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: February 7, 2011

RE: United States Gypsum / 089-29997-00333

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

Notice of Decision – Approval

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

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

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

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

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

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

Enclosures
FNPER-AM.dot12/3/07

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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Mr. Kevin Henry
Maintenance General Foreman
United States Gypsum
301 Riley Road
East Chicago, IN 46132

February 7, 2011

Re: 089-29997-00333
Second Administrative Amendment to:
Part 70 Permit (1st Renewal) No.: T 089-17794-00333

Dear Mr. Henry:

United States Gypsum was issued Part 70 operating permit (1st renewal) T089-17794-00333 on June 12, 2009 for a stationary gypsum wallboard and gypsum products manufacturing plant. A letter requesting changes to the permit was received on December 14, 2010. The Permittee requested approval for the addition of a wet starch receiving bin identified as BBH-16A, which is used interchangeably with permitted bin BBH-16. The bin BBH-16A was inadvertently omitted from the Part 70 permit. Pursuant to the provisions of 326 IAC 2-7-11, the permit is hereby administratively amended as follows (additions have been **bolded**):

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 gypsum wallboard manufacturing line, consisting of the following equipment:

(a) One (1) stucco storage bin, constructed in 1999, with a maximum capacity of 1200 tons, with particulate matter controlled by one (1) bin vent, identified as BBH-11, and exhausting through one (1) stack, identified as B-11.

(b) One (1) stucco surge bin with hopper, constructed in 1999, with a maximum capacity of 2 tons, with particulate matter controlled by one (1) baghouse, identified as BBH-13, and exhausting through one (1) stack, identified as B-13.

(c) One (1) (HRA) landplaster feed bin, constructed in 1999, with a maximum capacity of 20 tons, with particulate matter emissions controlled by one (1) bin vent, identified as BBH-12, and exhausting inside the building through one (1) stack, identified as B-12.

(d) One (1) HRA mill additive bin (sugar), constructed in 1999, with a maximum capacity of 10 cubic feet, feeding the HRA ball mill, with particulate matter emissions uncontrolled, and exhausting inside the building.

(e) One (1) HRA ball mill, constructed in 1999, with a maximum throughput of 2400 pounds per hour, with particulate matter controlled by one (1) baghouse, identified as BBH-18, and exhausting inside the building through one (1) stack, identified as B-18.

(f) One (1) HRA bin, constructed in 1999, with a maximum capacity of 3 tons, with particulate matter controlled by one (1) baghouse, identified as BBH-13, and exhausting through one (1) stack, identified as B-13.

(g) One (1) additive refill bin (starch) constructed in 1999, with a maximum capacity of 3 tons, with particulate matter controlled by one (1) baghouse, identified as BBH-16 **(used interchangeably with bin BBH-16A)**, and exhausting inside the building through one (1) stack, identified as B-16.

SECTION D.4 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

A gypsum wallboard manufacturing line, consisting of the following equipment:

(a) One (1) stucco storage bin, constructed in 1999, with a maximum capacity of 1200 tons, with particulate matter controlled by one (1) bin vent, identified as BBH-11, and exhausting through one (1) stack, identified as B-11.

....

(f) One (1) HRA bin, constructed in 1999, with a maximum capacity of 3 tons, with particulate matter controlled by one (1) baghouse, identified as BBH-13, and exhausting through one (1) stack, identified as B-13.

(g) One (1) additive refill bin (starch), constructed in 1999, with a maximum capacity of 3 tons, with particulate matter controlled by one (1) baghouse, identified as BBH-16 **(used interchangeably with bin BBH-16A)**, and exhausting inside the building through one (1) stack, identified as B-16.

(h) One (1) additive refill receiver (kaolinite), controlled by one (1) vacuum receiver, identified as BVH-17, constructed in 1999, and exhausting inside the building through one (1) stack, identified as B-17.

...

D.4.3 Particulate Emission Limitations [326 IAC 6.8-1-2]

Pursuant to 326 IAC 6.8-1-2, the particulate emissions from each stack for the following emission units; one (1) stucco surge bin with hopper, exhausting through stack B-13, one (1) HRA ball mill exhausting inside the building through stack, B-18, one (1) additive refill bin (starch), controlled by one (1) baghouse, identified as BBH-16 **(used interchangeably with BBH-16A)**, and exhausting inside the building through stack B-16, two (2) additive bulk storage bins (starch and kaolinite), exhausting to two (2) respective stacks B-14 and B-15; one (1) additive surge bin (kaolinite), one (1) paper fiber mill, one (1) mixing screw conveyor and one (1) wet mixer, with particulate matter controlled by one (1) baghouse, exhausting through stack B-13, one (1) end saw, one cut-back saw, exhausting through stack B-25 one (1) waste reclaim shredder, exhausting through two (2) stacks WR-1 and WR-2 shall not exceed 0.03 gr/dscf.

D.4.4 Particulate Emission Less Than Ten Microns (PM10) Limitations [326 IAC 6.8-10-3]

(a) Pursuant to 326 IAC 6.8-10-3(7)(A), the PM10 emissions from the following material processing facilities shall each not exceed twenty-two thousandths (0.022) grain per dry standard cubic foot (gr/dscf):

Material Processing Facility	Control ID
Stucco storage bin	Bin vent BBH -11 (stack B-11)
Stucco surge bin with hopper, HRA bin, paper fiber mill, mixing screw conveyor and wet mixer,	Baghouse BBH-13 (stack B-13)
HRA landplaster feed bin	Bin vent BBH-12 (stack B-12)
HRA mill additive bin (sugar)	No Control (exhaust inside the building)
HRA ball mill	Baghouse BBH-18 (stack B-18)
Additive refill bin (starch),	Baghouse BBH-16/**BBH-16A** (stack B-16)
Additive refill receiver (kaolinite),	Vacuum receiver BVH-17 (stack B-17)
Additive bulk storage bin (starch),	Baghouse BBH-14 (stack B-14)
Additive bulk storage bin (kaolinite)	Baghouse BBH-15 (stack B-15)
Additive surge bin (kaolinite),	Baghouse BBH-17(stack B-17)
Glass fiber additive bin	No control (exhaust inside the building)
Wallboard drying kiln	No control (stack B-20)
End saw	Baghouse BBH-25 (stack B-25)
Wallboard shredder	2 Baghouses WRBH-1 (stack WR-1) and WRBH-2 (stack WR-2)
Dunnage saw	Baghouse BBH-25 (stack B-25)

All other conditions of the permit shall remain unchanged and in effect. Please find enclosed the entire revised permit.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Madhurima Moulik at (800) 451-6027, ask for Madhurima Moulik or extension 3-0868, or dial (317) 233-0868.

Sincerely,

Chrystal Wagner, Section Chief
Permits Branch
Office of Air Quality

Attachments
MDM
cc: File - Lake County
Lake County Health Department
Air Compliance and Enforcement Manager – Rick Massoels
Compliance Data Section

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Part 70 Operating Permit Renewal
OFFICE OF AIR QUALITY

United States Gypsum Company
301 Riley Road
East Chicago, Indiana 46312

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

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

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

Operation Permit No.: 089-17794-00333	
Issued by: Original Issued By: Donald F. Robin, P.E., Section Chief Permits Branch Office of Air Quality	Issuance Date: 06-12-2009 Expiration Date: 06-12-2014

First Administrative Amendment No. 089-28497-00333 issued on November 3, 2009

Second Administrative Amendment No.: 089-29997-00333	
Issued by: Chrystal Wagner, Section Chief Permits Branch Office of Air Quality	Issuance Date: February 7, 2011 Expiration Date: 06-12-2014

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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 gypsum wallboard and gypsum products manufacturing plant.

Source Address:	301 Riley Road, East Chicago, IN 46312
Mailing Address:	301 Riley Road, East Chicago, IN 46312
General Source Phone Number:	(219)392-4664
SIC Code:	3275
County Location:	Lake
Source Location Status:	Nonattainment for 8-hour ozone standard Nonattainment for PM2.5 standard Attainment for all other criteria pollutants
Source Status:	Part 70 Operating Permit Program Minor Source, under PSD, Emission Offset and Nonattainment NSR Rules Minor Source, Section 112 of the Clean Air Act Not 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:

Raw material handling and storage, consisting of the following equipment:

(a) One (1) pneumatic rail car unloading facility, constructed in 1977, with a maximum throughput of 24,000 pounds per hour, used for limestone, hydrocal, and mica, with particulate matter emissions controlled by each individual baghouse identified as JBH-11, JBH-12 and JBH-13, and exhausting through each respective stack identified as J-11, J-12 and J-13 respectively.

(b) One (1) pneumatic truck unloading facility, constructed in 1977, with a maximum throughput of 22,000 pounds per hour, used for perlite, with particulate matter emissions controlled by one (1) baghouse, identified as JBH-16, and exhausting through one (1) stack, identified as J-16.

(c) One (1) limestone storage silo, constructed in 1977, with a maximum capacity of 330 tons, with particulate matter emissions controlled by one (1) baghouse, identified as JBH-11, and exhausting through one (1) stack, identified as J-11.

(d) One (1) hydrocal storage silo, constructed in 1977, with a maximum capacity of 140 tons, with particulate matter emissions controlled by one (1) baghouse, identified as JBH-12, and exhausting through one (1) stack, identified as J-12.

(e) One (1) mica storage silo, constructed in 1977, with a maximum capacity of 60 tons, with particulate matter emissions controlled by one (1) baghouse, identified as JBH-13, and exhausting through one (1) stack, identified as J-13.

(f) One (1) perlite storage silo, constructed in 1977, with a maximum capacity of 250 tons, with particulate matter emissions controlled by one (1) baghouse, identified as JBH-16, and exhausting through one (1) stack, identified as J-16.

(g) One (1) enclosed rock shed, constructed in 1929, with a maximum capacity of 125,000 tons.

(h) One (1) waste board material stockpile, permitted in 1988, identified as F-1, with particulate matter emissions exhausting directly to the atmosphere.

A landplaster production process, consisting of the following equipment:

(a) One (1) dryer mill bin #1, constructed in 1988, with a maximum capacity of 60 tons and a throughput of 35 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as MBH-8, exhausting and exhausting through one (1) stack, identified as M-8.

(b) One (1) dryer mill bin #2, constructed in 1999, with a maximum capacity of 60 tons and a throughput of 35 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as MBH-12, exhausting and exhausting through one (1) stack, identified as M-12.

(c) One (1) dryer mill #1, constructed in 1988, with a maximum throughput of 35 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as MBH-8, and exhausting through one (1) stack, identified as M-8.

(d) One (1) natural gas-fired burner for the dryer mill #1, constructed in 1988, with a heat input capacity of 20 MMBtu per hour, and exhausting through one (1) stack, identified as M-8.

(e) One (1) screening station #1, constructed in 1988, with a maximum throughput of 35 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as MBH-8, and exhausting through one (1) stack, identified as M-8.

(f) One (1) dryer mill #2, constructed in 1988, with a maximum throughput of 35 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as MBH-12, and exhausting through one (1) stack, identified as M-12.

(g) One (1) natural gas-fired burner for the dryer mill #2, constructed in 1988, with a heat input capacity of 20 MMBtu per hour, and exhausting through one (1) stack, identified as M-12.

(h) One (1) mill HRA landplaster bin, constructed in 1999, with a maximum capacity of 20 tons, with particulate matter controlled by one (1) baghouse, identified as MBH-19, and exhausting through one (1) stack, identified as M-19.

(i) One (1) paper waste reclamation unit, constructed in 2007, with a maximum capacity of 5.0 tons per hour, with particulate emissions controlled by one (1) cyclone and one (1) baghouse dust collector, identified as DC WR-3, exhausting through one (1) stack, identified as WR-3.

A stucco production process, consisting of the following equipment:

(a) Two (2) kettle feed bins, known as kettle feed bin #1 and kettle feed bin #2, constructed in 1929, each with a maximum capacity of 60 tons, with particulate matter emissions

controlled by two (2) baghouses. Emissions from kettle feed bin #1 will be controlled by one (1) baghouse, known as MBH-25, and exhausting through one (1) stack, identified as M-25. Emissions from kettle feed bin #2 will be controlled by one (1) baghouse, known as MBH-27 and exhausting through one (1) stack, identified as M-27.

(b) One (1) calcining kettle, known as calcining kettle #1A, constructed in 2006, with a maximum throughput of 11.5 tons per hour, with particulate emissions controlled by one (1) baghouse, identified as MBH-22, and exhausting through one (1) stack, identified as M-22A.

(c) One (1) calcining kettle, known as calcining kettle #1B, constructed in 2007, with a maximum throughput of 12.0 tons per hour, with particulate emissions controlled by one (1) baghouse, identified as MBH-22, and exhausting through one (1) stack, identified as M-22B.

(d) One (1) calcining kettle, known as calcining kettle #2, constructed in 1998, with a maximum throughput of 45 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as MBH-16, and exhausting through one (1) stack, identified as M-16.

(e) One (1) natural gas-fired burner for calcining kettle #1A, constructed in 2007, with a heat input capacity of 7.5 MMBtu per hour, and exhausting through one (1) stack, identified as M-22A.

(f) One (1) natural gas-fired burner for calcining kettle #1B, constructed in 2006, with a heat input capacity of 7.5 million British thermal units per hour, and exhausting through one (1) stack, identified as M-22B.

(g) Six (6) natural gas-fired burners for the calcining kettle #2, constructed in 1998, each with a heat input capacity of 5 MMBtu per hour, and exhausting through one (1) stack, identified as M-14.

(h) One (1) kettle feed bin, known as kettle feed bin #3, constructed in 1929, with a maximum capacity of 60 tons, with particulate matter emissions controlled by one (1) baghouse, identified as MBH-28, and exhausting through one (1) stack, identified as M-28.

(i) One (1) calcining kettle, known as calcining kettle #3, constructed in 1929, with a maximum throughput of 30 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as MBH-1, and exhausting through one (1) stack, identified as M-1.

(j) One (1) natural-gas fired burner for the calcining kettle #3, constructed in 1929, with a heat input capacity of 15 MMBtu per hour, and exhausting through one (1) stack, identified as M-6.

(k) One (1) hot pit, known as hot pit #3, constructed in 1929, with a maximum throughput of 30 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as MBH-3, and exhausting through one (1) stack, identified as M-1.

(l) Miscellaneous stucco handling equipment, constructed in 1998, including one (1) #4 stucco elevator, one (1) #17 screw, and one (1) #17A screw, with a maximum throughput of 70 tons per hour, with particulate matter emissions controlled by partial or total enclosure, and exhausting to associated processes or directly to the atmosphere. Some portions of the stucco handling system are controlled by one (1) baghouse, identified as MBH-2, and exhausting through one (1) stack, identified as M-2.

(m) Stucco storage equipment, including one (1) #49 screw, and one (1) #47 screw, constructed in 1929, with a maximum capacity of seventy (70) tons per hour, and three stucco storage bins, known as #1, #2 and #3, each with a capacity of 175 tons, with particulate emissions controlled by one (1) baghouse, identified as MBH-24, and exhausting through one (1) stack, identified as M-23.

(n) Stucco storage equipment, including one (1) #1 elevator and one (1) #27 screw, constructed in 1929, with a maximum capacity of seventy (70) tons per hour, and three (3) stucco storage bins, known as #4, #5 and #6, each with a capacity of 175 tons, with particulate emissions controlled by one (1) baghouse, identified as MBH-23, and exhausting through one (1) stack, identified as M-23.

(o) One (1) stucco storage bin, constructed in 1999, with a maximum capacity of 50 tons, with particulate matter controlled by one (1) baghouse, identified as MBH-2, and exhausting through one (1) stack, identified as M-2.

(p) A conveying system, constructed in 1988, consisting of belt and screw conveyors, with particulate matter emissions controlled by partial or total enclosure, and exhausting to associated processes or directly to the atmosphere. Some portions of the conveyor system are controlled by one (1) baghouse, identified as MBH-2, and exhausting through one (1) stack, identified as M-2.

A gypsum wallboard manufacturing line, consisting of the following equipment:

(a) One (1) stucco storage bin, constructed in 1999, with a maximum capacity of 1200 tons, with particulate matter controlled by one (1) bin vent, identified as BBH-11, and exhausting through one (1) stack, identified as B-11.

(b) One (1) stucco surge bin with hopper, constructed in 1999, with a maximum capacity of 2 tons, with particulate matter controlled by one (1) baghouse, identified as BBH-13, and exhausting through one (1) stack, identified as B-13.

(c) One (1) (HRA) landplaster feed bin, constructed in 1999, with a maximum capacity of 20 tons, with particulate matter emissions controlled by one (1) bin vent, identified as BBH-12, and exhausting inside the building through one (1) stack, identified as B-12.

(d) One (1) HRA mill additive bin (sugar), constructed in 1999, with a maximum capacity of 10 cubic feet, feeding the HRA ball mill, with particulate matter emissions uncontrolled, and exhausting inside the building.

(e) One (1) HRA ball mill, constructed in 1999, with a maximum throughput of 2400 pounds per hour, with particulate matter controlled by one (1) baghouse, identified as BBH-18, and exhausting inside the building through one (1) stack, identified as B-18.

(f) One (1) HRA bin, constructed in 1999, with a maximum capacity of 3 tons, with particulate matter controlled by one (1) baghouse, identified as BBH-13, and exhausting through one (1) stack, identified as B-13.

(g) One (1) additive refill bin (starch) constructed in 1999, with a maximum capacity of 3 tons, with particulate matter controlled by one (1) baghouse, identified as BBH-16 (used interchangeably with bin BBH-16A), and exhausting inside the building through one (1) stack, identified as B-16.

(h) One (1) additive refill receiver (kaolinite), controlled by one (1) vacuum receiver, identified as BVH-17, constructed in 1999, and exhausting inside the building through one (1)

stack, identified as B-17.

(i) Two (2) additive bulk storage bins (starch and kaolinite), constructed in 1999, each with a maximum capacity of 75 tons, with particulate matter emissions controlled by two (2) separate baghouses, identified as BBH-14 (starch) and BBH-15 (kaolinite), and all exhausting to two (2) respective stacks, identified as B-14 and B-15.

(j) One (1) additive surge bin (kaolinite), constructed in 1999, with a maximum capacity of 5 tons, with particulate matter controlled by one (1) baghouse, identified as BBH-17, and exhausting through one (1) stack, identified as B-17.

(k) One (1) glass fiber additive bin, constructed in 1999, with a maximum capacity of six (6) cubic feet, with particulate matter emissions uncontrolled, and exhausting inside the building.

(l) One (1) paper fiber mill with cyclone separator, constructed in 1999, with a maximum throughput of 900 pounds per hour, with particulate matter emissions controlled by one (1) baghouse, identified as BBH-13, and exhausting through one (1) stack, identified as B-13.

(m) One (1) mixing screw conveyor, constructed in 1999, with a maximum throughput of 60 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as BBH-13, and exhausting through one (1) stack, identified as B-13.

(n) One (1) natural gas-fired gauging water heater, constructed in 1999, with a heat input capacity of 3.5 MMBtu per hour, and exhausting through one (1) stack, identified as B-19.

(o) One (1) wet mixer, constructed in 1999, with particulate matter emissions controlled by one (1) baghouse, identified as BBH-13, and exhausting through one (1) stack, identified as B-13.

(p) One (1) wet zone kiln natural gas-fired burner, constructed in 1999, with a heat input capacity of 67 MMBtu per hour, and exhausting through one (1) stack, identified as B-20.

(q) One (1) dry zone kiln natural gas-fired burner, constructed in 1999, with a heat input capacity of 67 MMBtu per hour, and exhausting through one (1) stack, identified as B-20.

(r) One (1) wet end seal natural gas-fired burner, constructed in 1999, with a heat input capacity of 2.5 MMBtu per hour, and exhausting through one (1) stack, identified as B-20.

(s) One (1) dry end seal natural gas-fired burner, constructed in 1999, with a heat input capacity of 2.5 MMBtu per hour, and exhausting through one (1) stack, identified as B-20.

(t) One (1) wallboard drying kiln, constructed in 1999, with a maximum throughput of 90,000 square feet (1/2 inch equivalent) of wallboard per hour, and exhausting through one (1) main stack, identified as B-20.

(u) One (1) end saw, constructed in 1999, with a maximum throughput of 90,000 square feet (1/2 inch equivalent) of wallboard per hour, with particulate matter emissions controlled by one (1) baghouse, identified as BBH-25, and exhausting through one (1) stack, identified as B-25.

(v) One (1) wallboard shredder, constructed in 1999, with a maximum throughput of 50 tons per hour, with particulate matter controlled by two (2) baghouses, identified as WRBH-1 and WRBH-2, and exhausting through two (2) stacks, identified as WR-1 and WR-2, respectively.

(w) One (1) existing dunnage saw, constructed in 1999, with particulate matter controlled by one (1) baghouse, identified as BBH-25, and exhausting through one (1) stack, identified as B-25.

A joint treatment process, consisting of the following equipment:

(a) A pneumatic conveying system from the bulk storage silos to the scale hoppers, constructed in 1977, with particulate matter emissions controlled by three (3) baghouses, identified as JBH-11, JBH-12 and JBH-13, and exhausting through three (3) stacks, identified as J-11, J-12 and J-13, respectively.

(b) Four (4) scale hoppers, constructed in 1977, with particulate matter emissions uncontrolled, and exhausting inside the building.

(c) A ready-mix line, consisting of the following equipment:

(1) Two (2) holding hoppers, constructed in 1977, each with a maximum throughput of 5 tons per hour, with particulate matter emissions controlled by two (2) baghouses, identified as JBH-1 and JBH-2, and each exhausting through two (2) stacks, identified as J-1 and J-2, respectively.

(2) One (1) dry additive bag dump, constructed in 1977, with a maximum throughput of 1176 pounds per hour, with particulate matter controlled by three (3) baghouses, identified as JBH-1, JBH-2 and JVH-3, and exhausting through three (3) stacks, identified as J-1, J-2 and J-3, respectively.

(3) Two (2) wet mixers, constructed in 1997, each with a maximum throughput of 7.25 tons per hour, controlled by baghouses JBH-1 and JBH-2, each exhausting through two (2) stacks, identified as J-1 and J-2, respectively.

(4) One (1) Quick mixer, controlled by one (1) baghouse, identified as JVH-20.

(5) One (1) conveying system, controlled by one (1) baghouse, identified as JVH-3.

(d) A dry joint compound line, consisting of the following equipment:

(1) One (1) dry joint additive bag dump, constructed in 1995, with a maximum throughput of 600 pounds per hour, with particulate matter emissions controlled by one (1) baghouse, identified as JBH-8, and exhausting through one (1) stack, identified as J-8.

(2) One (1) reclaim screw conveyor, constructed in 1995, with a maximum throughput of 1,184 pounds per hour, with particulate matter emissions controlled by one (1) baghouse, identified as JBH-7, and exhausting through one (1) stack, identified as J-7.

(3) One (1) dry joint mixer, constructed in 1977, with a maximum throughput of 5,678 pounds per hour, with particulate matter emissions controlled by one (1) baghouse, identified as JBH-7, and exhausting through one (1) stack, identified as J-7.

(4) One (1) packing machine, constructed in 1977, with a maximum throughput of 5,100 pounds per hour, with particulate matter emissions controlled by one (1) baghouse, identified as JBH-14, and exhausting inside the building through stack J-14.

(e) A dry texture paint line, consisting of the following equipment:

(1) One (1) reclaim screw conveyor, constructed in 1995, with maximum throughput of 502 pounds per hour, and a polystyrene screw conveyor, with a maximum capacity of 75 pounds per hour, with particulate matter emissions controlled by one (1) baghouse, identified as JBH-4, and exhausting through one (1) stack, identified as J-4.

(2) One (1) dry texture paint mixer, constructed in 1977, with a maximum throughput of 4650 pounds per hour, with particulate matter emissions controlled by one (1) baghouse, identified as JBH-4, and exhausting through one (1) stack, identified as J-4.

(3) One (1) packing machine, constructed in 1977, with a maximum throughput of 4650 pounds per hour, with particulate matter emissions controlled by one (1) baghouse, identified as JBH-4, and exhausting through one (1) stack, identified as J-4.

(4) One (1) dry paint weigh station, constructed in 1977, with particulate matter emissions controlled by one (1) baghouse, identified as JBH-15, and exhausting through one (1) stack, identified as J-15.

(5) One (1) dry additive conveying system, constructed in 1977, with a maximum throughput of 400 pounds per hour, with particulate emissions controlled by one (1) vacuum receiver, identified as JVH-6, and exhausting through one (1) stack, identified as J-6.

(6) One (1) additive bag dump, constructed in 1977, with a maximum throughput of 390 pounds per hour, with particulate matter emissions controlled by one (1) baghouse, identified as JBH-5,and exhausting through one (1) stack, identified as J-5.

(f) A bag dump system serving the ready-mix, dry joint compound, and dry texture paint lines, consisting of the following equipment:

(1) One (1) bag and tote dispensing system, identified as BTD1, constructed in 2006, with a maximum throughput of 2,166 pounds of dry additives per hour, controlled by one dry cartridge filter dust collector, identified as JBH-17, exhausting inside the building.

(2) One (1) weighing and batching system identified as WB1, constructed in 2006, with a maximum throughput of 2,166 pounds of dry additives per hour, controlled by two (2) dry cartridge filter dust collectors, identified as JBH-18 and JBH-19, exhausting inside the building.

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

This stationary source has the following insignificant activities, as defined in 326 IAC 2-7-1(21).

(a) Degreasing operation that does not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6.

(b) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding

equipment.

(c) One (1) landplaster baler, with particulate matter emissions uncontrolled, and exhausting directly to the atmosphere.

(d) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) British thermal units per hour.

(e) A polypropylene bag grinding process, consisting of the following equipment:

(1) A bag storage and conveying system, with two (2) bins and two (2) screw conveyors, with negligible emissions, and exhausting inside the building.

(2) Two (2) polypropylene bags grinding machines, each with a maximum throughput of 20 pounds per hour, with particulate matter emissions controlled by partial enclosure, and exhausted to the ground polypropylene bins.

(3) Three (3) ground polypropylene bins with screens, with a combined maximum capacity of 360 cubic feet, with particulate matter emissions uncontrolled, and exhausting inside the building.

(4) One (1) weigh feeder, with a maximum throughput of 47 pounds per hour, with particulate matter emissions uncontrolled, and exhausting inside the building.

(f) One (1) synthetic gypsum storage pile, permitted in 2009, with a storage capacity of 50,000 tons.

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, 089-17794-00333, 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] [IC 13-17-12]

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 April 15 of each year to:

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

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, and Northwest Regional Office within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

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
Northwest Regional Office phone: (219) 757-0265; fax: (219) 757-0267**.**

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

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

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

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

(A) A description of the emergency;

(B) Any steps taken to mitigate the emissions; and

(C) Corrective actions taken.

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

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

(c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.

(d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.

(e) 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 089-17794-00333 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 Data Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

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

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

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

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

Any such application shall be certified by the "responsible official" as defined by 326 IAC 2-7-1(34).

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

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

and

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

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

(5) The Permittee maintains records on-site, 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 modification, construction, or reconstruction is governed by the requirements of 326 IAC 2 and 326 IAC 2-7-10.5.

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

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

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

B.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), 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 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.2 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.3 Fugitive Dust Emissions [326 IAC 6-4]

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

C.4 Fugitive Dust Emissions [326 IAC 6.8-10-3]

Pursuant to 326 IAC 6.8-10-3 (formerly 326 IAC 6-1-11.1) (Lake County Fugitive Particulate Matter Control Requirements), the particulate matter emissions from source wide activities shall meet the following requirements:

(a) The average instantaneous opacity of fugitive particulate emissions from a paved road shall not exceed ten percent (10%).

(b) The average instantaneous opacity of fugitive particulate emissions from an unpaved road shall not exceed ten percent (10%).

(c) The average instantaneous opacity of fugitive particulate emissions from batch transfer shall not exceed ten percent (10%).

(d) The opacity of fugitive particulate emissions from continuous transfer of material onto and out of storage piles shall not exceed ten percent (10%) on a three (3) minute average.

(e) The opacity of fugitive particulate emissions from storage piles shall not exceed ten percent (10%) on a six (6) minute average.

(f) There shall be a zero (0) percent frequency of visible emission observations of a material during the inplant transportation of material by truck or rail at any time.

(g) The opacity of fugitive particulate emissions from the inplant transportation of material by front end loaders and skip hoists shall not exceed ten percent (10%).

(h) There shall be a zero (0) percent frequency of visible emission observations from a building enclosing all or part of the material processing equipment, except from a vent in the building.

(i) The PM10 emissions from building vents shall not exceed twenty-two thousandths (0.022) grains per dry standard cubic foot and ten percent (10%) opacity.

(j) The opacity of particulate emissions from dust handling equipment shall not exceed ten percent (10%).

(k) Any facility or operation not specified in 326 IAC 6.8-10-3 shall meet a twenty percent (20%), three (3) minute average opacity standard.

The Permittee shall achieve these limits by controlling fugitive particulate matter emissions according to the Fugitive Dust Control Plan, submitted on August 4, 2003 or an updated plan.

C.5 Stack Height [326 IAC 1-7]

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

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

(a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all facility components, then the notification requirements of 326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.

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

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

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

(A) Asbestos removal or demolition start date;

(B) Removal or demolition contractor; or

(C) Waste disposal site.

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

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

All required notifications shall be submitted to:

Indiana Department of Environmental Management
Asbestos Section, Office of Air Quality
100 North Senate Avenue
MC 61-52 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.7 Performance Testing [326 IAC 3-6]

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

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

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

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

(b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ if the Permittee submits to IDEM, OAQ a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

Compliance Requirements [326 IAC 2-1.1-11]

C.8 Compliance Requirements [326 IAC 2-1.1-11]

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

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

C.9 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 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.10 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]

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

C.11 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.12 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 on August 22, 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.13 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.14 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.15 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) In accordance with the compliance schedule specified in 326 IAC 2-6-3(b)(1), the Permittee shall submit by July 1 an emission statement covering the previous calendar year as follows:

(1) starting in 2007 and every three (3) years thereafter, and

(2) any year not already required under (1) if the source emits volatile organic compounds or oxides of nitrogen into the ambient air at levels equal to or greater than twenty-five (25) tons during the previous calendar year.

(b) 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).

(c) 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.16 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6]

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

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

C.17 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11]

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

(c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or

before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

(d) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(e) 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.

Stratospheric Ozone Protection

C.18 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

Emissions Unit Description:

Raw material handling and storage, consisting of the following equipment:

(a) One (1) pneumatic rail car unloading facility, constructed in 1977, with a maximum throughput of 24,000 pounds per hour, used for limestone, hydrocal, and mica, with particulate matter emissions controlled by each individual baghouse identified as JBH-11, JBH-12 and JBH-13, and exhausting through each respective stack identified as J-11, J-12 and J-13 respectively.

(b) One (1) pneumatic truck unloading facility, constructed in 1977, with a maximum throughput of 22,000 pounds per hour, used for perlite, with particulate matter emissions controlled by one (1) baghouse, identified as JBH-16, and exhausting through one (1) stack, identified as J-16.

(c) One (1) limestone storage silo, constructed in 1977, with a maximum capacity of 330 tons, with particulate matter emissions controlled by one (1) baghouse, identified as JBH-11, and exhausting through one (1) stack, identified as J-11.

(d) One (1) hydrocal storage silo, constructed in 1977, with a maximum capacity of 140 tons, with particulate matter emissions controlled by one (1) baghouse, identified as JBH-12, and exhausting through one (1) stack, identified as J-12.

(e) One (1) mica storage silo, constructed in 1977, with a maximum capacity of 60 tons, with particulate matter emissions controlled by one (1) baghouse, identified as JBH-13, and exhausting through one (1) stack, identified as J-13.

(f) One (1) perlite storage silo, constructed in 1977, with a maximum capacity of 250 tons, with particulate matter emissions controlled by one (1) baghouse, identified as JBH-16, and exhausting through one (1) stack, identified as J-16.

(g) One (1) enclosed rock shed, constructed in 1929, with a maximum capacity of 125,000 tons.

(h) One (1) waste board material stockpile, permitted in 1988, identified as F-1, with particulate matter emissions exhausting directly to the atmosphere.

(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 PM/PM10 Emissions Prevention of Significant Deterioration (PSD) Minor Limits [326 IAC 2-2]

The Permittee shall comply with the following limits:

Emission Units	PM/PM10 Limits (lbs/hr)
Limestone Railcar Pneumatic Conveying and Storage & pneumatic conveying from bulk storage silos	0.66
Hydrocal Railcar Pneumatic Conveying and Storage	0.66
Mica Railcar Pneumatic Conveying and Storage & pneumatic conveying from bulk storage silos	0.66
Perlite Truck Pneumatic Conveying and Storage	0.22

Compliance with these limits in conjunction with the PSD minor limits for PM/PM10 in the other SECTION Ds shall render the requirements of 326 IAC 2-2, not applicable with respect to PM/PM10 emissions.

D.1.2 PM2.5 Nonattainment Major New Source Review (NSR) Minor Limits [326 IAC 2-1.1-5]

The Permittee shall comply with the following limits:

Emission Units	PM2.5 Limits (lbs/hr)
Limestone Railcar Pneumatic Conveying and Storage & pneumatic conveying from bulk storage silos	0.24
Hydrocal Railcar Pneumatic Conveying and Storage	0.24
Mica Railcar Pneumatic Conveying and Storage & pneumatic conveying from bulk storage silos	0.24
Perlite Truck Pneumatic Conveying and Storage	0.08

Compliance with these limits in conjunction with the nonattainment major New Source Review (NSR) minor limits for PM2.5 in the other SECTION Ds shall render the requirements of nonattainment major NSR, 326 IAC 2-1.1-5, not applicable with respect to PM2.5 emissions.

D.1.3 PM10 Emission Limitations for Lake County [326 IAC 6.8-2-37]

Pursuant to 326 IAC 6.8-2-37, the PM10 emissions from each stack J11, J12 and J13 serving the raw material conveying and storage shall be limited to 0.015 grain per dry standard cubic foot (gr/dscf) and 0.190 pound per hour (lb/hr).

D.1.4 Particulate Emission Less Than Ten Microns (PM10) Limitations [326 IAC 6.8-10-3]

(a) Pursuant to 326 IAC 6.8-10-3(7)(A), the PM10 emissions from pneumatic truck unloading and storage controlled by baghouse JBH-16 shall not exceed twenty-two thousandths (0.022) grain per dry standard cubic foot (gr/dscf).

(b) Pursuant to 326 IAC 6.8-10-3(7)(A), the opacity from baghouse JBH-16 associated with the pneumatic truck unloading and storage shall not exceed 10%. Compliance with this opacity limit shall be determined using EPA Method 9.

D.1.5 Particulate Emission Limitations [326 IAC 6.8-1-2]

Pursuant to 326 IAC 6.8-1-2, the particulate emissions from one (1) pneumatic truck unloading facility and one (1) perlite storage silo exhausting to stack J-16 shall not exceed 0.03 gr/dscf.

D.1.6 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

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

Compliance Determination Requirements

D.1.7 Continuous Compliance Plan [326 IAC 6.8-8]

(a) Pursuant to 326 IAC 6.8-8-1, the Permittee shall operate all emission units at the plant including the emissions units subject to 326 IAC 6.8-2-37 in accordance with the Continuous Compliance Plan (CCP). The Permitee shall submit the Continuous Compliance Plan (CCP) to IDEM within thirty (30) days of the issuance of this Part 70 Operating Permit Renewal 089-17794-00333 and maintain at the source a copy of this CCP. The CCP shall include the recording, inspection and maintenance in accordance with the information in 326 IAC 6.8-8-7 or applicable procedures in the CCP.

(b) Pursuant to 326 IAC 6.8-8-8, the Permittee shall update the CCP, as needed, retain a copy any changes and updates to the CCP at the source and make the updated CCP available for inspection by the department. The Permittee shall submit the updated CCP to IDEM, OAQ, Compliance Branch within thirty (30) days of the update.

(c) Pursuant to 326 IAC 6.8, failure to submit a CCP, maintain all information required by the CCP at the source, or submit an update of the CCP is a violation of 326 IAC 6.8.

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

D.1.8 Visible Emissions Notations

(a) Visible emission notations of the raw material handling and storage system baghouses stack exhaust (J11, J12, J13 and J16) shall be performed once per day during normal daylight raw material bin filling operations. A trained employee shall record whether emissions are normal or abnormal.

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

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

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

(e) 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.1.9 Broken or Failed Bag Detection [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

(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.

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

D.1.10 Record Keeping Requirements

(a) To document compliance with Condition D.1.8, the Permittee shall maintain records of visible emission notations of the stack exhausts J11, J12, J13 and J16 once per day. 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).

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

SECTION D.2 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

A landplaster production process, consisting of the following equipment:

(a) One (1) dryer mill bin #1, constructed in 1988, with a maximum capacity of 60 tons and a throughput of 35 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as MBH-8, exhausting and exhausting through one (1) stack, identified as M-8.

(b) One (1) dryer mill bin #2, constructed in 1999, with a maximum capacity of 60 tons and a throughput of 35 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as MBH-12, exhausting and exhausting through one (1) stack, identified as M-12.

(c) One (1) dryer mill #1, constructed in 1988, with a maximum throughput of 35 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as MBH-8, and exhausting through one (1) stack, identified as M-8.

(d) One (1) natural gas-fired burner for the dryer mill #1, constructed in 1988, with a heat input capacity of 20 MMBtu per hour, and exhausting through one (1) stack, identified as M-8.

(e) One (1) screening station #1, constructed in 1988, with a maximum throughput of 35 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as MBH-8, and exhausting through one (1) stack, identified as M-8.

(f) One (1) dryer mill #2, constructed in 1988, with a maximum throughput of 35 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as MBH-12, and exhausting through one (1) stack, identified as M-12.

(g) One (1) natural gas-fired burner for the dryer mill #2, constructed in 1988, with a heat input capacity of 20 MMBtu per hour, and exhausting through one (1) stack, identified as M-12.

(h) One (1) mill HRA landplaster bin, constructed in 1999, with a maximum capacity of 20 tons, with particulate matter controlled by one (1) baghouse, identified as MBH-19, and exhausting through one (1) stack, identified as M-19.

(i) One (1) paper waste reclamation unit, constructed in 2007, with a maximum capacity of 5.0 tons per hour, with particulate emissions controlled by one (1) cyclone and one (1) baghouse dust collector, identified as DC WR-3, exhausting through one (1) stack, identified as WR-3.

(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.2.1 PM/PM10 Emissions Prevention of Significant Deterioration (PSD) Minor Limits [326 IAC 2-2]

The Permittee shall comply with the following limits:

Emission Units	PM/PM10 Emission Limits (lbs/hr)
Dryer Mill #1 Process & screening station #1	9.61
Dryer Mill #2 Process	9.61
Mill HRA Landplaster bin	0.22
Paper Waste Reclamation	1.57

Compliance with these limits in conjunction with the PSD minor limits for PM/PM10 in the other SECTION Ds shall render the requirements of 326 IAC 2-2, not applicable with respect to PM/PM10 emissions.

D.2.2 PM2.5 Nonattainment Major New Source Review (NSR) Minor Limits [326 IAC 2-1.1-5]

The Permittee shall comply with the following limits:

Emission Units	PM2.5 Emission Limits (lbs/hr)
Dryer Mill #1 Process & screening station #1	3.50
Dryer Mill #2 Process	3.50
Mill HRA Landplaster bin	0.08
Paper Waste Reclamation	0.57

Compliance with these limits in conjunction with the nonattainment major New Source Review (NSR) minor limits for PM2.5 in the other SECTION Ds shall render the requirements of nonattainment major NSR, 326 IAC 2-1.1-5, not applicable with respect to PM2.5 emissions.

D.2.3 Particulate Emission Limitations [326 IAC 6.8-1-2]

Pursuant to 326 IAC 6.8-1-2, the particulate emissions from each stack for the following emission units; dryer mill #1, exhausting to stack M-8, dryer mill #2, exhausting to stack M-12, one (1) mill HRA landplaster bin, exhausting to stack M-19 and one (1) paper waste reclamation unit, exhausting to stack WR-3 shall not exceed 0.03 gr/dscf.

D.2.4 Particulate Emission Less Than Ten Microns (PM10) Limitations [326 IAC 6.8-10-3]

(a) Pursuant to 326 IAC 6.8-10-3(7)(A), the PM10 emissions from dryer mill #1 process and screening station #1, controlled by baghouse MBH-8 and dryer mill #2 process controlled by baghouse MBH-12 each shall not exceed twenty-two thousandths (0.022) grain per dry standard cubic foot (gr/dscf).

(b) Pursuant to 326 IAC 6.8-10-3(7)(A), the opacity from baghouses MBH-8 and MBH-12 associated with the dryer mill #1 process and screening station #1 and dryer mill #2 process each shall not exceed 10%. Compliance with this opacity limit shall be determined using EPA Method 9.

D.2.5 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 this facility and any control devices.

Compliance Determination Requirements

D.2.6 Particulate Control

The baghouses for particulate control shall be in operation at all times the dryer mill #1 process & screening station #1, dryer mill #2 process, mill HRA landplaster bin and paper waste reclamation system are in operation.

D.2.7 Continuous Compliance Plan [326 IAC 6.8-8]

(a) Pursuant to 326 IAC 6.8-8-1, the Permittee shall operate all emission units at the plant including the emissions units subject to 326 IAC 6.8-2-37 in accordance with the Continuous Compliance Plan (CCP). The Permitee shall submit the Continuous Compliance Plan (CCP) to IDEM within thirty (30) days of the issuance of this Part 70 Operating Permit Renewal 089-17794-00333 and maintain at the source a copy of this CCP. The CCP shall include the recording, inspection and maintenance in accordance with the information in 326 IAC 6.8-8-7 or applicable procedures in the CCP.

(b) Pursuant to 326 IAC 6.8-8-8, the Permittee shall update the CCP, as needed, retain a copy of any changes and updates to the CCP at the source and make the updated CCP available for inspection by the department. The Permittee shall submit the updated CCP to IDEM, OAQ, Compliance Branch within thirty (30) days of the update.

(c) Pursuant to 326 IAC 6.8, failure to submit a CCP, maintain all information required by the CCP at the source, or submit an update of the CCP is a violation of 326 IAC 6.8.

D.2.8 Testing Requirements [326 IAC 2-7-6(1), (6)]

(a) No later than 180 days after the issuance of this Part 70 Operating Permit Renewal No. 089-17794-00333, in order to demonstrate compliance with Conditions D.2.1, D.2.3 and D.2.4 the Permittee shall perform PM testing on one (1) representative of the dryer mills (dryer mill #1 process & screening station #1, controlled by baghouse MBH-8 and dryer mill #2 process, controlled by baghouse MBH-12, utilizing methods as approved by the Commissioner.

(b) In order to demonstrate compliance with Conditions D.2.2 and D.2.3, the Permittee shall perform PM 2.5 and PM10 testing on one (1) representative of the dryer mills (dryer mill #1 process& screening station #1, controlled by baghouse MBH-8 and dryer mill #2 process, controlled by baghouse MBH-12 within 180 days of publication of the new or revised condensable PM test method(s) referenced in the U. S. EPA's Final Rule for Implementation of the New Source Review (NSR) Program for Particulate Matter Less Than 2.5 Micrometers (PM2.5), signed on May 8th, 2008. This testing shall be conducted utilizing methods as approved by the Commissioner.

The PM, PM10 and PM2.5 testing shall be repeated once every five (5) years from the date of the most recent valid compliance demonstration. Testing of the dryer mills, shall be conducted such that every five years each of the dryer mills is alternately tested.

Testing shall be conducted in accordance with Section C - Performance Testing. PM10 and PM2.5 includes filterable and condensable PM.

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

D.2.9 Baghouse Parametric Monitoring

The Permittee shall record the pressure drop across the baghouses used in conjunction with dryer mill #1 process & screening station #1, dryer mill #2 process, mill HRA landplaster bin and paper waste reclamation system, at least once per day when the process is in operation. When for any one reading, the pressure drop across each baghouse is outside the normal range of 2.0 and 8.0 inches of water (MBH-8 and MBH-12) and 0.5 and 6.0 inches of water (MBH-19 and DC WR-3) 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.

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 annually.

D.2.10 Compliance Assurance Monitoring (CAM) [40 CFR Part 64]

Pursuant to 40 CFR Part 64, the Permittee shall comply with the following Compliance Assurance Monitoring requirements for the baghouses controlling the dryer mill #1 process & screening station #1, dryer mill #2 process, and paper waste reclamation:

(A) Monitoring Approach

PARAMETER	INDICATOR NO. 1	INDICATOR NO. 2	INDICATOR NO. 3	INDICATOR NO. 4
I. Indicator	PM Concentration	Pressure Differential	Opacity	Bag Condition
Measurement Approach	U.S. EPA Method 5, for PM, U.S. EPA Methods 201 A, for PM10 filterable and 202, for PM10 condensable or other Methods approved by the Commissioner – for each baghouse	Monitor pressure differential across the baghouses once per day	Method 9 visual observations during stack test. Daily visible emission notations.	Visual inspection.
II. Indicator Range	Baghouses PM and PM10 emission limits in grain/dscf and pounds per hour	Baghouses pressure drop ranges	An excursion is defined as an opacity measurement exceeding 10% on a 6-minute average. Normal or abnormal.	An excursion is defined as failure to perform the quarterly inspection.
III. Performance Criteria				
A. Data Representativeness	U.S. EPA Method 5, for PM or other Methods approved by the Commissioner	Stack test using U.S. EPA Methods or other Methods approved by the Commissioner	Procedures addressed in Method 9 Daily visible emission notations.	Baghouse inspected visually for bag leaks.
B. Verification of Operational Status	Fans amps and damper position.	Fans amps and damper position.	NA	NA
C. QA/QC Practices and Criteria	U.S. EPA Method 5, for PM or other Methods approved by the Commissioner	Stack test using U.S. EPA Methods or other Methods approved by the Commissioner	Use of a certified visible emission observer.	Trained personnel perform inspections and maintenance.

PARAMETER	INDICATOR NO. 1	INDICATOR NO. 2	INDICATOR NO. 3	INDICATOR NO. 4
D. Monitoring Frequency	Once every 5 years.	Once per day pressure drop reading	Once every 5 years for Method 9 Once daily for visible emission notations (when the emission unit is operating).	Quarterly
IV. Data Collection Procedures	U.S. EPA Method 5, for PM or other Methods approved by the Commissioner	Stack test using U.S. EPA Methods or other Methods approved by the Commissioner	Daily visible emissions notations are recorded on V.E. Form.	Results of inspections and maintenance activities performed are recorded in baghouse maintenance log.
Averaging Period	Average of 3 test runs each 1 hour long	Average of 3 test runs each 1 hour long	Six-minute average during stack test	NA
E. Record Keeping	Maintain for a period of 5 years the results of the tests	Maintain for a period of 5 years the pressure drop readings	Maintain for a period of 5 years the daily visible emissions notations	Maintain for a period of 5 years the results of the baghouses inspections and maintenance
F. Reporting	-	Number, duration, cause of any excursions or exceedances and the corrective actions taken	Number, duration, cause of any excursions or exceedances and the corrective actions taken	-
Frequency	-	Quarterly	Quarterly	-

D.2.11 Visible Emissions Notations

(a) Visible emission notations of the dryer mill #1 process & screening station #1, dryer mill #2 process, mill HRA landplaster bin and paper waste reclamation system baghouses stack exhaust (M-8, M-12, M-19 and WR-3) shall be performed once per day during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.

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

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

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

(e) 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.2.12 Broken or Failed Bag Detection [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

(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.

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

D.2.13 Record Keeping Requirement

(a) To document compliance with Condition D.2.11, the Permittee shall maintain records of visible emission notations of the stack exhausts M-8, M-12, M-19 and WR-3 once per day. 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).

(b) To document compliance with Condition D.2.9, the Permittee shall maintain once per day records of the pressure drop during normal operation and the reason for the lack of pressure drop notation (e.g. the process did not operate that day).

(c) To document compliance with Condition D.2.10, the Permittee shall maintain records of baghouse inspections. These records shall include as a minimum, dates, initials of the person performing the inspections, results, and corrective actions taken in response to excursions as required by the CAM for the baghouses controlling the dryer mill #1 process & screening station #1, dryer mill #2 process and paper waste reclamation (if any are required).

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

SECTION D.3 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

A stucco production process, consisting of the following equipment:

(a) Two (2) kettle feed bins, known as kettle feed bin #1 and kettle feed bin #2, constructed in 1929, each with a maximum capacity of 60 tons, with particulate matter emissions controlled by two (2) baghouses. Emissions from kettle feed bin #1 will be controlled by one (1) baghouse, known as MBH-25, and exhausting through one (1) stack, identified as M-25. Emissions from kettle feed bin #2 will be controlled by one (1) baghouse, known as MBH-27 and exhausting through one (1) stack, identified as M-27.

(b) One (1) calcining kettle, known as calcining kettle #1A, constructed in 2007, with a maximum throughput of 11.5 tons per hour, with particulate emissions controlled by one (1) baghouse, identified as MBH-22, and exhausting through one (1) stack, identified as M-22A.

(c) One (1) calcining kettle, known as calcining kettle #1B, constructed in 2006, with a maximum throughput of 12.0 tons per hour, with particulate emissions controlled by one (1) baghouse, identified as MBH-22, and exhausting through one (1) stack, identified as M-22B.

(d) One (1) calcining kettle, known as calcining kettle #2, constructed in 1998, with a maximum throughput of 45 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as MBH-16, and exhausting through one (1) stack, identified as M-16.

(e) One (1) natural gas-fired burner for calcining kettle #1A, constructed in 2006, with a heat input capacity of 7.5 MMBtu per hour, and exhausting through one (1) stack, identified as M-22A.

(f) One (1) natural gas-fired burner for calcining kettle #1B, constructed in 2007, with a heat input capacity of 7.5 million British thermal units per hour, and exhausting through one (1) stack, identified as M-22B.

(g) Six (6) natural gas-fired burners for the calcining kettle #2, constructed in 1998, each with a heat input capacity of 5 MMBtu per hour, and exhausting through one (1) stack, identified as M-14.

(h) One (1) kettle feed bin, known as kettle feed bin #3, constructed in 1929, with a maximum capacity of 60 tons, with particulate matter emissions controlled by one (1) baghouse, identified as MBH-28, and exhausting through one (1) stack, identified as M-28.

(i) One (1) calcining kettle, known as calcining kettle #3, constructed in 1929, with a maximum throughput of 30 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as MBH-1, and exhausting through one (1) stack, identified as M-1.

(j) One (1) natural-gas fired burner for the calcining kettle #3, constructed in 1929, with a heat input capacity of 15 MMBtu per hour, and exhausting through one (1) stack, identified as M-6.

(k) One (1) hot pit, known as hot pit #3, constructed in 1929, with a maximum throughput of 30 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as MBH-3, and exhausting through one (1) stack, identified as M-1.

(l) Miscellaneous stucco handling equipment, constructed in 1998, including one (1) #4 stucco elevator, one (1) #17 screw, and one (1) #17A screw, with a maximum throughput of 70 tons per hour, with particulate matter emissions controlled by partial or total enclosure, and exhausting to associated processes or directly to the atmosphere. Some portions of the

stucco handling system are controlled by one (1) baghouse, identified as MBH-2, and exhausting through one (1) stack, identified as M-2.

(m) Stucco storage equipment, including one (1) #49 screw, and one (1) #47 screw, constructed in 1929, with a maximum capacity of seventy (70) tons per hour, and three stucco storage bins, known as #1, #2 and #3, each with a capacity of 175 tons, with particulate emissions controlled by one (1) baghouse, identified as MBH-24, and exhausting through one (1) stack, identified as M-23.

(n) Stucco storage equipment, including one (1) #1 elevator and one (1) #27 screw, constructed in 1929, with a maximum capacity of seventy (70) tons per hour, and three (3) stucco storage bins, known as #4, #5 and #6, each with a capacity of 175 tons, with particulate emissions controlled by one (1) baghouse, identified as MBH-23, and exhausting through one (1) stack, identified as M-23.

(o) One (1) stucco storage bin, constructed in 1999, with a maximum capacity of 50 tons, with particulate matter controlled by one (1) baghouse, identified as MBH-2, and exhausting through one (1) stack, identified as M-2.

(p) A conveying system, constructed in 1988, consisting of belt and screw conveyors, with particulate matter emissions controlled by partial or total enclosure, and exhausting to associated processes or directly to the atmosphere. Some portions of the conveyor system are controlled by one (1) baghouse, identified as MBH-2, and exhausting through one (1) stack, identified as M-2.

(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.3.1 PM/PM10 Emissions Prevention of Significant Deterioration (PSD) Minor Limits [326 IAC 2-2]

The Permittee shall comply with the following limits:

Emission Units	PM/PM10 Emission Limits
Kettle feed bin #1	0.22
Kettle feed bin #2	1.31
Kettle feed bin #3	1.31
Calcining kettle #1A & #1B	0.88
Calcining kettle #2	2.62
Calcining kettle #3	3.93
Kettle #3 Hot pit	1.31
Storage Screw Conveyors #47 & #49, & stucco storage bins #1, #2 and #3	0.65
Stucco Handling #17 &#17A screw conveyors, belt conveyors & stucco storage bin	2.92
Elevator #1 screw conveyor #27, & stucco storage bins #4, #5 and #6	1.44

Compliance with these limits in conjunction with the PSD minor limits for PM/PM10 in the other SECTION Ds shall render the requirements of 326 IAC 2-2, not applicable with respect to PM/PM10 emissions.

D.3.2 PM2.5 Nonattainment Major New Source Review (NSR) Minor Limits [326 IAC 2-1.1-5]

The Permittee shall comply with the following limits:

Emission Units	PM2.5 Emission Limits (lb/hr)
Kettle feed bin #1	0.08
Kettle feed bin #2	0.48
Kettle feed bin #3	0.48
Calcining kettle #1A & #1B	0.32
Calcining kettle #2	0.95
Calcining kettle #3	1.43
Kettle #3 Hot pit	0.48
Storage Screw Conveyors #47 & #49, & stucco storage bins #1, #2 and #3	0.24
Stucco Handling-#17 & #17A screw conveyors, belt conveyors & stucco storage bin	1.07
Elevator #1 screw conveyor #27, & stucco storage bins #4, #5 and #6	0.53

Compliance with these limits in conjunction with the nonattainment major New Source Review (NSR) limits for PM2.5 in the other SECTION Ds shall render the requirements of nonattainment major NSR, 326 IAC 2-1.1-5, not applicable with respect to PM2.5 emissions.

D.3.3 PM10 Emission Limitations for Lake County [326 IAC 6.8-2-37]

Pursuant to 326 IAC 6.8-2-37,

(a) the PM10 emissions from stack M-1 serving baghouse MBH-1 controlling calcining kettle #3 and baghouse MBH-3 controlling hot pit #3 shall be limited to 0.012 grain per dry standard cubic foot (gr/dscf) and 3.210 pounds per hour (lb/hr).

(b) the PM10 emissions from stack M-2 serving baghouse MBH-2 controlling one (1) stucco storage bin and conveying system shall be limited to 0.015 grain per dry standard cubic foot (gr/dscf) and 2.210 pounds per hour (lb/hr).

D.3.4 Particulate Emission Less Than Ten Microns (PM10) Limitations [326 IAC 6.8-10-3]

(a) Pursuant to 326 IAC 6.8-10-3(7)(A), the PM10 emissions from the following material processing facilities shall each not exceed twenty-two thousandths (0.022) grain per dry standard cubic foot (gr/dscf):

Material Processing Facility	Control ID
Kettle feed bin #1	Baghouse MBH-25 (stack M-25)
Kettle feed bin #2	Baghouse MBH-27 (stack M-27)
Calcining kettles #1A and #1B	Baghouse MBH-22 (stack M-22A and stack M-22B respectively)
Calcining kettle #2	Baghouse MBH-16 (stack M-16)
Kettle feed bin #3	Baghouse MBH-28 (stack M-28)
Stucco storage equipment (#49 screw, #47 screw and three stucco storage bins, #1, #2 and #3),	Baghouse MBH-24 (stack M-23)

Material Processing Facility	Control ID
Stucco storage equipment (#1 elevator, #27 screw, and three (3) stucco storage bins, as #4, #5 and #6)	Baghouse MBH-23 (stack M-23)

(b) Pursuant to 326 IAC 6.8-10-3(7)(A), opacity from each of the control devices controlling the above material processing facilities shall not exceed 10%. Compliance with this opacity limit shall be determined using EPA Method 9.

D.3.5 Particulate Emission Limitations [326 IAC 6.8-1-2]

Pursuant to 326 IAC 6.8-1-2, the particulate emissions from each stack for the following emission units; kettle feed bin #1, exhausting to stack M-25, kettle feed bin #2, exhausting to stack M-27, calcining kettles #1A and #1B, exhausting to stack M-22A, calcining kettle #2, exhausting to stack M-16 and kettle feed bin #3, exhausting to stack M-28 shall not exceed 0.03 gr/dscf.

D.3.6 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

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

Compliance Determination Requirements

D.3.7 Particulate Control

The baghouses for particulate control shall be in operation at all times the emission units involved in the stucco production are in operation.

D.3.8 Continuous Compliance Plan [326 IAC 6.8-8]

(a) Pursuant to 326 IAC 6.8-8-1, the Permittee shall operate all emission units at the plant including the emissions units subject to 326 IAC 6.8-2-37 in accordance with the Continuous Compliance Plan (CCP). The Permitee shall submit the Continuous Compliance Plan (CCP) to IDEM within thirty (30) days of the issuance of this Part 70 Operating Permit Renewal 089-17794-00333 and maintain at the source a copy of this CCP. The CCP shall include the recording, inspection and maintenance in accordance with the information in 326 IAC 6.8-8-7 or applicable procedures in the CCP.

(b) Pursuant to 326 IAC 6.8-8-8, the Permittee shall update the CCP, as needed, retain a copy of any changes and updates to the CCP at the source and make the updated CCP available for inspection by the department. The Permittee shall submit the updated CCP to IDEM, OAQ, Compliance Branch within thirty (30) days of the update.

(c) Pursuant to 326 IAC 6.8, failure to submit a CCP, maintain all information required by the CCP at the source, or submit an update of the CCP is a violation of 326 IAC 6.8.

D.3.9 Testing Requirements [326 IAC 2-7-6(1), (6)]

(a) In order to demonstrate compliance with Conditions D.3.1 and D.3.5, the Permittee shall perform PM testing as follows on the emission units utilizing methods as approved by the Commissioner:

(1) One (1) representative of the calcining kettles (calcining kettle #1A and #1B controlled by one baghouse MBH-22, calcining kettle #2 controlled by baghouse MBH-16 and calcining kettle #3 controlled by baghouse MBH-1) - Five (5) years from the most recent demonstration of compliance done on November 5, 2004 for the calcining kettle #1B.

(b) In order to demonstrate compliance with Conditions D.3.1, D.3.2, D.3.3 and D.3.4, the Permittee shall perform PM 2.5 and PM10 testing within 180 days of publication of the new or revised condensable PM test method(s) referenced in the U. S. EPA's Final Rule for Implementation of the New Source Review (NSR) Program for Particulate Matter Less Than 2.5 Micrometers (PM2.5), signed on May 8th, 2008. This testing shall be conducted for the following emission units utilizing methods as approved by the Commissioner:

(1) One (1) representative of the calcining kettles (calcining kettle #1A and #1B controlled by one baghouse MBH-22, calcining kettle #2 controlled by baghouse MBH-16 and calcining kettle #3 controlled by baghouse MBH-1).

The PM, PM10 and PM2.5 testing shall be repeated once every five (5) years from the date of the most recent valid compliance demonstration. Testing of the calcining kettles shall be conducted such that every five years each of these kettle feed bins and calcining kettles is alternately tested. Testing shall be conducted in accordance with Section C - Performance Testing. PM10 and PM2.5 includes filterable and condensable PM.

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

D.3.10 Baghouse Parametric Monitoring

The Permittee shall record the pressure drop across the baghouses used in conjunction with kettle feed bins #2, #3, calcining kettles #1A, #1B, #2, #3, kettle 3 hot pit, stucco handling-#17 & #17A screw conveyors, belt conveyors & stucco storage bin, elevator #1 screw conveyor #27, & stucco storage bins #4, #5 and #6, at least once per day when the process is in operation. When for any one reading, the pressure drop across each baghouse is outside the normal range of 0.5 and 6.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C - 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.

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 annually.

D.3.11 Compliance Assurance Monitoring (CAM) [40 CFR Part 64]

Pursuant to 40 CFR Part 64, the Permittee shall comply with the following Compliance Assurance Monitoring requirements for the baghouses controlling the kettle feed bin #2, kettle feed bin #3, calcining kettle #1A & #1B, calcining kettle #2, calcining kettle #3, kettle #3 hot pit, belt and screw conveying system, stucco screw conveyor #17 & 17A and stucco storage bin:

(A) Monitoring Approach

PARAMETER	INDICATOR NO. 1	INDICATOR NO. 2	INDICATOR NO. 3	INDICATOR NO. 4
II. Indicator	PM Concentration	Pressure Differential	Opacity	Bag Condition
Measurement Approach	U.S. EPA Method 5, for PM, U.S. EPA Methods 201 A, for PM10 filterable and 202, for PM10 condensable or other Methods approved by the Commissioner – for each baghouse	Monitor pressure differential across the baghouses once per day	Method 9 visual observations during stack test. Daily visible emission notations.	Visual inspection.
II. Indicator Range	Baghouses PM and PM10 emission limits in grain/dscf and pounds per hour	Baghouses pressure drop ranges	An excursion is defined as an opacity measurement exceeding 10% on a 6-minute average. Normal or abnormal.	An excursion is defined as failure to perform the quarterly inspection.
III. Performance Criteria				
A. Data Representativeness	U.S. EPA Method 5, for PM or other Methods approved by the Commissioner	Stack test using U.S. EPA Methods or other Methods approved by the Commissioner	Procedures addressed in Method 9 Daily visible emission notations.	Baghouse inspected visually for bag leaks.
B. Verification of Operational Status	Fans amps and damper position.	Fans amps and damper position.	NA	NA
C. QA/QC Practices and Criteria	U.S. EPA Method 5, for PM or other Methods approved by the Commissioner	Stack test using U.S. EPA Methods or other Methods approved by the Commissioner	Use of a certified visible emission observer.	Trained personnel perform inspections and maintenance.
D. Monitoring Frequency	Once every 5 years.	Once per day pressure drop reading	Once every 5 years for Method 9 Once daily for visible emission notations (when the emission unit is operating).	Quarterly
IV. Data Collection Procedures	U.S. EPA Method 5, for PM or other Methods approved by the Commissioner	Stack test using U.S. EPA Methods or other Methods approved by the Commissioner	Daily visible emissions notations are recorded on V.E. Form.	Results of inspections and maintenance activities performed are recorded in baghouse maintenance log.
Averaging Period	Average of 3 test runs each 1 hour long	Average of 3 test runs each 1 hour long	Six-minute average during stack test	NA
E. Record Keeping	Maintain for a period of 5 years the results of the tests	Maintain for a period of 5 years the pressure drop readings	Maintain for a period of 5 years the daily visible emissions notations	Maintain for a period of 5 years the results of the baghouses inspections and maintenance
F. Reporting	-	Number, duration, cause of any excursions or exceedances and the corrective actions taken	Number, duration, cause of any excursions or exceedances and the corrective actions taken	-
Frequency	-	Quarterly	Quarterly	-

D.3.12 Visible Emissions Notations

(a) Visible emission notations of the kettle feed bins #2, #3, calcining kettles #1A, #1B, #2, #3, kettle 3 hot pit, stucco surge bin loading and conveying, elevator #1 screw conveyor #27, & stucco storage bins #4, #5 and #6 baghouses stack exhaust (M-27, M-28, M-22A, M-22B, M-16, M-1, M-2 and M-23) shall be performed once per day during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.

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

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

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

(e) 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.3.13 Broken or Failed Bag Detection [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

(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.

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

D.3.14 Record Keeping Requirement

(a) To document compliance with Condition D.3.12, the Permittee shall maintain records of visible emission notations of the stack exhausts (M-27, M-28, M-22A, M-22B, M-16, M-1, M-2 and M-23) once per day. 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).

(b) To document compliance with Condition D.3.10, the Permittee shall maintain once per day records of the pressure drop during normal operation and the reason for the lack of pressure drop notation (e.g. the process did not operate that day).

(c) To document compliance with Condition D.3.11, the Permittee shall maintain records of baghouse inspections. These records shall include as a minimum, dates, initials of the person performing the inspections, results, and corrective actions taken in response to excursions as required by the CAM for the baghouses controlling the kettle feed bin #2, kettle feed bin #3, calcining kettle #1A & #1B, calcining kettle #2, calcining kettle #3, kettle #3 hot pit, stucco handling-#17 & #17A screw conveyors, belt conveyors & stucco storage bin (if any are required).

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

SECTION D.4 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

A gypsum wallboard manufacturing line, consisting of the following equipment:

(a) One (1) stucco storage bin, constructed in 1999, with a maximum capacity of 1200 tons, with particulate matter controlled by one (1) bin vent, identified as BBH-11, and exhausting through one (1) stack, identified as B-11.

(b) One (1) stucco surge bin with hopper, constructed in 1999, with a maximum capacity of 2 tons, with particulate matter controlled by one (1) baghouse, identified as BBH-13, and exhausting through one (1) stack, identified as B-13.

(c) One (1) (HRA) landplaster feed bin, constructed in 1999, with a maximum capacity of 20 tons, with particulate matter emissions controlled by one (1) bin vent, identified as BBH-12, and exhausting inside the building through one (1) stack, identified as B-12.

(d) One (1) HRA mill additive bin (sugar), constructed in 1999, with a maximum capacity of 10 cubic feet, feeding the HRA ball mill, with particulate matter emissions uncontrolled, and exhausting inside the building.

(e) One (1) HRA ball mill, constructed in 1999, with a maximum throughput of 2400 pounds per hour, with particulate matter controlled by one (1) baghouse, identified as BBH-18, and exhausting inside the building through one (1) stack, identified as B-18.

(f) One (1) HRA bin, constructed in 1999, with a maximum capacity of 3 tons, with particulate matter controlled by one (1) baghouse, identified as BBH-13, and exhausting through one (1) stack, identified as B-13.

(g) One (1) additive refill bin (starch), constructed in 1999, with a maximum capacity of 3 tons, with particulate matter controlled by one (1) baghouse, identified as BBH-16 (used interchangeably with bin BBH-16A), and exhausting inside the building through one (1) stack, identified as B-16.

(h) One (1) additive refill receiver (kaolinite), controlled by one (1) vacuum receiver, identified as BVH-17, constructed in 1999, and exhausting inside the building through one (1) stack, identified as B-17.

(i) Two (2) additive bulk storage bins (starch and kaolinite), constructed in 1999, each with a maximum capacity of 75 tons, with particulate matter emissions controlled by two (2) separate baghouses, identified as BBH-14 (starch) and BBH-15 (kaolinite), and all exhausting to two (2) respective stacks, identified as B-14 and B-15.

(j) One (1) additive surge bin (kaolinite), constructed in 1999, with a maximum capacity of 5 tons, with particulate matter controlled by one (1) baghouse, identified as BBH-17, and exhausting through one (1) stack, identified as B-17.

(k) One (1) glass fiber additive bin, constructed in 1999, with a maximum capacity of six (6) cubic feet, with particulate matter emissions uncontrolled, and exhausting inside the building.

(l) One (1) paper fiber mill with cyclone separator, constructed in 1999, with a maximum throughput of 900 pounds per hour, with particulate matter emissions controlled by one (1) baghouse, identified as BBH-13, and exhausting through one (1) stack, identified as B-13.

(m) One (1) mixing screw conveyor, constructed in 1999, with a maximum throughput of 60 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as BBH-13, and exhausting through one (1) stack, identified as B-13.

(n) One (1) natural gas-fired gauging water heater, constructed in 1999, with a heat input capacity of 3.5 MMBtu per hour, and exhausting through one (1) stack, identified as B-19.

(o) One (1) wet mixer, constructed in 1999, with particulate matter emissions controlled by one (1) baghouse, identified as BBH-13, and exhausting through one (1) stack, identified as B-13.

(p) One (1) wet zone kiln natural gas-fired burner, constructed in 1999, with a heat input capacity of 67 MMBtu per hour, and exhausting through one (1) stack, identified as B-20.

(q) One (1) dry zone kiln natural gas-fired burner, constructed in 1999, with a heat input capacity of 67 MMBtu per hour, and exhausting through one (1) stack, identified as B-20.

(r) One (1) wet end seal natural gas-fired burner, constructed in 1999, with a heat input capacity of 2.5 MMBtu per hour, and exhausting through one (1) stack, identified as B-20.

(s) One (1) dry end seal natural gas-fired burner, constructed in 1999, with a heat input capacity of 2.5 MMBtu per hour, and exhausting through one (1) stack, identified as B-20.

(t) One (1) wallboard drying kiln, constructed in 1999, with a maximum throughput of 90,000 square feet (1/2 inch equivalent) of wallboard per hour, and exhausting through one (1) main stack, identified as B-20.

(u) One (1) end saw, constructed in 1999, with a maximum throughput of 90,000 square feet (1/2 inch equivalent) of wallboard per hour, with particulate matter emissions controlled by one (1) baghouse, identified as BBH-25, and exhausting through one (1) stack, identified as B-25.

(v) One (1) wallboard shredder, constructed in 1999, with a maximum throughput of 50 tons per hour, with particulate matter controlled by two (2) baghouses, identified as WRBH-1 and WRBH-2, and exhausting through two (2) stacks, identified as WR-1 and WR-2, respectively.

(w) One (1) existing dunnage saw, constructed in 1999, with particulate matter controlled by one (1) baghouse, identified as BBH-25, and exhausting through one (1) stack, identified as B-25.

(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.4.1 PM/PM10 Emissions Prevention of Significant Deterioration (PSD) Minor Limits [326 IAC 2-2]

The Permittee shall comply with the following limits:

Emission Units	PM/PM10 Emission Limits
Stucco storage bin	0.12
Landplaster feed bin	0.23
Stucco surge bin, HRA bin, kaolinite surge bin, paper fiber mill & mixing screw conveyor	1.86
Starch Bulk Storage Bin	0.23
Clay (kaolinite) bin	0.19

Emission Units	PM/PM10 Emission Limits
Starch refill bin	0.14
Clay (kaolinite) feed bin & spare feeder	0.14
HRA ball mill, elevator, feed screw & sugar additive bin	0.29
End Saw & dunnage saw	4.20
Wallboard shredder	1.74

Compliance with these limits in conjunction with the PSD minor limits for PM/PM10 in the other SECTION Ds shall render the requirements of 326 IAC 2-2, not applicable with respect to PM/PM10 emissions.

D.4.2 PM2.5 Nonattainment Major New Source Review (NSR) Minor Limits [326 IAC 2-1.1-5]

The Permittee shall comply with the following limits:

Emission Units	PM2.5 Emission Limits (lb/hr)
Stucco storage bin	0.04
Landplaster feed bin	0.08
Stucco surge bin, HRA bin, kaolinite surge bin, paper fiber mill & mixing screw conveyor	0.69
Starch Bulk Storage Bin	0.08
Clay (kaolinite) bin	0.07
Starch refill bin	0.05
Clay (kaolinite) feed bin & spare feeder	0.05
HRA ball mill, elevator, feed screw & sugar additive bin	0.11
End Saw & dunnage saw	1.53
Wallboard shredder	0.64

Compliance with these limits in conjunction with the nonattainment major New Source Review (NSR) minor limits for PM2.5 in the other SECTION Ds shall render the requirements of nonattainment major NSR, 326 IAC 2-1.1-5, not applicable with respect to PM2.5 emissions.

D.4.3 Particulate Emission Limitations [326 IAC 6.8-1-2]

Pursuant to 326 IAC 6.8-1-2, the particulate emissions from each stack for the following emission units; one (1) stucco surge bin with hopper, exhausting through stack B-13, one (1) HRA ball mill exhausting inside the building through stack, B-18, one (1) additive refill bin (starch), controlled by one (1) baghouse, identified as BBH-16 (used interchangeably with BBH-16A), and exhausting inside the building through stack B-16, two (2) additive bulk storage bins (starch and kaolinite), exhausting to two (2) respective stacks B-14 and B-15; one (1) additive surge bin (kaolinite), one (1) paper fiber mill, one (1) mixing screw conveyor and one (1) wet mixer, with particulate matter controlled by one (1) baghouse, exhausting through stack B-13, one (1) end saw, one cut-back saw, exhausting through stack B-25 one (1) waste reclaim shredder, exhausting through two (2) stacks WR-1 and WR-2 shall not exceed 0.03 gr/dscf.

D.4.4 Particulate Emission Less Than Ten Microns (PM10) Limitations [326 IAC 6.8-10-3]

(a) Pursuant to 326 IAC 6.8-10-3(7)(A), the PM10 emissions from the following material processing facilities shall each not exceed twenty-two thousandths (0.022) grain per dry standard cubic foot (gr/dscf):

Material Processing Facility	Control ID
Stucco storage bin	Bin vent BBH -11 (stack B-11)
Stucco surge bin with hopper, HRA bin, paper fiber mill, mixing screw conveyor and wet mixer,	Baghouse BBH-13 (stack B-13)
HRA landplaster feed bin	Bin vent BBH-12 (stack B-12)
HRA mill additive bin (sugar)	No Control (exhaust inside the building)
HRA ball mill	Baghouse BBH-18 (stack B-18)
Additive refill bin (starch),	Baghouse BBH-16/BBH-16A (stack B-16)
Additive refill receiver (kaolinite),	Vacuum receiver BVH-17 (stack B-17)
Additive bulk storage bin (starch),	Baghouse BBH-14 (stack B-14)
Additive bulk storage bin (kaolinite)	Baghouse BBH-15 (stack B-15)
Additive surge bin (kaolinite),	Baghouse BBH-17(stack B-17)
Glass fiber additive bin	No control (exhaust inside the building)
Wallboard drying kiln	No control (stack B-20)
End saw	Baghouse BBH-25 (stack B-25)
Wallboard shredder	2 Baghouses WRBH-1 (stack WR-1) and WRBH-2 (stack WR-2)
Dunnage saw	Baghouse BBH-25 (stack B-25)

(b) Pursuant to 326 IAC 6.8-10-3(7)(A), opacity from each of the control devices controlling the above material processing facilities shall not exceed 10%. Compliance with this opacity limit shall be determined using EPA Method 9.

D.4.5 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 this facility and any control devices.

Compliance Determination Requirements

D.4.6 Particulate Control

The baghouses for particulate control shall be in operation at all times the emission units involved in the stucco production are in operation.

D.4.7 Continuous Compliance Plan [326 IAC 6.8-8]

(a) Pursuant to 326 IAC 6.8-8-1, the Permittee shall operate all emission units at the plant including the emissions units subject to 326 IAC 6.8-2-37 in accordance with the Continuous Compliance Plan (CCP). The Permitee shall submit the Continuous Compliance Plan (CCP) to IDEM within thirty (30) days of the issuance of this Part 70 Operating Permit Renewal 089-17794-00333 and maintain at the source a copy of this CCP. The CCP shall include the recording, inspection and maintenance in accordance with the information in 326 IAC 6.8-8-7 or applicable procedures in the CCP.

(b) Pursuant to 326 IAC 6.8-8-8, the Permittee shall update the CCP, as needed, retain a copy of any changes and updates to the CCP at the source and make the updated CCP available for inspection by the department. The Permittee shall submit the updated CCP to IDEM, OAQ, Compliance Branch within thirty (30) days of the update.

(c) Pursuant to 326 IAC 6.8, failure to submit a CCP, maintain all information required by the CCP at the source, or submit an update of the CCP is a violation of 326 IAC 6.8.

D.4.8 Testing Requirements [326 IAC 2-7-6(1), (6)]

(a) No later than 180 days after the issuance of this Part 70 Operating Permit Renewal No. 089-17794-00333, in order to demonstrate compliance with Conditions D.4.1 and D.4.3, the Permittee shall perform PM testing on the one (1) stucco surge bin, one (1) HRA bin, one (1) mixing screw conveyor, one (1) wet mixer, and one (1) paper fiber mill, controlled by one (1) baghouse BBH-13 and on one (1) end saw, and one (1) dunnage saw, controlled by baghouse BBH-25, using methods as approved by the Commissioner.

(b) In order to demonstrate compliance with Conditions D.4.1, D.4.2 and D.4.4, the Permittee shall perform PM 2.5 and PM10 testing within 180 days of publication of the new or revised condensable PM test method(s) referenced in the U. S. EPA's Final Rule for Implementation of the New Source Review (NSR) Program for Particulate Matter Less Than 2.5 Micrometers (PM2.5), signed on May 8th, 2008. This testing shall be conducted utilizing methods as approved by the Commissioner:

(1) One (1) stucco surge bin, one (1) HRA bin, one (1) mixing screw conveyor, one (1) wet mixer, and one (1) paper fiber mill controlled by one (1) baghouse BBH-13.

(3) One (1) end saw and one (1) dunnage saw controlled by baghouse BBH-25,

(c) The PM, PM10 and PM2.5 testing shall be repeated once every five (5) years from the date of the most recent valid compliance demonstration. Testing shall be conducted in accordance with Section C - Performance Testing. PM10 and PM2.5 includes filterable and condensable PM.

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

D.4.9 Baghouse Parametric Monitoring

The Permittee shall record the pressure drop across the baghouses used in conjunction with one (1) stucco surge bin, one (1) additive refill bin (starch), two (2) additive bulk storage bins (starch and kaolinite), one (1) additive surge bin (kaolinite), one (1) paper fiber mill, one (1) mixing screw conveyor, one (1) wet mixer, one (1) end saw, one (1) cut-back saw and one (1) waste reclaim shredder at least once per day when the process is in operation. When for any one reading, the pressure drop across each baghouse is outside the normal range of 0.5 and 6.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C - 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.

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 annually.

D.4.10 Compliance Assurance Monitoring (CAM) [40 CFR Part 64]

Pursuant to 40 CFR Part 64, the Permittee shall comply with the following Compliance Assurance Monitoring requirements for the baghouses controlling the one (1) stucco surge bin, HRA bin. kaolinite surge bin, paper fiber mill, mixing screw conveyor and wet mixer, one (1) end saw, one (1) cut-back saw and one (1) waste reclaim shredder:

(A) Monitoring Approach

PARAMETER	INDICATOR NO. 1	INDICATOR NO. 2	INDICATOR NO. 3	INDICATOR NO. 4
III. Indicator	PM Concentration	Pressure Differential	Opacity	Bag Condition
Measurement Approach	U.S. EPA Method 5, for PM, U.S. EPA Methods 201 A, for PM10 filterable and 202, for PM10 condensable or other Methods approved by the Commissioner – for each baghouse	Monitor pressure differential across the baghouses once per day	Method 9 visual observations during stack test. Daily visible emission notations.	Visual inspection.
II. Indicator Range	Baghouses PM and PM10 emission limits in grain/dscf and pounds per hour	Baghouses pressure drop ranges	An excursion is defined as an opacity measurement exceeding 10% on a 6-minute average. Normal or abnormal.	An excursion is defined as failure to perform the quarterly inspection.
III. Performance Criteria				
A. Data Representativeness	U.S. EPA Method 5, for PM or other Methods approved by the Commissioner	Stack test using U.S. EPA Methods or other Methods approved by the Commissioner	Procedures addressed in Method 9 Daily visible emission notations.	Baghouse inspected visually for bag leaks.
B. Verification of Operational Status	Fans amps and damper position.	Fans amps and damper position.	NA	NA
C. QA/QC Practices and Criteria	U.S. EPA Method 5, for PM or other Methods approved by the Commissioner	Stack test using U.S. EPA Methods or other Methods approved by the Commissioner	Use of a certified visible emission observer.	Trained personnel perform inspections and maintenance.
D. Monitoring Frequency	Once every 5 years.	Once per day pressure drop reading	Once every 5 years for Method 9 Once daily for visible emission notations (when the emission unit is operating).	Quarterly
IV. Data Collection Procedures	U.S. EPA Method 5, for PM or other Methods approved by the Commissioner	Stack test using U.S. EPA Methods or other Methods approved by the Commissioner	Daily visible emissions notations are recorded on V.E. Form.	Results of inspections and maintenance activities performed are recorded in baghouse maintenance log.
Averaging Period	Average of 3 test runs each 1 hour long	Average of 3 test runs each 1 hour long	Six-minute average during stack test	NA
E. Record Keeping	Maintain for a period of 5 years the results of the tests	Maintain for a period of 5 years the pressure drop readings	Maintain for a period of 5 years the daily visible emissions notations	Maintain for a period of 5 years the results of the baghouses inspections and maintenance
F. Reporting	-	Number, duration, cause of any excursions or exceedances and the corrective actions taken	Number, duration, cause of any excursions or exceedances and the corrective actions taken	-
Frequency	-	Quarterly	Quarterly	-

D.4.11 Visible Emissions Notations

(a) Visible emission notations of the one (1) stucco surge bin, one (1) additive refill bin (starch), two (2) additive bulk storage bins (starch and kaolinite), one (1) additive surge bin (kaolinite), one (1) paper fiber mill, one (1) mixing screw conveyor, one (1) wet mixer,

one (1) end saw, one (1) cut-back saw and one (1) wallboard shredder baghouses stack exhaust (B-13, B14, B15, B-16, WR-1 and WR-2) shall be performed once per day during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.

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

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

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

(e) 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.4.12 Broken or Failed Bag Detection [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

(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.

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

D.4.13 Record Keeping Requirement

(a) To document compliance with Condition D.4.11, the Permittee shall maintain records of visible emission notations of the stack exhausts (B-13, B14, B15, B-16, WR-1 and WR-2) once per day. 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).

(b) To document compliance with Condition D.4.9, the Permittee shall maintain once per day records of the pressure drop during normal operation and the reason for the lack of pressure drop notation (e.g. the process did not operate that day).

(c) To document compliance with Condition D.4.10, the Permittee shall maintain records of baghouse inspections. These records shall include as a minimum, dates, initials of the person performing the inspections, results, and corrective actions taken in response to

excursions as required by the CAM for the baghouses controlling the one (1) stucco surge bin, HRA bin. kaolinite surge bin, paper fiber mill, mixing screw conveyor and wet mixer, one (1) end saw, one (1) dunnage saw and one (1) waste reclaim shredder (if any are required).

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

SECTION D.5 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

A joint treatment process, consisting of the following equipment:

(a) A pneumatic conveying system from the bulk storage silos to the scale hoppers, constructed in 1977, with particulate matter emissions controlled by three (3) baghouses, identified as JBH-11, JBH-12 and JBH-13, and exhausting through three (3) stacks, identified as J-11, J-12 and J-13, respectively.

(b) Four (4) scale hoppers, constructed in 1977, with particulate matter emissions uncontrolled, and exhausting inside the building.

(c) A ready-mix line, consisting of the following equipment:

(1) Two (2) holding hoppers, constructed in 1977, each with a maximum throughput of 5 tons per hour, with particulate matter emissions controlled by two (2) baghouses, identified as JBH-1 and JBH-2, and each exhausting through two (2) stacks, identified as J-1 and J-2, respectively.

(2) One (1) dry additive bag dump, constructed in 1977, with a maximum throughput of 1176 pounds per hour, with particulate matter controlled by three (3) baghouses, identified as JBH-1, JBH-2 and JVH-3, and exhausting through three (3) stacks, identified as J-1, J-2 and J-3, respectively.

(3) Two (2) wet mixers, constructed in 1997, each with a maximum throughput of 7.25 tons per hour, controlled by baghouses JBH-1 and JBH-2, each exhausting through two (2) stacks, identified as J-1 and J-2, respectively.

(4) One (1) Quick mixer, controlled by one (1) baghouse, identified as JVH-20.

(5) One (1) conveying system, controlled by one (1) baghouse, identified as JBH-3.

(d) A dry joint compound line, consisting of the following equipment:

(1) One (1) dry joint additive bag dump, constructed in 1995, with a maximum throughput of 600 pounds per hour, with particulate matter emissions controlled by one (1) baghouse, identified as JBH-8, and exhausting through one (1) stack, identified as J-8.

(2) One (1) reclaim screw conveyor, constructed in 1995, with a maximum throughput of 1,184 pounds per hour, with particulate matter emissions controlled by one (1) baghouse, identified as JBH-7, and exhausting through one (1) stack, identified as J-7.

(3) One (1) dry joint mixer, constructed in 1977, with a maximum throughput of 5,678 pounds per hour, with particulate matter emissions controlled by one (1) baghouse, identified as JBH-7, and exhausting through one (1) stack, identified as J-7.

(4) One (1) packing machine, constructed in 1977, with a maximum throughput of 5,100 pounds per hour, with particulate matter emissions controlled by one (1) baghouse, identified as JBH-14, and exhausting inside the building through stack J-14.

(e) A dry texture paint line, consisting of the following equipment:

(1) One (1) reclaim screw conveyor, constructed in 1995, with maximum throughput of 502 pounds per hour, and a polystyrene screw conveyor, with a maximum capacity of 75 pounds per hour, with particulate matter emissions controlled by one (1) baghouse, identified as JBH-4, and exhausting through one (1) stack, identified as J-4.

(2) One (1) dry texture paint mixer, constructed in 1977, with a maximum throughput of 4650 pounds per hour, with particulate matter emissions controlled by one (1) baghouse, identified as JBH-4, and exhausting through one (1) stack, identified as J-4.

(3) One (1) packing machine, constructed in 1977, with a maximum throughput of 4650 pounds per hour, with particulate matter emissions controlled by one (1) baghouse, identified as JBH-4, and exhausting through one (1) stack, identified as J-4.

(4) One (1) dry paint weigh station, constructed in 1977, with particulate matter emissions controlled by one (1) baghouse, identified as JBH-15, and exhausting through one (1) stack, identified as J-15.

(5) One (1) dry additive conveying system, constructed in 1977, with a maximum throughput of 400 pounds per hour, with particulate emissions controlled by one (1) vacuum receiver, identified as JVH-6, and exhausting through one (1) stack, identified as J-6.

(6) One (1) additive bag dump, constructed in 1977, with a maximum throughput of 390 pounds per hour, with particulate matter emissions controlled by one (1) baghouse, identified as JBH-5,and exhausting through one (1) stack, identified as J-5.

(f) A bag dump system serving the ready-mix, dry joint compound, and dry texture paint lines, consisting of the following equipment:

(1) One (1) bag and tote dispensing system, identified as BTD1, constructed in 2006, with a maximum throughput of 2,166 pounds of dry additives per hour, controlled by one dry cartridge filter dust collector, identified as JBH-17, exhausting inside the building.

(2) One (1) weighing and batching system identified as WB1, constructed in 2006, with a maximum throughput of 2,166 pounds of dry additives per hour, controlled by two (2) dry cartridge filter dust collectors, identified as JBH-18 and JBH-19, exhausting inside the building.

(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.5.1 PM/PM10 Emissions Prevention of Significant Deterioration (PSD) Minor Limits [326 IAC 2-2]

The Permittee shall comply with the following limits:

Emission Units	PM/PM10 Emission Limits (lb/hr)
Ready Mix Line	
Mixer #1 & holding hopper	0.29
Mixer #2 & holding hopper	0.29
Conveying	0.35
Quick Mixer	0.04
Dry Joint Compound Production Line	
Screw reclaim conveyor & dry joint mixer	0.88
Dry Texture Paint Production Line	
Dry additive conveying system	0.10
Dry texture Paint mixer, reclaim conveying, & packaging	0.51
Additive bag dump	0.70
Bag Dump Station	
Bag & Tote Dispensing System	0.88
Weighing & batching system side A	0.19
Weighing & batching system side B	0.19

Compliance with these limits in conjunction with the PSD minor limits for PM/PM10 in the other SECTION Ds shall render the requirements of 326 IAC 2-2, not applicable with respect to PM/PM10 emissions.

D.5.2 PM2.5 Nonattainment Major New Source Review (NSR) Minor Limits [326 IAC 2-1.1-5]

The Permittee shall comply with the following limits:

Emission Units	PM2.5 Emission Limits (lb/hr)
Ready Mix Line	
Mixer #1 & holding hopper	0.11
Mixer #2 & holding hopper	0.11
Conveying	0.13
Quick Mixer	0.01
Dry Joint Compound Production Line	
Screw reclaim conveyor & dry joint mixer	0.32
Dry joint conveying	0.03
Dry Texture Paint Production Line	
Dry additive conveying system	0.04
Dry texture Paint mixer, reclaim conveying, & packaging	0.19
Bag Dump Station	
Bag & Tote Dispensing System	0.32
Weighing & batching system side A	0.07
Weighing & batching system side B	0.07

Compliance with these limits in conjunction with the other nonattainment major New Source Review (NSR) minor limits for PM/PM2.5 in the other SECTION Ds shall render the requirements of nonattainment major NSR, 326 IAC 2-1.1-5, not applicable with respect to PM2.5 emissions.

D.5.3 PM10 Emission Limitations for Lake County [326 IAC 6.8-2-37

Pursuant to 326 IAC 6.8-2-37, the PM10 emissions from each stack serving the following emission units shall be limited as follows:

Emission Units	Emission Limit (grain/dscf)	Emission Limit (lbs/hr)
Wallboard manufacturing process		
Each stack serving ready mix process, stacks J1, J2, and J3	0.017	0.100
Dry texture paint process		
Mixing and packing, stack J4	0.020	0.190
Bag dumping, stack J5	0.010	0.100
Dry additive conveying, stack J6	0.010	0.030
Additive bag dumping, stack J8	0.010	0.340
Dry joint compound process		
Mixing and packing, stack J7	0.020	0.340

D.5.4 Particulate Emission Less Than Ten Microns (PM10) Limitations [326 IAC 6.8-10-3]

(a) Pursuant to 326 IAC 6.8-10-3(7)(A), the PM10 emissions from the following material processing facilities shall each not exceed twenty-two thousandths (0.022) grain per dry standard cubic foot (gr/dscf):

Material Processing Facility	Control ID
Quick mixer	Baghouse JVH-20
Packing machine	Baghouse JVH-14(stack J-14)
Dry paint weigh station	Baghouse JVH-15 (stack B-15)
Bag and tote dispensing system	Dry cartridge filter dust collector JBH-17, exhausting inside the building
Weighing and Batching system	Dry cartridge filter dust collector JBH-18, exhausting inside the building

(b) Pursuant to 326 IAC 6.8-10-3(7)(A), opacity from each of the control devices controlling the above material processing facilities shall not exceed 10%. Compliance with this opacity limit shall be determined using EPA Method 9.

D.5.5 Particulate Emission Limitations [326 IAC 6.8-1-2]

Pursuant to 326 IAC 6.8-1-2, the particulate emissions from one (1) dry paint weigh station, exhausting through stack J-15 shall not exceed 0.03 gr/dscf.

D.5.6 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

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

Compliance Determination Requirements

D.5.7 Particulate Control

The baghouses for particulate control shall be in operation at all times the emission units involved in the joint treatment process, dry joint compound production, dry testure paint production and bag dump system are in operation.

D.5.8 Continuous Compliance Plan [326 IAC 6.8-8]

(a) Pursuant to 326 IAC 6.8-8-1, the Permittee shall operate all emission units at the plant including the emissions units subject to 326 IAC 6.8-2-37 in accordance with the Continuous Compliance Plan (CCP). The Permitee shall submit the Continuous Compliance Plan (CCP) to IDEM within thirty (30) days of the issuance of this Part 70 Operating Permit Renewal 089-17794-00333 and maintain at the source a copy of this CCP. The CCP shall include the recording, inspection and maintenance in accordance with the information in 326 IAC 6.8-8-7 or applicable procedures in the CCP.

(b) Pursuant to 326 IAC 6.8-8-8, the Permittee shall update the CCP, as needed, retain a copy any changes and updates to the CCP at the source and make the updated CCP available for inspection by the department. The Permittee shall submit the updated CCP to IDEM, OAQ, Compliance Branch within thirty (30) days of the update.

(c) Pursuant to 326 IAC 6.8, failure to submit a CCP, maintain all information required by the CCP at the source, or submit an update of the CCP is a violation of 326 IAC 6.8.

D.5.9 Testing Requirements [326 IAC 2-7-6(1), (6)]

(a) No later than 180 days after the issuance of this Part 70 Operating Permit Renewal No. 089-17794-00333, in order to demonstrate compliance with Conditions D.5.1 and D.5.5, the Permittee shall perform PM testing on the one (1) screw reclaim conveyor, and one (1) dry joint mixer controlled by one (1) baghouse, JBH-7, utilizing methods as approved by the Commissioner.

(b) In order to demonstrate compliance with Conditions D.5.1, D.5.2, D.5.3 and D.5.4, the Permittee shall perform PM 2.5 and PM10 testing on the one (1) screw reclaim conveyor and one (1) dry joint mixer controlled by one (1) baghouse, JBH-7, within 180 days of publication of the new or revised condensable PM test method(s) referenced in the U. S. EPA's Final Rule for Implementation of the New Source Review (NSR) Program for Particulate Matter Less Than 2.5 Micrometers (PM2.5), signed on May 8th, 2008. This testing shall be conducted utilizing methods as approved by the Commissioner. These tests shall be repeated at least once every five (5) years from the date of this valid compliance demonstration. Testing shall be conducted in accordance with Section C - Performance Testing. PM10 and PM2.5 includes filterable and condensable PM.

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

D.5.10 Baghouse Parametric Monitoring

The Permittee shall record the pressure drop across the baghouses used in conjunction with the screw reclaim conveyor, dry joint mixer, dry joint packaging, bag and tote dispensing system at least once per day when the process is in operation. When for any one reading, the pressure drop across each baghouse is outside the normal range of 0.5 and 6.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C - 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.

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 annually.

D.5.11 Compliance Assurance Monitoring (CAM) [40 CFR Part 64]

Pursuant to 40 CFR Part 64, the Permittee shall comply with the following Compliance Assurance Monitoring requirements for the baghouses controlling the screw reclaim conveyor, dry joint mixer, dry joint packaging, bag and tote dispensing system:

(A) Monitoring Approach

PARAMETER	INDICATOR NO. 1	INDICATOR NO. 2	INDICATOR NO. 3	INDICATOR NO. 4
IV. Indicator	PM Concentration	Pressure Differential	Opacity	Bag Condition
Measurement Approach	U.S. EPA Method 5, for PM, U.S. EPA Methods 201 A, for PM10 filterable and 202, for PM10 condensable or other Methods approved by the Commissioner – for each baghouse	Monitor pressure differential across the baghouses once per day	Method 9 visual observations during stack test. Daily visible emission notations.	Visual inspection.
II. Indicator Range	Baghouses PM and PM10 emission limits in grain/dscf and pounds per hour	Baghouses pressure drop ranges	An excursion is defined as an opacity measurement exceeding 10% on a 6-minute average. Normal or abnormal.	An excursion is defined as failure to perform the quarterly inspection.
III. Performance Criteria				
A. Data Representativeness	U.S. EPA Method 5, for PM or other Methods approved by the Commissioner	Stack test using U.S. EPA Methods or other Methods approved by the Commissioner	Procedures addressed in Method 9 Daily visible emission notations.	Baghouse inspected visually for bag leaks.
B. Verification of Operational Status	Fans amps and damper position.	Fans amps and damper position.	NA	NA
C. QA/QC Practices and Criteria	U.S. EPA Method 5, for PM or other Methods approved by the Commissioner	Stack test using U.S. EPA Methods or other Methods approved by the Commissioner	Use of a certified visible emission observer.	Trained personnel perform inspections and maintenance.
D. Monitoring Frequency	Once every 5 years.	Once per day pressure drop reading	Once every 5 years for Method 9 Once daily for visible emission notations (when the emission unit is operating).	Quarterly
IV. Data Collection Procedures	U.S. EPA Method 5, for PM or other Methods approved by the Commissioner	Stack test using U.S. EPA Methods or other Methods approved by the Commissioner	Daily visible emissions notations are recorded on V.E. Form.	Results of inspections and maintenance activities performed are recorded in baghouse maintenance log.
Averaging Period	Average of 3 test runs each 1 hour long	Average of 3 test runs each 1 hour long	Six-minute average during stack test	NA
E. Record Keeping	Maintain for a period of 5 years the results of the tests	Maintain for a period of 5 years the pressure drop readings	Maintain for a period of 5 years the daily visible emissions notations	Maintain for a period of 5 years the results of the baghouses inspections and maintenance
F. Reporting	-	Number, duration, cause of any	Number, duration, cause of any	-

PARAMETER	INDICATOR NO. 1	INDICATOR NO. 2	INDICATOR NO. 3	INDICATOR NO. 4
		excursions or exceedances and the corrective actions taken	excursions or exceedances and the corrective actions taken	
Frequency	-	Quarterly	Quarterly	-

D.5.12 Visible Emissions Notations

(a) Visible emission notations of the screw reclaim conveyor, dry joint mixer, baghouses stack exhaust (J-7 and J-8) shall be performed once per day during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.

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

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

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

(e) 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.5.13 Broken or Failed Bag Detection [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

(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.

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

D.5.14 Record Keeping Requirement

(a) To document compliance with Condition D.5.12, the Permittee shall maintain records of visible emission notations of the stack exhausts (J-7 and J-8) once per day. 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).

(b) To document compliance with Condition D.5.10, the Permittee shall maintain once per day records of the pressure drop during normal operation and the reason for the lack of pressure drop notation (e.g. the process did not operate that day).

(c) To document compliance with Condition D.5.11, the Permittee shall maintain records of baghouse inspections. These records shall include as a minimum, dates, initials of the person performing the inspections, results, and corrective actions taken in response to excursions as required by the CAM for the baghouses controlling the screw reclaim conveyor, dry joint mixer, dry joint packaging, bag and tote dispensing system (if any are required).

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

SECTION D.6 FACILITY OPERATION CONDITIONS

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

Insignificant activities:

(a) Degreasing operation that does not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6.

(b) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment.

(c) One (1) landplaster baler, with particulate matter emissions uncontrolled, and exhausting directly to the atmosphere.

(d) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) British thermal units per hour.

(e) A polypropylene bag grinding process, consisting of the following equipment:

(1) A bag storage and conveying system, with two (2) bins and two (2) screw conveyors, with negligible emissions, and exhausting inside the building.

(2) Two (2) polypropylene bags grinding machines, each with a maximum throughput of 20 pounds per hour, with particulate matter emissions controlled by partial enclosure, and exhausted to the ground polypropylene bins.

(3) Three (3) ground polypropylene bins with screens, with a combined maximum capacity of 360 cubic feet, with particulate matter emissions uncontrolled, and exhausting inside the building.

(4) One (1) weigh feeder, with a maximum throughput of 47 pounds per hour, with particulate matter emissions uncontrolled, and exhausting inside the building.

(f) One (1) synthetic gypsum storage pile, permitted in 2009, with a storage capacity of 50,000 tons.

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

D.6.1 Nonattainment Area Particulate Limitation [326 IAC 6.8-1-2]

Pursuant to 326 IAC 6.8-1-2 (Nonattainment Area Particulate Limitations), the PM emissions from the welding equipment, landplaster baler, the synthetic gypsum storage pile, and polypropylene bag grinding process shall not exceed 0.03 grains per dry standard cubic foot (gr/dscf).

D.6.2 Volatile Organic Compounds (VOC) [326 IAC 8-3-2]

Pursuant to 326 IAC 8-3-2 (Cold Cleaner Operations), the owner or operator of the three (3) cold cleaner degreasers shall:

(a) Equip the cleaner with a cover;

(b) Equip the cleaner with a facility for draining cleaned parts;

(c) Close the degreaser cover whenever parts are not being handled in the cleaner;

(d) Drain cleaned parts for at least fifteen (15) seconds or until dripping ceases;

(e) Provide a permanent, conspicuous label summarizing the operation requirements;

(f) Store waste solvent only in covered containers and not dispose of waste solvent or transfer it to another party, in such a matter that greater than twenty percent (20%) of the waste solvent (by weight) can evaporate into the atmosphere.

D.6.3 Volatile Organic Compounds (VOC) [326 IAC 8-3-5]

Pursuant to 326 IAC 8-3-5 (Cold Cleaner Degreaser Operation and Control), the owner or operator of the two (2) cold cleaner degreasers shall:

(a) Comply with the following control equipment requirements:

(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 threetenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirtyeight 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°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 used is insoluble in, and heavier than, water.
(C) Other systems of demonstrated equivalent control such as a refrigerated chiller or carbon adsorption.

(b) The degreasers must comply with the following operating requirements:

(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.

Compliance Determination Requirement

D.6.4 Testing Requirements [326 IAC 2-7-6(1),(6)]

The Permittee is not required to test these facilities by this permit. However, IDEM may require compliance testing at any specific time when necessary to determine if the facilities are in compliance. If testing is required by IDEM, compliance with the PM limits specified in Conditions D.6.1 shall be determined by a performance test conducted in accordance with Section C - Performance Testing.

SECTION E.1 FACILITY OPERATION CONDITIONS

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

A stucco production process, consisting of the following equipment:

(b) One (1) calcining kettle, known as calcining kettle #1A, constructed in 2007, with a maximum throughput of 11.5 tons per hour, with particulate emissions controlled by one (1) baghouse, identified as MBH-22, and exhausting through one (1) stack, identified as M-22A.

(c) One (1) calcining kettle, known as calcining kettle #1B, constructed in 2006, with a maximum throughput of 12.0 tons per hour, with particulate emissions controlled by one (1) baghouse, identified as MBH-22, and exhausting through one (1) stack, identified as M-22B.

(d) One (1) calcining kettle, known as calcining kettle #2, constructed in 1998, with a maximum throughput of 45 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as MBH-16, and exhausting through one (1) stack, identified as M-16.

(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 New Source Performance Standards [326 IAC 12-1] [40 CFR Part 60, Subpart A]

(a) The provisions of 40 CFR 60, Subpart A - General Provisions, which are incorporated by reference in 326 IAC 12-1, apply to the facilities described in this Section E.1 except when otherwise specified in 40 CFR 60, Subpart UUU.

(b) Pursuant to 40 CFR 60.19, the Permittee shall submit all required notifications and reports to:

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

E.1.2 New Source Performance Standards (NSPS) for Calciners and Dryers in Mineral Industries [40 CFR Part 60, Subpart UUU] [326 IAC 12]

(a) The Permittee shall comply with the following provisions of 40 CFR Part 60, Subpart UUU (New Source Performance Standards (NSPS) for Calciners and Dryers in Mineral Industries) (included as Attachment of this permit) which are incorporated by reference as 326 IAC 12:

40 CFR Part 60.730
40 CFR Part 60.731
40 CFR Part 60.732
40 CFR Part 60.734(a),(c)
40 CFR Part 60.735(a)
40 CFR Part 60.736(a), (b)(1)
40 CFR Part 60.737

SECTION E.2 FACILITY OPERATION CONDITIONS

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

A landplaster production process consisting of the following equipment:

(a) One (1) dryer mill bin #1, constructed in 1988, with a maximum capacity of 60 tons and a throughput of 35 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as MBH-8, exhausting and exhausting through one (1) stack, identified as M-8.

(b) One (1) dryer mill bin #2, constructed in 1999, with a maximum capacity of 60 tons and a throughput of 35 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as MBH-12, exhausting and exhausting through one (1) stack, identified as M-12.

(c) One (1) dryer mill #1, constructed in 1988, with a maximum throughput of 35 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as MBH-8, and exhausting through one (1) stack, identified as M-8.

(e) One (1) screening station #1, constructed in 1988, with a maximum throughput of 35 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as MBH-8, and exhausting through one (1) stack, identified as M-8.

(f) One (1) dryer mill #2, constructed in 1988, with a maximum throughput of 35 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as MBH-12, and exhausting through one (1) stack, identified as M-12.

(h) One (1) mill HRA landplaster bin, constructed in 1999, with a maximum capacity of 20 tons, with particulate matter controlled by one (1) baghouse, identified as MBH-19, and exhausting through one (1) stack, identified as M-19.

(i) One (1) paper waste reclamation unit, constructed in 2007, with a maximum capacity of 5.0 tons per hour, with particulate emissions controlled by one (1) cyclone and one (1) baghouse dust collector, identified as DC WR-3, exhausting through one (1) stack, identified as WR-3.

A stucco production process, consisting of the following equipment:

(a) The miscellaneous stucco handling operations which includes one (1) #4 stucco elevator, two (2) screw conveyors (#17 and #17A),

(b) Two (2) stucco storage bins,

(c) Two (2) stucco surge bins,

(d) One (1) (HRA) landplaster feed bin, one (1) HRA bin, one (1) HRA mill additive sugar bin, one (1) HRA ball mill, one (1) additive starch refill bin, one (1) additive vermiculte refill receiver, two (2) additive starch and kaolinite bulk storage bins, one additive kaolinite surge bin, glass fiber additive bin, one (1) paper fiber mill

(e) One (1) wallboard mixing screw conveyor

(f) One (1) dry joint compound reclaim screw conveyor

(g) One (1) dry texture paint line reclaim screw conveyor

(h) One (1) waste reclamation unit.

(i) The bag and tote dispensing system (BTD1), weighing and batching system (WB1).

(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 New Source Performance Standards [326 IAC 12-1] [40 CFR Part 60, Subpart A]

(a) The provisions of 40 CFR 60, Subpart A - General Provisions, which are incorporated by reference in 326 IAC 12-1, apply to the facilities described in this Section E.2 except when otherwise specified in 40 CFR 60, Subpart OOO.

(b) Pursuant to 40 CFR 60.19, the Permittee shall submit all required notifications and reports to:

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

E.2.1 New Source Performance Standards (NSPS) for Nonmetallic Mineral Processing Plants [40 CFR Part 60, Subpart OOO] [326 IAC 12]

(a) The Permittee shall comply with the following provisions of 40 CFR Part 60, Subpart OOO (New Source Performance Standards (NSPS) for Nonmetallic Mineral Processing Plants (included as Attachment of this permit) which are incorporated by reference as 326 IAC 12:

40 CFR Part 60.670(a)(1), (e), (f), Table -1
40 CFR Part 60.671
40 CFR Part 60.672(a), (b), (e)(1) and (2), (f), (g)
40 CFR Part 60.675
40 CFR Part 60.676(f), (h), (i), (j)

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
PART 70 OPERATING PERMIT
CERTIFICATION

Source Name: United States Gypsum Company
Source Address: 301 Riley Road, East Chicago, IN 46312
Mailing Address: 301 Riley Road, East Chicago, IN 46312
Part 70 Permit No.: 089-17794-00333

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: United States Gypsum Company
Source Address: 301 Riley Road, East Chicago, IN 46312
Mailing Address: 301 Riley Road, East Chicago, IN 46312
Part 70 Permit No.: 089-17794-00333

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 OPERATING PERMIT
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT

Source Name: United States Gypsum Company
Source Address: 301 Riley Road, East Chicago, IN 46312
Mailing Address: 301 Riley Road, East Chicago, IN 46312
Part 70 Permit No.: 089-17794-00333

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.

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

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

TO: Kevin Henry
United States Gypsum Company
301 Riley Rd
E Chicago, IN 46132

DATE: February 7, 2011

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

SUBJECT: Final Decision
Title V
089-29997-00333

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

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

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

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

Mail Code 61-53

IDEM Staff	CDENNY 2/7/2011 United States Gypsum Company 089-29997-00333 (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**

Line	Article Number	Name, Address, Street and Post Office Address	Postage	Handing Charges	Act. Value (If Registered)	Insured Value	Due Send if COD	R.R. Fee	S.D. Fee	S.H. Fee	Rest. Del. Fee Remarks
1		Kevin Henry United States Gypsum Company 301 Riley Rd E Chicago IN 46132 (Source CAATS)									
2		Curt Loring Plant Mgr United States Gypsum Company 301 Riley Rd E Chicago IN 46132 *(RO CAATS)*									
3		East Chicago City Council 4525 Indianapolis Blvd East Chicago IN 46312 *(Local Official)*									
4		Safety-Kleen Corp 601 Riley Rd East Chicago IN 46312 *(Affected Party)*									
5		Gary - Hobart Water Corp 650 Madison St, P.O. Box M486 Gary IN 46401-0486 *(Affected Party)*									
6		Lake County Health Department-Gary 1145 W. 5th Ave Gary IN 46402-1795 *(Health Department)*									
7		WJOB / WZVN Radio 6405 Olcott Ave Hammond IN 46320 *(Affected Party)*									
8		Laurence A. McHugh Barnes & Thornburg 100 North Michigan South Bend IN 46601-1632 *(Affected Party)*									
9		Shawn Sobocinski 3229 E. Atlanta Court Portage IN 46368 *(Affected Party)*									
10		Ms. Carolyn Marsh Lake Michigan Calumet Advisory Council 1804 Oliver St Whiting IN 46394-1725 *(Affected Party)*									
11		Mark Coleman 9 Locust Place Ogden Dunes IN 46368 *(Affected Party)*									
12		Mr. Chris Hernandez Pipefitters Association, Local Union 597 8762 Louisiana St., Suite G Merrillville IN 46410 *(Affected Party)*									
13		Mr. John Wellspring Environmental Resources Management (ERM) 11350 N Meridian St, Ste 320 Carmel IN 46032 (Consultant)									
14		Craig Hogarth 7901 West Morris Street Indianapolis IN 46231 *(Affected Party)*									
15		Lake County Commissioners 2293 N. Main St, Building A 3rd Floor Crown Point IN 46307 *(Local Official)*									

Total number of pieces Listed by Sender	Total number of Pieces Received at Post Office	Postmaster, Per (Name of Receiving employee)	The full declaration of value is required on all domestic and international registered mail. The maximum indemnity payable for the reconstruction of nonnegotiable documents under Express Mail document reconstructing insurance is $50,000 per piece subject to a limit of $50, 000 per occurrence. The maximum indemnity payable on Express mil merchandise insurance is $500. The maximum indemnity payable is $25,000 for registered mail, sent with optional postal insurance. See ***Domestic Mail Manual*** **R900, S913**, and **S921** for limitations of coverage on inured and COD mail. See ***International Mail Manual*** for limitations o coverage on international mail. Special handling charges apply only to Standard Mail (A) and Standard Mail (B) parcels.

FACSIMILIE OF PS Form 3877

Mail Code 61-53

IDEM Staff	CDENNY 2/7/2011 United States Gypsum Company 089-29997-00333 (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**

Line	Article Number	Name, Address, Street and Post Office Address	Postage	Handing Charges	Act. Value (If Registered)	Insured Value	Due Send if COD	R.R. Fee	S.D. Fee	S.H. Fee	Rest. Del. Fee Remarks
1		Anthony 2006 E. 140th Street East Chicago IN 46312 (Affected Party)									
2		Barbara G. Perez 506 Lilac Street East Chicago IN 46312 *(Affected Party)*									
3		Mr. Robert Garcia 3733 Parrish Avenue East Chicago IN 46312 *(Affected Party)*									
4		Ms. Karen Kroczek 8212 Madison Ave Munster IN 46321-1627 *(Affected Party)*									
5		Calumet Township Trustee 31 E 5th Avenue Gary IN 46402 *(Affected Party)*									
6		Joseph Hero 11723 S Oakridge Drive St. John IN 46373 *(Affected Party)*									
7		Gary City Council 401 Broadway # 209 Gary IN 46402 *(Local Official)*									
8		Mr. Larry Davis 268 South, 600 West Hebron IN 46341 *(Affected Party)*									
9		Gitte Laasby Post Tribune 1433 E. 83rd Ave Merrillville IN 46410 *(Affected Party)*									
10		Susan Severtson City of Gary Law Dept. 401 Broadway 4th Floor Gary IN 46402 *(Local Official)*									
11		Mark Zeltwanger 26545 CR 52 Nappanee IN 46550 *(Affected Party)*									
12											
13											
14											
15											

Total number of pieces Listed by Sender	Total number of Pieces Received at Post Office	Postmaster, Per (Name of Receiving employee)	The full declaration of value is required on all domestic and international registered mail. The maximum indemnity payable for the reconstruction of nonnegotiable documents under Express Mail document reconstructing insurance is $50,000 per piece subject to a limit of $50, 000 per occurrence. The maximum indemnity payable on Express mil merchandise insurance is $500. The maximum indemnity payable is $25,000 for registered mail, sent with optional postal insurance. See ***Domestic Mail Manual*** **R900, S913**, and **S921** for limitations of coverage on inured and COD mail. See ***International Mail Manual*** for limitations o coverage on international mail. Special handling charges apply only to Standard Mail (A) and Standard Mail (B) parcels.

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