

Mr. John E. Jones
Plant Manager
United States Gypsum Company
P.O. Box 1377
Shoals, IN 47581

Re: **101-11873**
Second Administrative Amendment to
Part 70 101-7691-00001

Dear Mr. Jones:

United States Gypsum Company was issued a permit on May 24, 1999 for a gypsum mining operation and a gypsum wallboard and plaster products manufacturing plant. A letter requesting a change in the required differential pressure range to 0.5 to 6.0 inches of water for all baghouse parametric monitoring at the source was received on February 6, 2000. The Part 70 permit currently specifies a range from 0.5 to 2.0 inches of water at each baghouse. OAM has reviewed the supporting material submitted with the request, and concurs that a range of 0.5 to 6.0 inches of water is more consistent with the baghouse manufacturer's specifications, and allows for operation of the baghouses in a manner that provides for extended bag life. OAM has also determined that this change is not environmentally significant, and is not a relaxation of a monitoring requirement. The request has therefore been treated as an Administrative Amendment to the Part 70 permit.

This change affects the parametric monitoring requirements for all baghouses at the source. The changes are as follows with deleted language as ~~strikeouts~~ and new language **bolded**. Pursuant to the provisions of 326 IAC 2-7-11, the permit is hereby administratively amended as follows:

D.3.9 Parametric Monitoring

The Permittee shall record the total static pressure drop across the baghouses (Pt. 9 and 10) used in conjunction with the rock dryer, at least once daily when the rock dryer is in operation. Unless operated under conditions for which the Compliance Response Plan specifies otherwise, the pressure drop across the baghouses shall be maintained within the range of 0.5 and ~~2.0~~ **6.0** inches of water or a range established during the latest stack test. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when the pressure reading is outside of the above mentioned range for any one reading.

D.4.7 Parametric Monitoring

The Permittee shall record the total static pressure drop across the baghouse (Pt. 40) used in conjunction with the glass batch system, at least once daily when the glass batch system is in operation. Unless operated under conditions for which the Compliance Response Plan specifies otherwise, the pressure drop across the baghouses shall be maintained within the range of 0.5 and ~~2.0~~ **6.0** inches of water or a range established during the latest stack test. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when the pressure reading is outside of the above mentioned range for any one reading.

D.5.7 Parametric Monitoring

The Permittee shall record the total static pressure drop across the baghouses (Pts. 11, 12 and 36) used in conjunction with the landplaster production facilities, at least once daily when the landplaster production facilities are in operation. Unless operated under conditions for which the Compliance Response Plan specifies otherwise, the pressure drop across the baghouses shall be maintained within the range of 0.5 and ~~2.0~~ **6.0** inches of water or a range established during the latest stack

test. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when the pressure reading is outside of the above mentioned range for any one reading.

D.6.10 Parametric Monitoring

The Permittee shall record the total static pressure drop across the baghouses (Pt. 1 through 8, Pt. 26 and Pt. 48) used in conjunction with the stucco production facilities, at least once daily when the associated stucco production facilities are in operation. Unless operated under conditions for which the Compliance Response Plan specifies otherwise, the pressure drop across the baghouses shall be maintained within the range of 0.5 and ~~2-θ~~ **6.0** inches of water or a range established during the latest stack test. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when the pressure reading is outside of the above mentioned range for any one reading.

D.7.9 Parametric Monitoring

The Permittee shall record the total static pressure drop across the baghouse (Pt. 14, 17, 18, 19, 20, 25, 29, 30, 43, 51 and 52) used in conjunction with the plaster production facilities, at least once daily when the plaster production facilities are in operation. Unless operated under conditions for which the Compliance Response Plan specifies otherwise, the pressure drop across the baghouses shall be maintained within the range of 0.5 and ~~2-θ~~ **6.0** inches of water or a range established during the latest stack test. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when the pressure reading is outside of the above mentioned range for any one reading.

D.8.7 Parametric Monitoring

The Permittee shall record the total static pressure drop across the baghouses (Pts. 15, 16, 21 through 24, 28, 31, 50, 51 and 53) used in conjunction with the stucco storage and handling facilities, at least once daily when the associated facilities are in operation. Unless operated under conditions for which the Compliance Response Plan specifies otherwise, the pressure drop across the baghouses shall be maintained within the range of 0.5 and ~~2-θ~~ **6.0** inches of water or a range established during the latest stack test. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when the pressure reading is outside of the above mentioned range for any one reading.

D.9.9 Parametric Monitoring

The Permittee shall record the total static pressure drop across the baghouses (Pt. 33, 35, 37, 46, 54 and 55) used in conjunction with the #1 wallboard production facilities, at least once daily when the #1 wallboard production facilities are in operation. Unless operated under conditions for which the Compliance Response Plan specifies otherwise, the pressure drop across the baghouses shall be maintained within the range of 0.5 and ~~2-θ~~ **6.0** inches of water or a range established during the latest stack test. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when the pressure reading is outside of the above mentioned range for any one reading.

D.10.9 Parametric Monitoring

The Permittee shall record the total static pressure drop across the baghouses (Pts. 27, 32, 34, 38, 39 and 45) used in conjunction with the #2 wallboard production facilities, at least once daily when the #2 wallboard production facilities are in operation. Unless operated under conditions for which the Compliance Response Plan specifies otherwise, the pressure drop across the baghouses shall be maintained within the range of 0.5 and ~~2-θ~~ **6.0** inches of water or a range established during the latest stack test. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when the pressure reading is outside of the above mentioned

range for any one reading.

D.11.10 Parametric Monitoring

The Permittee shall record the total static pressure drop across the baghouses (Pt. 49 and 50) used in conjunction with the Dunnage machine and waste wallboard reclamation facilities, at least once daily when the associated facilities are in operation. Unless operated under conditions for which the Compliance Response Plan specifies otherwise, the pressure drop across the baghouses shall be maintained within the range of 0.5 and ~~2.0~~ **6.0** inches of water or a range established during the latest stack test. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when the pressure reading is outside of the above mentioned range for any one reading.

All other conditions of the permit shall remain unchanged and in effect. Please attach a copy of this amendment and the following revised permit pages to the front of the original 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 Patrick T. Brennan, c/o OAM, 100 North Senate Avenue, P.O. Box 6015, Indianapolis, Indiana, 46206-6015, at 631-691-3395 or in Indiana at 1-800-451-6027 (ext 631-691-3395).

Sincerely,

Paul Dubenetzky, Chief
Permits Branch
Office of Air Management

Attachments
PTB/MES

cc: File - Martin County
U.S. EPA, Region V
Martin County Health Department
Air Compliance Section Inspector - Gene Kelso
Compliance Data Section - Karen Nowak
Administrative and Development - Janet Mobley
Technical Support and Modeling - Michele Boner
Southwest Regional Office

PART 70 OPERATING PERMIT OFFICE OF AIR MANAGEMENT

**United States Gypsum Company
State Road 650
Shoals, Indiana 47581**

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

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-7 and 326 IAC 2-1-3.2 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.: T101-7691-00001	
Issued by: Janet G. McCabe, Assistant Commissioner Office of Air Management	Issuance Date: May 24, 19999
First Significant Source Modification 101-11204	Pages Affected: 5, 10, 11, 38, 39, 40, 41, 52, 54, 54a, 55, 56, 57
Issued by: Paul Dubenetzky, Branch Chief Office of Air Management	Issuance Date: December 10, 1999
First Administrative Amendment 101-11293	Pages Affected: 5, 10, 11, 38, 39, 40, 41, 52, 54, 54a, 55, 56, 57
Issued by: Paul Dubenetzky, Branch Chief Office of Air Management	Issuance Date: January 24, 2000
Second Administrative Amendment 101-11873	Pages Affected: 44, 47, 50, 55, 61, 65, 69, 74, 79
Issued by: Paul Dubenetzky, Branch Chief Office of Air Management	Issuance Date:

D.3.9 Parametric Monitoring

The Permittee shall record the total static pressure drop across the baghouses (Pt. 9 and 10) used in conjunction with the rock dryer, at least once daily when the rock dryer is in operation. Unless operated under conditions for which the Compliance Response Plan specifies otherwise, the pressure drop across the baghouses shall be maintained within the range of 0.5 and 6.0 inches of water or a range established during the latest stack test. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when the pressure reading is outside of the above mentioned range for any one reading.

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

D.3.10 Baghouse Inspections

An inspection shall be performed each calendar quarter of all bags controlling the rock dryer. All defective bags shall be replaced.

D.3.11 Broken or Failed Bag Detection

In the event that bag failure has been observed.

- (a) The affected compartments will be shut down immediately until the failed units have been repaired or replaced. Within eight (8) hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) hours of discovery of the failure and shall include a timetable for completion. 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 single compartment baghouses, failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

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

D.3.12 Record Keeping Requirements

- (a) To document compliance with Conditions D.3.1(b), D.3.3 and D.3.6, the Permittee shall maintain records in accordance with (1) through (8) below. Records maintained for (1) through (4) shall be taken monthly and shall be complete and sufficient to establish compliance with the emission limits established in D.3.1(b) and D.3.3.
 - (1) Calendar dates covered in the compliance determination period;
 - (2) Actual fuel oil usage since last compliance determination period;
 - (3) Sulfur content and heat content;
 - (4) Sulfur dioxide emission rates.
 - (5) A certification, signed by the owner or operator, that the records of the fuel supplier certifications represent all of the fuel combusted during the period; and

D.4.5 Particulate Matter (PM)

Pursuant to OP 51-03-85-0018, issued on June 8, 1981, the baghouses for PM control shall be in operation at all times when the glass batch system is in operation.

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

D.4.6 Visible Emissions Notations

- (a) Daily visible emission notations of the glass batch stack exhausts (S-13 and S-40) shall be performed during normal daylight operations while in operation. A trained employee shall record whether emissions are normal or abnormal.
- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
- (e) The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed.

D.4.7 Parametric Monitoring

The Permittee shall record the total static pressure drop across the baghouse (Pt. 40) used in conjunction with the glass batch system, at least once daily when the glass batch system is in operation. Unless operated under conditions for which the Compliance Response Plan specifies otherwise, the pressure drop across the baghouses shall be maintained within the range of 0.5 and 6.0 inches of water or a range established during the latest stack test. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when the pressure reading is outside of the above mentioned range for any one reading.

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

D.4.8 Baghouse Inspections

An inspection shall be performed each calendar quarter of all bags controlling the glass batch system. All defective bags shall be replaced.

D.4.9 Broken or Failed Bag Detection

In the event that bag failure has been observed.

- (a) The affected compartments will be shut down immediately until the failed units have been repaired or replaced. Within eight (8) hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) hours of discovery of the failure and shall include a timetable for completion. 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).

Compliance Determination Requirements

D.5.4 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.5.1 and D.5.2 shall be determined by performance test(s) conducted in accordance with Section C - Performance Testing.

D.5.5 Particulate Matter (PM)

Pursuant to OP 51-03-85-0019, OP 51-03-85-0020, and OP 51-03-85-0026, issued on June 8, 1981, OP 51-03-85-0027, issued on June 10, 1981, PC (51) 1487, issued on May 20, 1981, and PC (51) 1596, issued on December 3, 1985, the baghouses for PM control shall be in operation at all times when the grinding mills are in operation.

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

D.5.6 Visible Emissions Notations

- (a) Daily visible emission notations of the grinding mill and mill LP bin stack exhausts (S-11, S-12 and S-36) shall be performed during normal daylight operations while in operation. A trained employee shall record whether emissions are normal or abnormal.
- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
- (e) The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed.

D.5.7 Parametric Monitoring

The Permittee shall record the total static pressure drop across the baghouses (Pts. 11, 12 and 36) used in conjunction with the landplaster production facilities, at least once daily when the landplaster production facilities are in operation. Unless operated under conditions for which the Compliance Response Plan specifies otherwise, the pressure drop across the baghouses shall be maintained within the range of 0.5 and 6.0 inches of water or a range established during the latest stack test. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when the pressure reading is outside of the above mentioned range for any one reading.

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

D.5.8 Baghouse Inspections

An inspection shall be performed each calendar quarter of all bags controlling the landplaster production facilities. All defective bags shall be replaced.

D.6.8 Particulate Matter (PM)

Pursuant to OP 51-03-85-0021, OP 51-03-85-0022, OP 51-03-85-0023, OP 51-03-85-0024, issued on June 8, 1981, and PC (51) 1596, issued on December 3, 1985, the baghouses for PM control shall be in operation at all times when the calcining kettles are in operation.

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

D.6.9 Visible Emissions Notations

- (a) Daily visible emission notations of the kettle and hot pit stack exhausts (S-1 through S-8) and the filter box and landplaster bin stack exhausts (S-26 and S-52) shall be performed during normal daylight operations while in operation. Daily visible emission notations of the kettle burner stack exhausts (S-41 through S-44) shall be performed during normal daylight operations while combusting fuel oil. A trained employee shall record whether emissions are normal or abnormal.
- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
- (e) The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed.

D.6.10 Parametric Monitoring

The Permittee shall record the total static pressure drop across the baghouses (Pt. 1 through 8, Pt. 26 and Pt. 48) used in conjunction with the stucco production facilities, at least once daily when the associated stucco production facilities are in operation. Unless operated under conditions for which the Compliance Response Plan specifies otherwise, the pressure drop across the baghouses shall be maintained within the range of 0.5 and 6.0 inches of water or a range established during the latest stack test. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when the pressure reading is outside of the above mentioned range for any one reading.

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

D.6.11 Baghouse Inspections

An inspection shall be performed each calendar quarter of all bags controlling the stucco production facilities. All defective bags shall be replaced.

D.6.12 Broken or Failed Bag Detection

In the event that bag failure has been observed.

- (a) The affected compartments will be shut down immediately until the failed units have been repaired or replaced. Within eight (8) hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan

- (e) The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed.

D.7.9 Parametric Monitoring

The Permittee shall record the total static pressure drop across the baghouse (Pt. 14, 17, 18, 19, 20, 25, 29, 30, 43, 51 and 52) used in conjunction with the plaster production facilities, at least once daily when the plaster production facilities are in operation. Unless operated under conditions for which the Compliance Response Plan specifies otherwise, the pressure drop across the baghouses shall be maintained within the range of 0.5 and 6.0 inches of water or a range established during the latest stack test. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when the pressure reading is outside of the above mentioned range for any one reading.

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

D.7.10 Baghouse Inspections

An inspection shall be performed each calendar quarter of all bags controlling the plaster production facilities. All defective bags shall be replaced.

D.7.11 Broken or Failed Bag Detection

In the event that bag failure has been observed.

- (a) The affected compartments will be shut down immediately until the failed units have been repaired or replaced. Within eight (8) hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) hours of discovery of the failure and shall include a timetable for completion. 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 single compartment baghouses, failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

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

D.7.12 Record Keeping Requirements

- (a) To document compliance with Conditions D.7.1(b), D.7.3 and D.7.6, the Permittee shall maintain records in accordance with (1) through (8) below. Records maintained for (1) through (4) shall be taken monthly and shall be complete and sufficient to establish compliance with the emission limit established in D.7.1(b) and D.7.3.
 - (1) Calendar dates covered in the compliance determination period;
 - (2) Actual fuel oil usage since last compliance determination period;
 - (3) Sulfur content and heat content;

and response steps for when an abnormal emission is observed.

D.8.7 Parametric Monitoring

The Permittee shall record the total static pressure drop across the baghouses (Pts. 15, 16, 21 through 24, 28, 31, 50, 51 and 53) used in conjunction with the stucco storage and handling facilities, at least once daily when the associated facilities are in operation. Unless operated under conditions for which the Compliance Response Plan specifies otherwise, the pressure drop across the baghouses shall be maintained within the range of 0.5 and 6.0 inches of water or a range established during the latest stack test. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when the pressure reading is outside of the above mentioned range for any one reading.

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

D.8.8 Baghouse Inspections

An inspection shall be performed each calendar quarter of all bags controlling the stucco storage and handling facilities. All defective bags shall be replaced.

D.8.9 Broken or Failed Bag Detection

In the event that bag failure has been observed.

- (a) The affected compartments will be shut down immediately until the failed units have been repaired or replaced. Within eight (8) hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) hours of discovery of the failure and shall include a timetable for completion. 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 single compartment baghouses, failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

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

D.8.10 Record Keeping Requirements

- (a) To document compliance with Condition D.8.6, the Permittee shall maintain records of daily visible emission notations of the stucco storage and handling stack exhausts.
- (b) To document compliance with Condition D.8.7, the Permittee shall maintain the following:
 - (1) Daily records of the following operational parameters during normal operation when venting to the atmosphere:
 - (A) Inlet and outlet differential static pressure; and
 - (B) Cleaning cycle: frequency and differential pressure.

compliance. If testing is required by IDEM, compliance with the PM and SO₂ limits specified in Conditions D.9.1, D.9.2 and D.9.3 shall be determined by performance test(s) conducted in accordance with Section C - Performance Testing.

D.9.6 Sulfur Dioxide Emissions and Sulfur Content

Pursuant to 326 IAC 3-7-4, the Permittee shall demonstrate that the fuel oil sulfur content does not exceed three-tenths percent (0.3%) by weight by:

- (a) Providing vendor analysis of fuel delivered, if accompanied by a certification; or
- (b) Analyzing the oil sample to determine the sulfur content of the oil via the procedures in 40 CFR 60, Appendix A, Method 19.
 - (1) Oil samples may be collected from the fuel tank immediately after the fuel tank is filled and before any oil is combusted; and
 - (2) If a partially empty fuel tank is refilled, a new sample and analysis would be required upon filling.

D.9.7 Particulate Matter (PM)

Pursuant to OP 51-03-85-0025, issued on June 8, 1981, the baghouses for PM control shall be in operation at all times when the stucco handling and storage facilities are in operation.

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

D.9.8 Visible Emissions Notations

- (a) Daily visible emission notations of the #1 wallboard additive stack exhausts (S-33, S-35, S-37, S-50, S-58 and S-59) shall be performed during normal daylight operations while in operation. Daily visible emission notations of the kiln exhaust (S-46) shall be performed during normal daylight operations while combusting fuel oil. A trained employee shall record whether emissions are normal or abnormal.
- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
- (e) The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed.

D.9.9 Parametric Monitoring

The Permittee shall record the total static pressure drop across the baghouses (Pt. 33, 35, 37, 46, 54 and 55) used in conjunction with the #1 wallboard production facilities, at least once daily when the #1 wallboard production facilities are in operation. Unless operated under conditions for which the Compliance Response Plan specifies otherwise, the pressure drop across the baghouses shall be maintained within the range of 0.5 and 6.0 inches of water or a range established during the latest stack test. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when the pressure reading is outside of the above mentioned range for any one reading.

D.10.6 Sulfur Dioxide Emissions and Sulfur Content

Pursuant to 326 IAC 3-7-4, the Permittee shall demonstrate that the fuel oil sulfur content does not exceed three-tenths percent (0.3%) by weight by:

- (a) Providing vendor analysis of fuel delivered, if accompanied by a certification; or
- (b) Analyzing the oil sample to determine the sulfur content of the oil via the procedures in 40 CFR 60, Appendix A, Method 19.
 - (1) Oil samples may be collected from the fuel tank immediately after the fuel tank is filled and before any oil is combusted; and
 - (2) If a partially empty fuel tank is refilled, a new sample and analysis would be required upon filling.

D.10.7 Particulate Matter (PM)

Pursuant to OP 51-03-85-0025, issued on June 8, 1981, the baghouses for PM control shall be in operation at all times when the stucco handling and storage facilities are in operation.

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

D.10.8 Visible Emissions Notations

- (a) Daily visible emission notations of the #2 wallboard additive stack exhausts (S-27, S-32, S-34, S-38, S-39 and S-49) shall be performed during normal daylight operations while in operation. Daily visible emission notations of the kiln exhaust (S-47) shall be performed during normal daylight operations while combusting fuel oil. A trained employee shall record whether emissions are normal or abnormal.
- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
- (e) The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed.

D.10.9 Parametric Monitoring

The Permittee shall record the total static pressure drop across the baghouses (Pts. 27, 32, 34, 38, 39 and 45) used in conjunction with the #2 wallboard production facilities, at least once daily when the #2 wallboard production facilities are in operation. Unless operated under conditions for which the Compliance Response Plan specifies otherwise, the pressure drop across the baghouses shall be maintained within the range of 0.5 and 6.0 inches of water or a range established during the latest stack test. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when the pressure reading is outside of the above mentioned range for any one reading.

- (b) Analyzing the oil sample to determine the sulfur content of the oil via the procedures in 40 CFR 60, Appendix A, Method 19.
 - (1) Oil samples may be collected from the fuel tank immediately after the fuel tank is filled and before any oil is combusted; and
 - (2) If a partially empty fuel tank is refilled, a new sample and analysis would be required upon filling.

D.11.8 Particulate Matter (PM)

Pursuant to OP 51-03-85-0025, issued on June 8, 1981, the baghouses for PM control shall be in operation at all times when the stucco handling and storage facilities are in operation.

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

D.11.9 Visible Emissions Notations

- (a) Daily visible emission notations of the Dunnage machine and waste wallboard reclamation stack exhausts (S-53 and S-54) shall be performed during normal daylight operations while in operation. A trained employee shall record whether emissions are normal or abnormal.
- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
- (e) The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed.

D.11.10 Parametric Monitoring

The Permittee shall record the total static pressure drop across the baghouses (Pt. 49 and 50) used in conjunction with the Dunnage machine and waste wallboard reclamation facilities, at least once daily when the associated facilities are in operation. Unless operated under conditions for which the Compliance Response Plan specifies otherwise, the pressure drop across the baghouses shall be maintained within the range of 0.5 and 6.0 inches of water or a range established during the latest stack test. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when the pressure reading is outside of the above mentioned range for any one reading.

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

D.11.11 Baghouse Inspections

An inspection shall be performed each calendar quarter of all bags controlling the Dunnage machine and waste wallboard reclamation facilities. All defective bags shall be replaced.