

Mr. Shelby Hudgens  
Unimin Corporation  
P.O. Box 370  
Aurora, Indiana 47001-0370

Re: 029-12232  
Notice-Only Change to  
Registration 029-11736-00022

Dear Mr. Hudgens:

Unimin Corporation was issued a registration on March 30, 2000 for a non-metallic mineral processing facility. Upon further review, OAM has determined the following changes shall be made to the permit. Since there is not an increase in potential emissions due to the following changes, pursuant to the provisions of 326 IAC 2-5.5-6, Registration 029-11736-00022 is hereby revised as follows:

The revision consists of the following changes (deleted language in ~~strikeout~~, add language in **bold**):

- (1) Although, the following emission unit, crusher CR-01, was included in the total source emissions calculations, the crusher was not included in the facility description. Therefore, following change was made to the permit:

Based on the data submitted and the provisions in 326 IAC 2-5.5, it has been determined that the following operations at the non-metallic mineral processing facility, to be located at 137 Franklin Street, Aurora, Indiana, are classified as registered:

- (1) Drying and Screening process, with a maximum capacity as claimed confidential by the source, using three (3) baghouses, identified as DC01, DC02 and DC05 as particulate control devices. This process also uses a rotary dryer, identified as DR01, with a maximum capacity as claimed confidential by the source.
  - (2) Sweco, bagging and bulk loadout processes, with a maximum capacity as claimed confidential by the source, using one (1) baghouse, identified as DC04 as a particulate control device.
  - (3) Sand system, with a maximum capacity as claimed confidential by the source, using one (1) baghouse, identified as DC03 as a particulate control device.
  - (4) **One impact crusher, identified as CR-01, with a maximum capacity as claimed confidential by the source, with uncontrolled emissions.**
- (2) Condition 1 of the registration references a 30% opacity limitation. The correct opacity limitation for Unimin Corporation in Dearborn county, not located in Lawrence Township, should be 40%. Since Unimin Corporation is not located in Lawrence Township, the following change has been made to the registration:
    - (1) 326 IAC 5-1 (Visible Emissions Limitations)  
Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Alternate Opacity Limitations), opacity shall meet the following, unless otherwise stated in this permit:
      - (a) Opacity shall not exceed an average of **forty** ~~thirty~~ percent (**40**~~30~~%) any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
      - (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of

fifteen (15) minutes (sixty (60) readings) as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

- (3) The following condition has been added to the permit for Compliance purposes:

**Parametric Monitoring**

**The Permittee shall record the total static pressure drop across the baghouses used in conjunction with the drying, screening, bagging and bulk loadout processes, at least once weekly when the drying, screening, bagging and bulk loadout processes are in operation when venting to the atmosphere. The pressure drop across the baghouses shall be maintained within the ranges specified below:**

The pressure drop ranges for collectors DC-01 through DC-05 shall indicate a range as follows:

DC-01:	1.8 to 3.3 inches of water for chamber 1 3.2 to 5.9 inches of water for chamber 2
DC-02:	2.3 to 4.2 inches of water
DC-03:	2.8 to 5.2 inches of water
DC-04:	1.8 to 3.3 inches of water
DC-05:	3.5 to 6.5 inches of water

**The instrument used for determining the pressure shall comply with the Pressure Gauge Specifications of this permit, and shall be calibrated at least once every six (6) months.**

- (4) The following condition has been added to the permit for compliance determination for parametric monitoring listed in (3) of this letter.

Pressure Gauge Specifications

Whenever a condition in this permit requires the measurement of pressure drop across any part of the unit or its control device, the gauge employed shall have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent ( ±2%) of full scale reading.

All other conditions of the permit shall remain unchanged and in effect. Please attach a copy of this permit revision and all corrected pages of the registration 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 Kimberly Titzer, at OAM, 100 North Senate Avenue, P.O. Box 6015, Indianapolis, Indiana, 46206-6015, or call (800) 451-6027, press 0 and ask for extension (3-8396), or dial (317) 233-8396.

Sincerely,  
Paul Dubenetzky, Chief  
Permits Branch  
Office of Air Management

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cc: File - Dearborn County  
U.S. EPA, Region V  
Dearborn County Health Department  
Air Compliance Section Inspector – Warren Greiling  
Compliance Data Section - Karen Nowak  
Administrative and Development - Janet Mobley  
Technical Support and Modeling - Michele Boner

Mr. Shelby Hudgens  
Unimin Corporation  
P.O. Box 370  
Aurora, Indiana 47001-0370

Re: *Revised* Registered Construction and Operation  
Status,  
029-12232-00022

Dear Mr. Hudgens

The application from Unimin Corporation, received on December 27, 1999, has been reviewed. Based on the data submitted and the provisions in 326 IAC 2-5.5, it has been determined that the following operations at the non-metallic mineral processing facility, to be located at 137 Franklin Street, Aurora, Indiana, are classified as registered:

- (1) Drying and Screening process, with a maximum capacity as claimed confidential by the source, using three (3) baghouses, identified as DC01, DC02 and DC05 as particulate control devices. This process also uses a rotary dryer, identified as DR01, with a maximum capacity as claimed confidential by the source.
- (2) Sweco, bagging and bulk loadout processes, with a maximum capacity as claimed confidential by the source, using one (1) baghouse, identified as DC04 as a particulate control device.
- (3) Sand system, with a maximum capacity as claimed confidential by the source, using one (1) baghouse, identified as DC03 as a particulate control device.
- (4) One impact crusher, identified as CR-01, with a maximum capacity as claimed confidential by the source, with uncontrolled emissions

The following conditions shall be applicable:

- (1) 326 IAC 5-1 (Visible Emissions Limitations)  
Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Alternate Opacity Limitations), opacity shall meet the following, unless otherwise stated in this permit:
  - (a) Opacity shall not exceed an average of forty percent (40%) any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
  - (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings) as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.
- (2) 326 IAC 6-4 (Fugitive Dust Emissions)  
Pursuant to 326 IAC 6-4 (Fugitive Dust Emissions), if fugitive dust is visible crossing the boundary or property line of the crushed stone plant, the source is in violation of the fugitive dust rule.
- (3) 326 IAC 6-3-2 (Process Operations)  
The particulate matter (PM) from the drying, screening, sweco, bagging, bulk loadout and sand operations shall be limited using the following equation:

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

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

The baghouses shall be in operation at all times the drying, screening, sweco, bagging, bulk loadout and sand operations are in operation, in order to comply with this limit.

(4) Parametric Monitoring

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The Permittee shall record the total static pressure drop across the baghouses used in conjunction with the drying, screening, bagging and bulk loadout processes, at least once weekly when the drying, screening, bagging and bulk loadout processes are in operation when venting to the atmosphere. The pressure drop across the baghouses shall be maintained within the ranges specified below:

The pressure drop ranges for collectors DC-01 through DC-05 shall indicate a range as follows:

DC-01:	1.8 to 3.3 inches of water for chamber 1 3.2 to 5.9 inches of water for chamber 2
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DC-03:	2.8 to 5.2 inches of water
DC-04:	1.8 to 3.3 inches of water
DC-05:	3.5 to 6.5 inches of water

The instrument used for determining the pressure shall comply with the Pressure Gauge Specifications of this permit, and shall be calibrated at least once every six (6) months.

(5) Pressure Gauge Specifications

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Whenever a condition in this permit requires the measurement of pressure drop across any part of the unit or its control device, the gauge employed shall have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent ( "2%) of full scale reading.

This registration is a revised registration issued as a source-wide permit for the source. The source may operate according to 326 IAC 2-5.5.

An authorized individual shall provide an annual notice to the Office of Air Management that the source is in operation and in compliance with this registration pursuant to 326 IAC 2-5.5-4(a)(3). The annual notice shall be submitted to:

**Compliance Data Section  
Office of Air Management  
100 North Senate Avenue  
P.O. Box 6015  
Indianapolis, IN 46206-6015**

no later than March 1 of each year, with the annual notice being submitted in the format attached.

An application or notification shall be submitted in accordance with 326 IAC 2 to the Office of Air Management (OAM) if the source proposes to construct new emission units, modify existing emission units, or otherwise modify the source.

Sincerely,  
Paul Dubenetzky, Chief  
Permits Branch  
Office of Air Management

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cc: File – Dearborn County  
Dearborn County Health Department  
Air Compliance – Warren Greiling  
Permit Tracking - Janet Mobley  
Technical Support and Modeling - Michele Boner  
Compliance Data Section - Karen Nowak

<b>Registration Annual Notification</b>
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This form should be used to comply with the notification requirements under 326 IAC 2-5.5-4(a)(3)

<b>Company Name:</b>	<b>Unimin Corporation</b>
<b>Address:</b>	<b>137 Franklin Street</b>
<b>City:</b>	<b>Aurora, Indiana</b>
<b>Authorized individual:</b>	
<b>Phone #:</b>	
<b>Registration #:</b>	<b>029-11736-00022</b>

I hereby certify that Unimin Corporation is still in operation and is in compliance with the requirements of Registration 029-11736-00022.

<b>Name (typed):</b>
<b>Title:</b>
<b>Signature:</b>
<b>Date:</b>