1) transfer pod, identified as Point 5-38 (24), constructed in August 1989, with a nominal area of 25 cubic feet, equipped with one (1) fabric filter system (FF 5-38, filter 24-PVDC) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(5) One (1) transfer pod, identified as Point 5-39 (30), constructed in August 1989, with a nominal area of 25 cubic feet, equipped with one (1) fabric filter system (FF 5-39, filter 30-PVDC) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(6) One (1) receiving tank, identified as Point 5-40, constructed in August 1989, with a nominal capacity of 20 tons, equipped with one (1) fabric filter system (FF 5-40, baghouse 40-DC) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(7) One (1) blending tank, identified as Point 5-41A, with a nominal capacity of 20 tons; and one (1) blending pod, identified as Point 5-41C, with a nominal capacity of 25 cubic feet; all constructed in August 1989, equipped with one (1) fabric filter system (FF 5-41, baghouse 41-DC) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(8) Two (2) silos, identified as Point 5-42 (50S, 51S), constructed August 1989, with a nominal capacity of 175 tons each, equipped with one (1) fabric filter system (FF 5-42, baghouse 50-DC) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(9) Two (2) silos, identified as Point 5-43 (52S, 53S), constructed August 1989, with a nominal capacity of 175 tons each, equipped with one (1) fabric filter

system (FF 5-43, baghouse 53-DC) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(10) One (1) transfer pod, identified as Point 5-44B (50PV), constructed in August 1989, with a nominal capacity of 40 tons per hour, equipped with one (1) fabric filter system (FF 5-44, filter 50-PVDC) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(i) Packhouse operations consisting of the following:

(1) One (1) elevator, identified as Point 6-1A (838V), constructed in 1945; one (1) packer bin, identified as Point 6-1B (Bin #1), constructed in 1946; one (1) packing machine, identified as Point 6-1C (842LF), constructed in 1945; two (2) circulating tanks, identified as Point 6-1D (842F, 842FA), constructed in 1946; two (2) rotary feeders, identified as Point 6-1E (842M, 842MA), constructed in 1946; and four (4) screw conveyors, identified as Point 6-1F (842LV1, 837V, 837V1, 831V2), constructed in 1945; all modified in 1999, with a nominal capacity of 34 tons per hour each, and equipped with one (1) fabric filter system (FF 6-1, baghouse 842L) for particulate control. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(2) One (1) elevator, identified as Point 6-2A (838V1), constructed in 1945; one (1) packer bin, identified as Point 6-2B (Bin #2), constructed in 1946; one (1) packing machine, identified as Point 6-2C (843LF), constructed in 1945; two (2) circulating tanks, identified as Point 6-2D (843F, 843FA), constructed in 1945; two (2) rotary feeders, identified as Point 6-2E (843M, 843MA), constructed before 1971; and four (4) screw conveyors (843LV1, 817V1, 817V3, 817V7), identified as Point 6-2G; constructed in 1945; all modified in 1999, with a nominal capacity of 46 tons per hour each, and equipped with one (1) fabric filter system (FF 6-2, baghouse 843L) for particulate control. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(3) One (1) elevator, identified as Point 6-3A (838V2), constructed in 1945; one (1) packer bin, identified as Point 6-3B (Bin #3), constructed in 1946; one (1) packing machine, identified as Point 6-3C (844LF), constructed in 1945; two (2) circulating tanks, identified as Point 6-3D (844F, 844FA), constructed in 1945; two (2) rotary feeders, identified as Point 6-3E (844M, 844MA), constructed before 1971; and one (1) screw conveyor, identified as Point 6-3F (844LV1), constructed before 1971; all modified in 1999, with a nominal capacity of 65 tons per hour each, and equipped with one (1) fabric filter system (FF 6-3, baghouse 844L) for particulate control. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(4) One (1) elevator, identified as Point 6-4A (838V3), constructed in 1945; one (1) packer bin, identified as Point 6-4B (Bin #4), constructed in 1946; one (1) packing machine, identified as Point 6-4C (845LF), constructed in 1945; two (2) circulating tanks, identified as Point 6-4D (845F, 845FA), constructed in 1945; two (2) rotary feeders, identified as Point 6-4E (845M, 845MA), constructed before 1971; and one (1) screw conveyor, identified as Point 6-4F (845LV1), constructed before 1971; all modified in 1999, with a nominal capacity of 40 tons per hour each, and equipped with one (1) fabric filter system (FF 6-4, baghouse 845L) for particulate control. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(5) Fourteen (14) conveyors, identified as Point 6-5 (842V-846V, 848V, 845V1,

847V1, 847V2, 848V1, 848V2, 849V1, 849V2, 849V3), constructed before 1971, with a nominal capacity of 185 tons per hour each, covered by a building enclosure (BE 6-5) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(6) Two (2) palletizers, identified as Point 6-6 (900H, 901H), constructed before 1971, with a nominal capacity of 185 tons per hour each, covered by a building enclosure (BE 6-6) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(7) One (1) truck loader, identified as Point 6-7, constructed before 1971, with a nominal capacity of 185 tons per hour, covered by a building enclosure (BE 6 7) to control particulate emissions. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

(j) One (1) truck unloading, identified as 240F, approved for construction in 2007, for unloading and pneumatically conveying alternative fuel (spent pot liner) to a silo, with a maximum throughput capacity of 33 tons per hour, with a maximum storage capacity of 700 tons, with particulate emissions controlled by a dust collector (identified as 240L), and exhausting to stack 240L. This is an affected facility under 40 CFR 63, Subpart LLL.

(k) One (1) enclosed pneumatic conveyance system, identified as 241F, approved for construction in 2007, for pneumatically conveying alternative fuel (spent pot liner) from the silo to the cement kiln, with a maximum throughput capacity of 4 tons per hour, with particulate emissions controlled by a bin vent filter (identified as 241L), and exhausting to stack 241L. This is an affected facility under 40 CFR 63, Subpart LLL.

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

E.4.1 General Provisions Relating to NESHAP Subpart LLL [40 CFR Part 63, Subpart A]

Pursuant to 40 CFR 63.1340, the Permittee shall comply with the provisions of 40 CFR Part 63, Subpart A – General Provisions, which are incorporated by reference as 326 IAC 20-1-1, as specified in Table 1 of 40 CFR Part 63, Subpart LLL in accordance with schedule in 40 CFR 63 Subpart LLL.

E.4.2 Portland Cement Manufacturing Industry NESHAP [40 CFR Part 63, Subpart LLL]

The Permittee which is a portland cement plant shall comply with the following provisions of 40 CFR Part 63, Subpart LLL (included as Attachment E of this permit).

(1) 40 CFR 63.1340

(2) 40 CFR 63.1341

(3) 40 CFR 63.1342

(4) 40 CFR 63.1343

(5) 40 CFR 63.1344

(6) 40 CFR 63.1346

(7) 40 CFR 63.1347

(8) 40 CFR 63.1348

(9) 40 CFR 63.1349

(10) 40 CFR 63.1350

(11) 40 CFR 63.1351

(12) 40 CFR 63.1352

(13) 40 CFR 63.1353

(14) 40 CFR 63.1354

(15) 40 CFR 63.1355

(16) 40 CFR 63.1356

(17) 40 CFR 63.1357

(18) 40 CFR 63.1358

SECTION E.5 FACILITY OPERATION CONDITIONS

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

(a) Kiln Operation, with a nominal capacity of 360 tons of dry raw feed per hour and 208 tons clinker per hour:

(1) One (1) hammermill dryer, identified as Point 3-1C (440G), constructed on May 1, 2000, with a nominal capacity of 258 tons per hour, equipped with one (1) electrostatic precipitator (402L) with a 2,000 HP motor to control particulate emissions, exhausting to stack 3-1. Under 40 CFR 63, Subpart EEE, this is considered an affected source.

(2) One (1) pre-heater, pre-calciner Portland cement kiln, originally constructed in 1966 and modified to the semi-dry system in 2000. The semi-dry kiln system includes one (1) coal-fired calciner tower with staged combustion, identified as Point 3-1B (440PH), and one (1) rotary kiln, identified as Point 3-1A (401B), with a combined nominal rated capacity of 827 million British thermal units per hour. An oxygen enrichment system, constructed in 2006, introduces oxygen into the first stage pre-calciner and the front end of the rotary kiln. The semi-dry kiln system has a nominal rated clinker capacity of 208 tons per hour, using coal and the following supplemental fuels:

(A) hazardous waste fuel at a maximum rate allowed by the approved Boiler and Industrial Furnace Permit required by 40 CFR 270;

(B) plastic chips, carpet fibers, paper products, wood chips, chipped tires, toner, cosmetics, seed corn, and oil absorbent material including oil filter fluff;

(C) petroleum coke; and

(D) distillate fuel for burner startup activities.

The particulate emissions from the calciner and kiln are controlled by one (1) electrostatic precipitator (402L) with a 2000 HP motor, exhausting to stack 3-1. Under 40 CFR 63, Subpart EEE, this is considered an affected source. Under 40 CFR 61, Subpart FF, Point 3-1A (401B) is considered an affected source.

(3) Nine (9) screw conveyors, identified as Point 3-1D (403V-410V, 404FV), constructed in 1968 and modified in 1999; and one (1) kiln dust chamber, identified as Point 3-1F (401BF1), constructed on January 1, 1969; each with a nominal capacity of (10) tons per hour; with particulate emissions controlled by one (1) electrostatic precipitator (402L) with a 2000 HP motor, exhausting to stack 3-1. Under 40 CFR 63, Subpart EEE, Point 3-1D (403V-410V, 404FV) is considered an affected source.

(4) One (1) conditioning tower, identified as Point 3-5A (480F), with a nominal capacity of 40 tons per hour, using lime injection to control sulfur dioxide emissions; and one (1) alkali bypass system, identified as Point 3-5B, one (1) hopper, identified as Point 3-5C (484F), with a nominal capacity of ten (10) tons per hour; one (1) dust cyclone, identified as Point 3-5D (480FL), with a nominal capacity of 31 tons per hour; four (4) screw conveyors, identified as Point 3-5E (480LV1-LV3, 480V), each with a nominal capacity of ten (10) tons per hour; one (1) weigh hopper, identified as Point 3-5I (481FF); and one (1)

pug mill, identified as Point 3-5J (484L); all constructed on May 1, 2000; all equipped with one (1) fabric filter system (FF 3-5, baghouse 480L), which exhausts to stack 3-1, to control particulate emissions. Under 40 CFR 63, Subpart EEE, this is considered an affected source.

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

E.5.1 General Provisions Relating to NESHAP Subpart EEE [40 CFR Part 63, Subpart A]

Pursuant to 40 CFR 63.1200, the Permittee shall comply with the provisions of 40 CFR Part 63, Subpart A – General Provisions, which are incorporated by reference as 326 IAC 20-1-1, as specified in Table 1 of 40 CFR Part 63, Subpart EEE in accordance with schedule in 40 CFR 63 Subpart EEE.

E.5.2 Hazardous Waste Combustors NESHAP [40 CFR Part 63, Subpart EEE]

The Permittee which engages in hazardous waste combustion shall comply with the following provisions of 40 CFR Part 63, Subpart EEE (included as Attachment F of this permit).

(1) 40 CFR 63.1200

(2) 40 CFR 63.1201

(3) 40 CFR 63.1203(a), (c), (d), & (e)

(4) 40 CFR 63.1204(a), (c), (d), (f), & (h)

(5) 40 CFR 63.1205(a), (c), (d), & (e)

(6) 40 CFR 63.1206

(7) 40 CFR 63.1207

(8) 40 CFR 63.1208

(9) 40 CFR 63.1209

(10) 40 CFR 63.1210

(11) 40 CFR 63.1211

(12) 40 CFR 63.1212

(13) 40 CFR 63.1213

(14) 40 CFR 63.1214

(15) 40 CFR 63.1215

(16) 40 CFR 63.1216

(17) 40 CFR 63.1217

(18) 40 CFR 63.1220

(19) 40 CFR 63.1221

SECTION E.6 FACILITY OPERATION CONDITIONS

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

One (1) pre-heater, pre-calciner Portland cement kiln, originally constructed in 1966 and modified to the semi-dry system in 2000. The semi-dry kiln system includes one (1) coal-fired calciner tower with staged combustion, identified as Point 3-1B (440PH), and one (1) rotary kiln, identified as Point 3-1A (401B), with a combined nominal rated capacity of 827 million British thermal units per hour. An oxygen enrichment system, constructed in 2006, introduces oxygen into the first stage pre-calciner and the front end of the rotary kiln. The semi-dry kiln system has a nominal rated clinker capacity of 208 tons per hour, using coal and the following supplemental fuel:

(1) Hazardous waste fuel at a maximum rate allowed by the approved Boiler and Industrial Furnace Permit required by 40 CFR 270;

(2) plastic chips, carpet fibers, paper products, wood chips, chipped tires, toner, cosmetics, seed corn, and oil absorbent material including oil filter fluff;

(3) petroleum coke; and

(4) distillate fuel for burner startup activities.

The particulate emissions from the calciner and kiln are controlled by one (1) electrostatic precipitator (402L) with a 2000 HP motor, exhausting to stack 3-1. Under 40 CFR 63, Subpart EEE, this is considered an affected source. Under 40 CFR 61, Subpart FF, Point 3-1A (401B) is considered an affected source.

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

E.6.1 General Provisions Relating to NESHAP Subpart FF [40 CFR Part 61, Subpart A]

Pursuant to 40 CFR 61.340, the Permittee shall comply with the provisions of 40 CFR Part 61, Subpart A – General Provisions, which are incorporated by reference as 326 IAC 14-1-1, except as otherwise specified in 40 CFR Part 61, Subpart FF.

E.6.2 Benzene Waste Operations NESHAP [40 CFR Part 61, Subpart FF]

The Permittee which engages benzene waste operations shall comply with the following provisions of 40 CFR Part 61, Subpart FF (included as Attachment G of this permit).

(1) 40 CFR 61.340

(2) 40 CFR 61.341

(3) 40 CFR 61.342(a)

(4) 40 CFR 61.355

(5) 40 CFR 61.356(a)(b)(1)

(6) 40 CFR 61.357(a)(c)

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
PART 70 OPERATING PERMIT
CERTIFICATION

Source Name: Lone Star Industries, Inc. dba Buzzi Unicem USA
Source Address: 3301 South County Road 150 West, Greencastle, Indiana 46135
Mailing Address: P.O. Box 486, Greencastle, IN 46135
Part 70 Permit No.: T133-26830-00002

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: Lone Star Industries, Inc. dba Buzzi Unicem USA
Source Address: 3301 South County Road 150 West, Greencastle, Indiana 46135
Mailing Address: P.O. Box 486, Greencastle, IN 46135
Part 70 Permit No.: T133-26830-00002

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

☐ This is an emergency as defined in 326 IAC 2-7-1(12) • The Permittee must notify the Office of Air Quality (OAQ), within four (**4**) business hours (1-800-451-6027 or 317-233-0178, ask for Compliance Section); and • The Permittee must submit notice in writing or by facsimile within two (**2**) working days (Facsimile Number: 317-233-6865), and follow the other requirements of 326 IAC 2-7-16.

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

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

If any of the following are not applicable, mark N/A **Page 2 of 2**

Date/Time Emergency started:
Date/Time Emergency was corrected:
Was the facility being properly operated at the time of the emergency? Y N
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 Coal Mill Burner When Combusting Only Fuel Oil

Source Name: Lone Star Industries, Inc. dba Buzzi Unicem USA
Source Address: 3301 South County Road 150 West, Greencastle, Indiana 46135
Mailing Address: P.O. Box 486, Greencastle, Indiana 46135
Part 70 Permit No.: T133-26830-00002
Facility: Coal Mill Fuel Oil Fired Burner
Parameter: Sulfur Dioxide (SO_2) emissions 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 Kiln When Combusting Only Fuel Oil

Source Name: Lone Star Industries, Inc. dba Buzzi Unicem USA
Source Address: 3301 South County Road 150 West, Greencastle, Indiana 46135
Mailing Address: P.O. Box 486, Greencastle, Indiana 46135
Part 70 Permit No.: T133-26830-00002
Facility: Kiln
Parameter: Sulfur Dioxide (SO_2) emissions 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 Kiln When Combusting Coal

Source Name: Lone Star Industries, Inc. dba Buzzi Unicem USA
Source Address: 3301 South County Road 150 West, Greencastle, Indiana 46135
Mailing Address: P.O. Box 486, Greencastle, Indiana 46135
Part 70 Permit No.: T133-26830-00002
Facility: Kiln
Parameter: Sulfur Dioxide (SO_2) emissions from coal combustion
Limit: 6.0 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: Lone Star Industries, Inc. dba Buzzi Unicem USA
Source Address: 3301 South County Road 150 West, Greencastle, Indiana 46135
Mailing Address: P.O. Box 486, Greencastle, Indiana 46135
Part 70 Permit No.: T133-26830-00002
Facility: Quarry Activities, Raw Material Sizing, Ball Mill Operation, Fly Ash Storage Activities, and Coal Mill Operation
Parameter: Production
Limit: See table below

YEAR:

Month	Production Facility	Column 1	Column 2	Column 1 + Column 2	Production Limit, tons per twelve (12) consecutive month period
		This Month	Previous 11 Months	3 Month Total	
Month 1	Overburden Material				1.2 million overburden
	Input to Primary Crusher				2,262,479 limestone
	Input to Secondary Crusher				2,574,685 slag, bottom ash, sand, shale, limestone, and alternate raw materials
	Input to Coal Mill				313,552 coal
	Fly Ash Input to Kiln				135,289 fly ash
Month 2	Overburden Material				1.2 million overburden
	Input to Primary Crusher				2,262,479 limestone
	Input to Secondary Crusher				2,574,685 slag, bottom ash, sand, shale, limestone, and alternate raw materials
	Input to Coal Mill				313,552 coal
	Fly Ash Input to Kiln				135,289 fly ash
Month 3	Overburden Material				1.2 million overburden
	Input to Primary Crusher				2,262,479 limestone
	Input to Secondary Crusher				2,574,685 slag, bottom ash, sand, shale, limestone, and alternate raw materials
	Input to Coal Mill				313,552 coal
	Fly Ash Input to Kiln				135,289 fly ash

☐ 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: Lone Star Industries, Inc. dba Buzzi Unicem USA
Source Address: 3301 South County Road 150 West, Greencastle, Indiana 46135
Mailing Address: P.O. Box 486, Greencastle, Indiana 46135
Part 70 Permit No.: T133-26830-00002
Facility: Kiln Operations
Parameter: Production
Limit: See table below

YEAR:

Month	Production Facility	Column 1	Column 2	Column 1 + Column 2	Production Limit, tons per twelve (12) consecutive month period
		This Month	Previous 11 Months	12 Month Total	
Month 1	Kiln Raw Material Input				3,149,427 raw feed
	Total Coal Input				313,552 coal
	Clinker Production				1,606,000 clinker
Month 2	Kiln Raw Material Input				3,149,427 raw feed
	Total Coal Input				313,552 coal
	Clinker Production				1,606,000 clinker
Month 3	Kiln Raw Material Input				3,149,427 raw feed
	Total Coal Input				313,552 coal
	Clinker Production				1,606,000 clinker

☐ 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: Lone Star Industries, Inc. dba Buzzi Unicem USA
Source Address: 3301 South County Road 150 West, Greencastle, Indiana 46135
Mailing Address: P.O. Box 486, Greencastle, Indiana 46135
Part 70 Permit No.: T133-26830-00002
Facility: Finish Mill Operations
Parameter: Production
Limit: See table below

YEAR:

Month	Production Facility	Column 1	Column 2	Column 1 + Column 2	Production Limit, tons per twelve (12) consecutive month period
		This Month	Previous 11 Months	12 Month Total	
Month 1	Input to No. 1 Finish Mill				517,942 clinker
	Input to No. 2 Finish Mill				517,942 clinker
	Input to No. 3 Finish Mill				700,567 clinker
Month 2	Input to No. 1 Finish Mill				517,942 clinker
	Input to No. 2 Finish Mill				517,942 clinker
	Input to No. 3 Finish Mill				700,567 clinker
Month 3	Input to No. 1 Finish Mill				517,942 clinker
	Input to No. 2 Finish Mill				517,942 clinker
	Input to No. 3 Finish Mill				700,567 clinker

☐ 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: Lone Star Industries, Inc. dba Buzzi Unicem USA
Source Address: 3301 South County Rd 150 West, Greencastle, Indiana 46135
Mailing Address: P.O. Box 486, Greencastle, Indiana 46135
Part 70 Permit No.: T133-26830-00002
Facility: Clinker Resizing Operation
Parameter: Tons of Clinker Throughput
Limit: The throughput to clinker resizing operation shall not exceed 50,000 tons per twelve (12) consecutive month period with compliance determined at the end of each month.

YEAR:

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

☐ No deviation occurred in this quarter.

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

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

Attach a signed certification to complete this report.

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

Part 70 Quarterly Report

Source Name: Lone Star Industries, Inc. dba Buzzi Unicem USA
Source Address: 3301 South County Rd 150 West, Greencastle, Indiana 46135
Mailing Address: P.O. Box 486, Greencastle, Indiana 46135
Part 70 Permit No.: T133-26830-00002
Facility: Truck Unloading, Pneumatic Conveyance, Silo Loading, Kiln Loading
Parameter: Tons of Pot Liner Throughput
Limit: The throughput shall not exceed 35,040 tons per twelve (12) consecutive month period with compliance determined at the end of each month.

YEAR:

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

☐ No deviation occurred in this quarter.

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

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

Attach a signed certification to complete this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION
PART 70 OPERATING PERMIT
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT

Source Name: Lone Star Industries, Inc. dba Buzzi Unicem USA
Source Address: 3301 South County Road 150 West, Greencastle, Indiana 46135
Mailing Address: P.O. Box 486, Greencstle, IN 46135
Part 70 Permit No.: T133-26830-00002

Months: _____ to _____ Year: _____

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

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

Form Completed by:_____

Title / Position: _____

Date:_____

Phone: _____

Attach a signed certification to complete this report.

Attachment A: FUGITIVE DUST CONTROL PLAN

Lone Star Industries, Inc. dba Buzzi Unicem USA
3310 South County Road 150 West
Greencastle, Indiana 46135

The following equipment and operating procedures will be implemented to control fugitive dust:

(a) A mechanical street sweeper is located on site and normally services all of the paved surfaces associated with plant vehicle traffic on a daily basis during periods when there is an elevated blowing road dust potential. This would be expected to cover summer time operations generally, other than rainfall days.

(b) A water spray tanker is also available at the plant and normally services all of the unpaved surfaces associated with quarry vehicle traffic or maintenance truck traffic on a daily basis during the same periods.

(c) Speed limit signs are posted alerting truckers and other personnel to limit vehicle speeds associated with incoming truck traffic for coal deliveries, sand and gypsum deliveries, and other material received in bulk. Limits also apply to automobile and truck traffic from visitors, maintenance and service companies, employees, etc.

(d) The mean speed limit for quarry haul truck traffic during periods with high blowing road dust potential have been established at 9.6 miles per hour.

(e) Quarry overburden removal, drilling, and blasting operations are not conducted on a continuous basis. During periods of high blowing dust potential, an evaluation will be conducted toward possibilities for rescheduling the work or arranging for additional water spray application to the affected areas.

Indiana Department of Environmental Management
Office of Air Quality

Technical Support Document (TSD) for a Part 70 Minor Source Modification and Minor Permit Modification

Source Description and Location

Source Name:	Lone Star Industries, Inc., dba Buzzi Unicem USA
Source Location:	3301 South County Road 150 West, Greencastle, Indiana 46135
County:	Putnam
SIC Code:	3241
Operation Permit No.:	T133-26830-00002
Operation Permit Issuance Date:	June 17, 2009
Minor Source Modification No.:	133-28560-00002
Minor Permit Modification No.:	133-28588-00002
Permit Reviewer:	Michael S. Brooks

Existing Approvals

The source was issued Part 70 Operating Permit No. T133-26830-00002 on June 17, 2009. The source has since received the following approvals:

(a) Minor Source Modification No. 133-27790-00002, issued on June 22, 2009; and

(b) Minor Permit Modification No. 133-27820-00002, issued on August 18, 2009.

County Attainment Status

The source is located in Putnam County.

Pollutant	Designation
SO_2	Better than national standards.
CO	Unclassifiable or attainment effective November 15, 1990.
O_3	Unclassifiable or attainment effective June 15, 2004, for the 8-hour ozone standard.[1]
PM_{10}	Unclassifiable effective November 15, 1990.
NO_2	Cannot be classified or better than national standards.
Pb	Not designated.

[1]Unclassifiable or attainment effective October 18, 2000, for the 1-hour ozone standard which was revoked effective June 15, 2005.
Unclassifiable or attainment effective April 5, 2005, for $PM_{2.5}$.

(a) Ozone Standards

(1) On October 25, 2006, the Indiana Air Pollution Control Board finalized a rule revision to 326 IAC 1-4-1 revoking the one-hour ozone standard in Indiana.

(2) On September 6, 2007, the Indiana Air Pollution Control Board finalized a temporary emergency rule to re-designate Allen, Clark, Elkhart, Floyd, LaPorte, and St. Joseph Counties as attainment for the 8-hour ozone standard.

(3) On November 9, 2007, the Indiana Air Pollution Control Board finalized a temporary emergency rule to re-designate Boone, Hamilton, Hancock, Hendricks,

Johnson, Madison, Marion, Morgan, and Shelby Counties as attainment for the 8-hour ozone standard.

(4) Volatile organic compounds (VOC) and Nitrogen Oxides (NOx) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NOx emissions are considered when evaluating the rule applicability relating to ozone. Putnam County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NOx emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

(b) Putnam County has been classified as attainment for $PM_{2.5}$. On May 8, 2008, U.S. EPA promulgated the requirements for Prevention of Significant Deterioration (PSD) for $PM_{2.5}$ emissions, and the effective date of these rules is July 15, 2008. Indiana has three (3) years from the publication of these rules to revise its PSD rules, 326 IAC 2-2, to include those requirements. The May 8, 2008 rule revisions require IDEM to regulate PM_{10} emissions as a surrogate for $PM_{2.5}$ emissions until 326 IAC 2-2 is revised.

(c) Other Criteria Pollutants
Putnam County has been classified as attainment or unclassifiable in Indiana for all other criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

(d) Since this source is classified as a portland cement plant, it is considered one (1) of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(gg)(1).

(e) Fugitive Emissions
Since this type of operation is in one (1) of the twenty-eight (28) listed source categories under 326 IAC 2-2, fugitive emissions are counted toward the determination of PSD applicability.

Source Status

The table below summarizes the potential to emit of the entire source, prior to the proposed modification, after consideration of all enforceable limits established in the effective permits:

	Potential to Emit (tons/year)						
Process/ Emission Unit	**PM**	**PM_{10}**	**SO_2**	**VOC**	**CO**	**NO_X**	**HAPs Single/Combined**
Raw Material Sizing	30.7	27.3	-	-	-	-	-
Raw Material Ball Mill	358.7	178.6	-	-	-	-	-
Fly Ash Activities	5.9	4.4	-	-	-	-	-
Coal Mill Operations	15.1	14.5	-	-	-	-	-
Raw Material Feed	4.9	4.8	-	-	-	-	-
Kiln	48.2	48.2	3316	9.23	2930	4392	<10/>25
Clinker Cooler	47.1	46.4	-	-	-	-	-
Finish Mill	94	90.1	-	-	-	-	-
Storage, Loading, and Packing	39	39	-	-	-	-	-
Blend	4.8	3.4	-	-	-	-	-

	Potential to Emit (tons/year)						
Process/ Emission Unit	**PM**	**PM_{10}**	**SO_2**	**VOC**	**CO**	**NO_X**	**HAPs Single/Combined**
Tanks	-	-	-	0.74	-	-	-
Packhouse	47	26.9	-	-	-	-	-
Total	**712.5**	**483.6**	**3316**	**9.97**	**2930**	**4392**	**<10/>25**
Major Source Threshold for Part 70	**NA**	**100**	**100**	**100**	**100**	**100**	**10/25**
Major PSD Threshold	**100**	**100**	**100**	**100**	**100**	**100**	**NA**

(a) This existing stationary source is major for PSD because the emissions of at least one (1) criteria pollutant are greater than one hundred (>100) tons per year, and it is one (1) of the twenty-eight (28) listed source categories.

(b) This existing source is a major source of HAPs, as defined in 40 CFR 63.2, because HAP emissions are greater than twenty-five (25) tons per year for a combination of HAPs. Therefore, this source is a major source under Section 112 of the Clean Air Act (CAA).

Actual Emissions

The following table shows the actual emissions reported from the source. This information reflects the 2006 OAQ emission data.

Pollutant	Actual Emissions (tons/year)
PM	71
PM_{10}	71
SO_2	247
VOC	0
CO	611
NO_x	1641
HAP	Not Reported

Description of Proposed Modification

The Office of Air Quality (OAQ) has reviewed a modification application, submitted by Lone Star Industries, Inc., dba Buzzi Unicem USA, on October 10, 2009, relating to the construction and operation of a synthetic gypsum handling process and construction and operation of a portable screen and conveyor unit for the reclamation of a partially formulated product. The following describes the proposed emission units and pollution control devices:

Synthetic Gypsum Handling Process:

(a) One (1) synthetic gypsum transporting system, identified as 1-47;

(b) Two (2) outdoor synthetic gypsum storage piles, identified as 62 and 64, with a nominal throughput of 268,056 tons per year, using wet suppression to control particulate emissions;

(c) Three (3) synthetic gypsum hoppers, twelve (12) screw conveyors, three (3) weigh belts, and three (3) tubular drag conveyors with a nominal throughput of 10.2 tons per hour each; and

Portable Screen and Conveyor Unit:

(d) One (1) portable screen and conveyor unit for the sizing of plant materials with a nominal throughput of 100 tons per hour, including reclamation of partially formatted clinker product, including the following units:

(1) One (1) vibrating feeder

(2) One (1) portable vibrating screen

(3) One (1) conveyor belt

Under 40 CFR 60, Subpart OOO, this is considered an affected facility.

Enforcement Issues

There are no pending enforcement actions.

Emission Calculations

See Appendix A of this Technical Support Document for detailed emission calculations.

Permit Level Determination – Part 70

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

The following table is used to determine the appropriate permit level under 326 IAC 2-7-10.5. This table reflects the PTE before controls. Control equipment is not considered federally enforceable until it has been required in a federally enforceable permit.

PTE Before Controls of the Modification	
Pollutant	**Potential To Emit** (ton/yr)
PM	22.41
PM_{10}	22.41
SO_2	-
VOC	-
CO	-
NO_X	-

HAP PTE Before Controls of the Modification	
HAPs	**Potential To Emit** (ton/yr)
TOTAL	-

This source modification is subject to 326 IAC 2-7-10.5(d)(5), because the modification is subject to a New Source Performance Standard (NSPS). Additionally, the modification will be

incorporated into the Part 70 Operating Permit through a minor permit modification issued pursuant to 326 IAC 2-7-12(b)(1)(H), because the modification is not required by the Part 70 program to be processed as a significant modification.

Permit Level Determination – PSD

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

	Potential to Emit (ton/yr)					
Process / Emission Unit	**PM**	**PM_{10}**	**SO_2**	**VOC**	**CO**	**NO_X**
Synthetic Gypsum Handling Process	1.58	1.58	-	-	-	-
Portable Screen and Conveyor Unit	3.77	3.77	-	-	-	-
Total for Modification	5.35	5.35				
Major Source Threshold or Significant Level	25	10	40	40	100	40

This modification to an existing major stationary source is not major because the emissions increase is less than the PSD major source thresholds. Therefore, pursuant to 326 IAC 2-2, the PSD requirements do not apply to this modification.

Federal Rule Applicability Determination

NSPS:

(a) Lone Star Industries, Inc., dba Buzzi Unicem USA, is subject to the New Source Performance Standard for Standards of Performance for Nonmetallic Mineral Processing Plants (40 CFR 60.670, Subpart OOO), which is incorporated by reference as 326 IAC 12. The following units are subject to this rule:

(1) One (1) portable screen and conveyor unit for the sizing of plant materials, including reclamation pf partially formatted clinker product, including the following units:

(A) One (1) vibrating feeder

(B) One (1) portable vibrating screen

(C) One (1) conveyor belt

New Source Performance Standard for Standards of Performance for Nonmetallic Mineral Processing Plants (40 CFR 60.670, Subpart OOO) is not being incorporated as part of this modification as the source is already subject to Subpart OOO. There are no additional requirements applicable to this modification.

Pursuant to 40 CFR 60.1, the Permittee shall comply with the provisions of 40 CFR Part 60, Subpart A – General Provisions, which are incorporated by reference as 326 IAC 12, except as otherwise specified in 40 CFR Part 60, Subpart OOO.

NESHAP:

(b) The emission units associated with this modification are not subject to the National Emissions Standards for Hazardous Air Pollutants From the Portland Cement Manufacturing Industry (40 CFR 63, Subpart LLL) because neither the synthetic gypsum

handling process nor the portable screen and conveyor unit process raw maerial. There are no additional requirements needed for this modification.

There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs) (326 IAC 14, 326 IAC 20 and 40 CFR Part 63) applicable to this proposed modification.

CAM:

(c) Pursuant to 40 CFR 64.2, Compliance Assurance Monitoring (CAM) is applicable to each new or modified pollutant-specific emission unit that meets the following criteria:

(1) has a potential to emit before controls equal to or greater than the Part 70 major source threshold for the pollutant involved;

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

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

Based on these criteria, the requirements of 40 CFR Part 64, (CAM) are not applicable to the new process as part of this modification.

State Rule Applicability Determination

326 IAC 2-2 (PSD)
PSD applicability is discussed under the Permit Level Determination – PSD section.

326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP))
The operation of the Synthetic Gypsum Handling Process and the operation of the Portable Screen and Conveyor Unit does not emit any HAPs. Therefore, 326 IAC 2-4.1 does not apply.

326 IAC 8-1-6 (General Reduction Requirements for VOC Emissions)
The provisions of 326 IAC 8-1-6 apply to facilities located in any county constructed after January 1, 1980, which are not otherwise regulated by any other provisions of 326 IAC 8, and have potential VOC emissions of twenty-five (25) tons per year or greater. The Synthetic Gypsum Handling Process and the Portable Screen and Conveyor Unit are not subject to 326 IAC 8-1-6 (General Reduction Requirements for VOC Emissions) because the units do not emit any VOCs.

326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations)
Pursuant to 326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations), fugitive particulate matter emissions shall be controlled according to the plan submitted on September 19, 1997. The plan contains the following equipment and operating procedures for the control of fugitive dust emissions:

(a) A mechanical street sweeper is located on site and normally services all of the paved surfaces associated with plant vehicle traffic on a daily basis during periods when there is an elevated blowing road dust potential. This would be expected to cover summer time operations generally, other than rainfall days.

(b) A water spray tanker is also available at the plant and normally services all of the unpaved surfaces associated with quarry vehicle traffic or maintenance truck traffic on a daily basis during the same periods.

(c) Speed limit signs are posted alerting truckers and other personnel to limit vehicle speeds associated with incoming truck traffic for coal deliveries, sand and gypsum deliveries, and other material received in bulk. Limits also apply to automobile and truck traffic from visitors, maintenance and service companies, employees, etc.

(d) The mean speed limit for quarry haul truck traffic during periods with high blowing road dust potential has been established at 9.6 miles per hour.

(e) Quarry overburden removal, drilling, and blasting operations are not conducted on a continuous basis. During periods of high blowing dust potential, an evaluation will be conducted toward possibilities for rescheduling the work or arranging for additional water spray application to the affected areas.

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

(a) Pursuant to 326 IAC 6-3-1(c)(5), the PM limit for the Portable Screen and Conveyor Unit from 40 CFR Part 60, Subpart OOO (NSPS for Nonmetallic Mineral Processing Plants) is more stringent than the PM limit from 326 IAC 6-3-2. Therefore, the Portable Screen and Conveyor Units are exempt from the requirements of 326 IAC 6-3-2.

(b) The operation of the Synthetic Gypsum Handling Process is part of the existing Gypsum Material Handling Process and shall fall under the existing process emission limit of 55.4 lbs/hr.

Compliance Determination and Monitoring Requirements

Permits issued under 326 IAC 2-7 are required to ensure that sources can demonstrate compliance with all applicable state and federal rules on a continuous basis. All state and federal rules contain compliance provisions; however, these provisions do not always fulfill the requirement for a continuous demonstration. When this occurs, IDEM, OAQ, in conjunction with the source, must develop specific conditions to satisfy 326 IAC 2-7-5. As a result, Compliance Determination Requirements are included in the permit. The Compliance Determination Requirements in Section D of the permit are those conditions that are found directly within state and federal rules and the violation of which serves as grounds for enforcement action.

If the Compliance Determination Requirements are not sufficient to demonstrate continuous compliance, they will be supplemented with Compliance Monitoring Requirements, also in Section D of the permit. Unlike Compliance Determination Requirements, failure to meet Compliance Monitoring conditions would serve as a trigger for corrective actions and not grounds for enforcement action. However, a violation in relation to a compliance monitoring condition will arise through a source's failure to take the appropriate corrective actions within a specific time period.

There are no new compliance determination and monitoring requirements applicable to this modification.

Proposed Changes

The changes listed below have been made to Part 70 Operating Permit No. T133-26830-00002. Deleted language appears as ~~strikethroughs~~ and new language appears in **bold**:

Change #1 Section A.2 has been updated to include the addition of the proposed emission units as follows:

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

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

...

(c) One (1) gypsum material handling process, constructed in 2002**, modified in 2009**, with a nominal production of 150 tons per hour of the blended synthetic gypsum material or rock gypsum, including the following units:

(1) One (1) synthetic gypsum transporting system, identified as 1-47;

(2) Two (2) outdoor synthetic gypsum storage piles, identified as 62 and 64, with a nominal throughput of 268,056 tons per year, using wet suppression to control particulate emissions;

(3) Three (3) synthetic gypsum hoppers, twelve (12) screw conveyors, three (3) weigh belts, and three (3) tubular drag conveyors with a nominal throughput of 10.2 tons per hour each; and

(~~1~~**4**) One (1) finished gypsum material hopper (234F) and two (2) conveyor belts (234V, 234FV), identified as 1-38, with a nominal throughput of 150 tons per hour. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

...

(q) One (1) portable screen and conveyor unit for the sizing of plant materials with a nominal throughput of 100 tons per hour, including reclamation of partially formatted clinker product, including the following units:

(1) One (1) vibrating feeder

(2) One (1) portable vibrating screen

(3) One (1) conveyor belt

Under 40 CFR 60, Subpart OOO, this is considered an affected facility.

Change #2 Section D.1 has been updated to include the addition of the proposed emission units as follows:

SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

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

...

(c) One (1) gypsum material handling process, constructed in 2002**, modified in 2009**, with a nominal production of 150 tons per hour of the blended synthetic gypsum material or rock gypsum, including the following units:

(1) One (1) synthetic gypsum transporting system, identified as 1-47;

(2) Two (2) outdoor synthetic gypsum storage piles, identified as 62 and 64, with a nominal throughput of 268,056 tons per year, using wet suppression to control particulate emissions;

(3) Three (3) synthetic gypsum hoppers, twelve (12) screw conveyors, three (3) weigh belts, and three (3) tubular drag conveyors with a nominal throughput of 10.2 tons per hour each; and

(~~1~~**4**) One (1) finished gypsum material hopper (234F) and two (2) conveyor belts (234V, 234FV), identified as 1-38, with a nominal throughput of 150 tons per hour. Under 40 CFR 63, Subpart LLL, this is considered an affected source.

...

(q) One (1) portable screen and conveyor unit for the sizing of plant materials with a nominal throughput of 100 tons per hour, including reclamation of partially formatted clinker product, including the following units:

(1) One (1) vibrating feeder

(2) One (1) portable vibrating screen

(3) One (1) conveyor belt

Under 40 CFR 60, Subpart OOO, this is considered an affected facility.

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

Change #3 Section E.1 has been updated to include the addition of the emission unit as follows:

SECTION E.1 SOURCE OPERATION CONDITIONS

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

...

(b) One (1) portable screen and conveyor unit for the sizing of plant materials with a nominal throughput of 100 tons per hour, including reclamation of partially formatted clinker product, including the following units:

(1) One (1) vibrating feeder

(2) One (1) portable vibrating screen

(3) One (1) conveyor belt

Under 40 CFR 60, Subpart OOO, this is considered an affected facility.

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

Conclusion and Recommendation

The construction of this proposed modification shall be subject to the conditions of the attached proposed Part 70 Minor Source Modification No. 133-28560-00002 and Minor Permit Modification No. 133-28588-00002. The staff recommends to the Commissioner that this Part 70 Minor Source and Minor Permit Modification be approved.

Appendix A: Emission Calculations
Synthetic Gypsum Handling Process

Company Name: Lone Star Industries, Inc. dba Buzzi Unicem
Address City IN Zip: 3301 South County Road 150 West, Greencastle 46135
Minor Source Modification: 133-28560-00002
Minor Permit Modification: 133-28588-00002
Reviewer: M. S. Brooks
Date: 10/19/2009

****emissions before controls****
(TSP)

		Description		Emission Factor			
Storage		Storage Piles		** see below**		0.62 tons/yr	AP-42 Ch.11.2.3 (Fourth edition, no update)
Transporting	1-47	Unpaved roads		** see below **		0.10 tons/yr	AP-42 Ch. 13.2.2 (Supplement E, 9/98)
Gyp Hopper	1-46,1-52,1-56	Loading & Unloading	268,056 ton/yr x	0.0002 lb/ton	/ 2000 lb/ton	0.03 tons/yr	AP-42 Ch.13.2.4 (Fifth edition, 1/95) calculated
Conveying	1-49,50,51	Conveyor Transfer (9 pts)	268,056 ton/yr x	0.00294 lb/ton	/ 2000 lb/ton	1.18 tons/yr	AP-42 Ch.11.19.2 (Fifth edition, 1/95)
	1-53,54,55						
	1-57,58,59						
	Total emissions before controls:					**1.94 tons/yr**	

*** * emissions after controls * ***

Storage	Storage Piles	0.62 tons/yr x	50% emitted after controls =	0.31 tons/yr
Transporting	Unpaved roads	0.10 tons/yr x	50% emitted after controls =	0.05 tons/yr
Gyp Hopper	Loading & Unloading	0.03 tons/yr x	100% emitted after controls =	0.03 tons/yr
Conveying	Conveyor Transfer1 (9 pts)	1.18 tons/yr x	100% emitted after controls =	1.18 tons/yr
	Total emissions after controls:			**1.58 tons/yr**

Conveyor Points

	Max Capacity		
hrs/yr	tph	#of systems	throughput
8760	10.2	3	**268056**

Synthetic Gypsum Storage Pile:

Ef = 1.7*(s/1.5)*(365-p)/235*(f/15)
= 9.26 lb/acre/day
where s = 8 % silt content of material
p = 125 days of rain greater than or equal to 0.01 inches
f = 15 % of wind greater than or equal to 12 mph

Ep (storage) = Ef*sc*(40 cuft/ton)/(2000 lb/ton)/(43560 sqft/acre)/(25 ft)*(365 day/yr)
= 0.62 tons/yr
where sc = 10 ,000 tons storage capacity

Total Storage Emissions= **0.62**

Loading & Unloading:
The following calculations determine the amount of emissions created by truck
loading and unloading of aggregate, based on 8760 hours of use and AP-42, Ch 13.2.4 (Fifth edition, 1/95).

Ef = k*(0.0032)* (U/5)^1.3/(M/2)^1.4
Ef= 0.0002 lb/ton

where k = 0.74 (particle size multiplier)
U = 10 mile/hr mean wind speed
M = 20 % material moisture content

Unpaved Roads:
The following calculations determine the amount of emissions created by unpaved roads,
based on Maximum possible hours of use and AP-42, Ch 13.2.2 (Nov. 2006).

3 trip/hr x — 15mph / 60 min = .25 mi/min (1 min per load)
0.125 mile/trip x — 23 ton per load, Maximum 67,200 ton/yr = 2,922 loads per year
2 (round trip) x — 2,922 loads x 1 loads/min = 2,922 min / 60 min. = 48.7 hrs
48.7 hr/yr = — 36.525 miles per year

Method 1:
Ef = k*[(s/12)^0.8]*[(W/3)^b]
= 5.70 lb/mile
where k = 2.6 (particle size multiplier for PM-10) (k= 10 for PM-30 or TSP)
s = 9 mean % silt content of unpaved roads
b = 0.4 Constant for PM-10 (b = 0.5 for PM-30 or TSP)
c = 0.3 Constant for PM-10 (c = 0.4 for PM-30 or TSP)
W = 38 tons average vehicle weight
M = 0.2 surface material moisture content, % (default is 0.2 for dry conditions)

$$\frac{5.70 \text{ lb/mi} \times 36.525 \text{ mi/yr}}{2000 \text{ lb/ton}} = 1500 \quad 0.10 \text{ tons/yr}$$

Total for Unpaved Roads: **0.10 ton/yr** (PM = PM10)

Appendix A: Emission Calculations
Portable Screen and Conveyor Unit

Company Name: Lone Star Industries, Inc. dba Buzzi Unicem
Address City IN Zip: 3301 South County Road 150 West, Greencastle 46135
Minor Source Modification: 133-28560-00002
Minor Permit Modification: 133-28588-00002
Reviewer: M. S. Brooks
Date: 10/19/2009

****potential emissions before controls****

		Description	(TSP)	Emission Factor		# of points		(PM10)
Hauling	F3-32	Hauling	100 ton/hr x	see below**		1	0.03 tons/yr	0.01 lb/hr
Dozer Sizing	F3-32a	Handling	80 ton/hr x	0.0016 lb/ton	/ 2000 lb/ton	3	1.68 tons/yr	0.38 lb/hr
Vibrating Feeder	F3-33	Loading & Unloading	100 ton/hr x	0.00900 lb/ton	/ 2000 lb/ton	1	3.94 tons/yr	0.90 lb/hr
Screen	S3-34	Screening	100 ton/hr x	0.02500 lb/ton	/ 2000 lb/ton	1	10.95 tons/yr	2.50 lb/hr
Misc Conveying AP42 11.19.2 1/95	S3-34	Conveyor Transfer(3 pts	100 ton/yr x	0.00294 lb/ton	/ 2000 lb/ton	3	3.86 tons/yr	0.88 lb/hr
	Total emissions before controls:						20.47 tons/yr	4.67 lb/hr

PM/PM10 Potential To Emit (PTE) **PTE = 112.16 lb/day**
20.47 tons/yr

*** * emissions after controls * ***

Hauling	Road dust	0.03 tons/yr x	50%		emitted after controls =	0.0159 tons/yr
Dozer Sizing	Dozer	1.68 tons/yr x	50%		emitted after controls =	0.8410 tons/yr
Vibrating Feeder	Loading & Unloading	3.94 tons/yr x	50%		emitted after controls =	1.9710 tons/yr
Screen	Screening	10.95 tons/yr x	.01 gr/dscf 3500 CFM	(.3 lb/hr)	emitted after controls =	0.9000 tons/yr
Misc Conveying AP42 11.19.2 1/95	Conveyor Transfer(3 pts)	3.86 tons/yr x	1.00%		emitted after controls =	0.0386 tons/yr
	Total emissions after controls:					**3.77 tons/yr**

Handling:
The following calculations determine the amount of emissions created by truck
loading and unloading of aggregate, based on 8760 hours of use and AP-42, Ch 13.2.4 (Fifth edition, 1/95).

Ef = k*(0.0032)* (U/5)^1.3/(M/2)^1.4
Ef= 0.0016 lb/ton

where k = 0.74 (particle size multiplier)
U = 10 mile/hr mean wind speed
M = 5 % material moisture content

Unpaved Roads:

1 trip/hr x
0.1 mile/trip x
2 (round trip) x
55.6 hr/yr =

15mph / 60 min = .25 mi/min (1 mile round trip / .25 mi/min = 4 min/load)
60 tons per load, Maximum 50,000 ton/yr = 834 loads per year
834 loads x 4 min/load = 3,336 min/ 60 min = 55.6 hrs
11.12 miles per year

Method 1:

Ef = k*[(s/12)^0.8]*[(W/3)^b]/[(M/0.2)^c]
= 5.70 lb/mile
where k = 2.6 (particle size multiplier for PM-10) (k= 10 for PM-30 or TSP)
s = 9 mean % silt content of unpaved roads
b = 0.4 Constant for PM-10 (b = 0.5 for PM-30 or TSP)
c = 0.3 Constant for PM-10 (c = 0.4 for PM-30 or TSP)
W = 38 tons average vehicle weight
M = 0.2 surface material moisture content, % (default is 0.2 for dry conditions)

$$\frac{5.70 \text{ lb/mi} \times 11.12 \text{ mi/yr}}{2000 \text{ lb/ton}} = 0.03 \text{ tons/yr}$$

Total for Unpaved Roads: **0.03 ton/yr** (PM = PM10)

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

100 North Senate Avenue
Indianapolis, Indiana 46204
(317) 232-8603
Toll Free (800) 451-6027
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SENT VIA U.S. MAIL: CONFIRMED DELIVERY AND SIGNATURE REQUESTED

TO: Robert West
Lone Star Industries, Inc.
POB 482
Greencastle, Indiana 46135

DATE: November 23, 2009

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

SUBJECT: Final Decision
Title V
133-28560-00002

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

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

A copy of the final decision and supporting materials has also been sent via standard mail to:
John Kass (Lone Star Industries, Inc.)
OAQ Permits Branch Interested Parties List

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

Final Applicant Cover letter.dot 11/30/07

Mail Code 61-53

IDEM Staff	CDENNY 11/23/2009 Lone Star Industries, Inc. 133-28560-00002 (final)			AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING
Name and address of Sender	▶	Indiana Department of Environmental Management Office of Air Quality – Permits Branch 100 N. Senate Indianapolis, IN 46204	Type of Mail: **CERTIFICATE OF MAILING ONLY**	

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1		Robert West Lone Star Industries, Inc. PO Box 482 Greeencastle IN 46135 (Source CAATS)									
2		John Kass Plant Mgr Lone Star Industries, Inc. PO Box 482 Greeencastle IN 46135 *(RO CAATS)*									
3		Mr. Charles Butler 1312 Bloomington St Greencastle IN 46135 *(Affected Party)*									
4		Mr. William Moore 84 South Greencastle IN 46135 *(Affected Party)*									
5		Heritage House Convalescent Ctr of Putnam Co 1601 Hospital Dr Greencastle IN 46135 *(Affected Party)*									
6		Putnam County Commissioners One West Washington Street Greencastle IN 46135 *(Local Official)*									
7		Greencastle City Council and Mayors Office 1 N. Locust ST. Greencastle IN 46135 *(Local Official)*									
8		Putnam County Health Department 209 W. Liberty Street Rm. 13,Courthouse, 4th Floor Greencastle IN 46135-1502 *(Health Department)*									
9		Mr. Richard Monday 545 E. Margaret Dr. Terre Haute IN 47801 *(Affected Party)*									
10		J.P. Roehm PO Box 303 Clinton IN 47842 *(Affected Party)*									
11		Mr. Tim Thomas c/o Boilermakers Local 374 6333 Kennedy Ave. Hammond IN 46333 *(Affected Party)*									
12		Robert West Buzzi Unicem USA 3301 S CR 150 W PO Box 486 Greencastle IN 46135 *(Consultant)*									
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