

VIA CERTIFIED MAIL

Jeffrey G. Knies  
Cave Quarries Inc.  
1156 N 425 W  
Paoli, IN 47454

Re: Source Specific Operation Status  
**S 117-12350-00002**

Dear Jeffrey G. Knies:

Your application for modifications to your Source Specific Operation Status was received on June 17, 2000 and has been reviewed. These modifications involve the replacement of a primary impact crusher for an impact crusher with a larger capacity and the installation a new conveyor. These modifications will result in an increase of the annual throughput from 1,000,000 tons per year to a new level of 1,600,000 tons per year. Since the potential to emit (PTE) of the source before the modifications is greater than 25 tons per year, this Source Specific Operating Agreement will not require a construction permit. Based on the data submitted and the provisions in 326 IAC 2, it has been determined that your emission source, a stationary crushed stone processing plant located at 1156 N 425 W, Paoli, Indiana 47454, has met the criteria required to obtain the requested Source Specific Operating Agreement. This Source Specific Operating Agreement hereby replaces the previously issued Source Specific Operating Agreement, No. S 117-5846-00002, issued on September 19, 1996. As of the effective date referenced below, Source Specific Operating Agreement No. S 117-5846-00002 will be deemed to be revoked.

Pursuant to IC 4-21.5-3-5(a) and (b), approval of Source Specific Operating Agreement No. S 117-12350-00002 shall not be effective until fifteen (15) days from the date of this letter.

The facilities and processes of this source are hereby granted the Source Specific Operating Agreement provided that the following requirements of 326 IAC 2-9 are satisfied:

**Section A: Crushed Stone Operation: [326 IAC 2-9-8]**

1. The crushed stone operation shall have no more than nine (9) crushers, seventeen (17) screens, and one (1) conveying operation.
2. The crushed stone operation annual throughput shall be less than three million (3,000,000) tons per year.
3. The source shall keep and maintain throughput records for the previous twelve (12) months, based on a monthly rolling total. These records shall be maintained for a minimum period of five (5) years, and made available upon request of the Office of Air Management (OAM).
4. The crushing, screening and conveying operations shall be equipped with dust collectors, unless a wet or continuous wet suppression system is used to comply with conditions 6 and 7.
5. All equipment that generate particulate matter (PM) emissions and any associated control devices shall be operated and maintained at all times of plant operation, in such a manner, as to meet all of the requirements of this Source Specific Operating Agreement.

6. The visible emissions from the screening and conveying operation shall not exceed an average of ten percent (10%) opacity in twenty-four (24) consecutive readings in a six (6) minute period. Compliance with this limitation shall be determined by 40 CFR 60, Appendix A, Method 9.
7. The visible emissions from the crushing operation shall not exceed an average of fifteen percent (15%) opacity in twenty-four (24) consecutive readings in a six (6) minute period. Compliance with this limitation shall be determined by 40 CFR 60, Appendix A, Method 9.
8. The fugitive particulate matter (PM) emissions of this source shall be controlled by applying water on all storage piles and unpaved roadways on an as needed basis, such that the following visible emission conditions are met:
  - (a) The visible emissions from any storage pile shall not exceed twenty percent (20%) in twenty-four (24) consecutive readings in a six (6) minute period. This limitation shall not apply during periods when application of control measures are ineffective or unreasonable due to sustained high wind speeds. The opacity shall be determined using 40 CFR 60, Appendix A, Method 9, except that the opacity shall be observed at approximately four (4) feet from the surface at the point of maximum opacity. The observer shall stand at least fifteen (15) feet, but no more than one-fourth (1/4) mile, from the plume and at approximately right angles to the plume.
  - (b) The visible emissions from unpaved roadways shall not exceed an average instantaneous opacity of twenty percent (20%). Average instantaneous opacity shall be the average of twelve (12) instantaneous opacity readings, taken for four (4) vehicle passes, consisting of three (3) opacity readings for each vehicle pass. The three (3) opacity readings for each vehicle pass shall be taken as follows:
    - (i) The first reading shall be taken at the time of emission generation.
    - (ii) The second reading shall be taken five (5) seconds after the first.
    - (iii) The third reading shall be taken five (5) seconds after the second reading, or ten (10) seconds after the first reading.

The three (3) readings shall be taken approximately four (4) feet from the surface at the point of maximum opacity. The observer shall stand at least fifteen (15) feet, but no more than one-fourth (1/4) mile, from the plume and at approximately right angles to the plume.
9. The fugitive particulate emissions at the crushed stone operation shall not escape beyond the property lines or boundaries of the source property, right of way, or easement on which the source is located pursuant to 326 IAC 6-4.
10. The source shall submit an annual fee of eight hundred dollars (\$800) to:

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

no later than January 30 of each year.

**Section B: General Requirements: [326 IAC 2-9-1]**

1. The source shall provide an annual notice to the commissioner, stating that the source is in operation, and certifying that its operations are in compliance with the requirements of this Source Specific Operating Agreement. The above 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 January 30 of each year, with the annual notice being submitted in the format attached.

2. Any exceedance of any requirement contained in this operating agreement shall be reported, in writing, within one (1) week of its occurrence. Said report shall include information on the actions taken to correct the exceedance, including measures to reduce emissions, in order to comply with the established limits. If an exceedance is the result of a malfunction, then the provisions of 326 IAC 1-6 apply.
3. Pursuant to 326 IAC 2-9-1(i), the owner or operator is hereby notified that this operating agreement does not relieve the permittee of the responsibility to comply with the provisions of any applicable federal, state, or local rules, or any New Source Performance Standards (NSPS), 40 CFR Part 60, or National Emission Standards for Hazardous Air Pollutants (NESHAP), 40 CFR Part 61.

Any change or modification which will alter operations in such a way that it will no longer comply with the applicable restrictions and conditions of this operating agreement, must obtain the appropriate approval from the Office of Air Management (OAM) under 326 IAC 2-5.1, 326 IAC 2-5.5, 326 IAC 2-6.1, 326 IAC 2-2, 326 IAC 2-3, 326 IAC 2-7, and 326 IAC 2-8, before such change may occur.

Sincerely,

Paul Dubenetzky, Chief  
Permit Branch  
Office of Air Management

DH

cc: File - Orange County  
Orange County Health Department  
Air Compliance Section - Gene Kelso  
Permit Tracking - Janet Mobley  
Technical Support & Modeling - Michele Boner  
Compliance Data Section - Karen Nowak

<b>Source Specific Operating Agreement Annual Notification</b>
--

This form should be used to comply with the notification requirements under 326 IAC 2-9.

<b>Company Name:</b>	<b>Cave Quarries Inc.</b>
<b>Address:</b>	<b>1156 N 425 W</b>
<b>City:</b>	<b>Paoli, Indiana 47454</b>
<b>Contact Person:</b>	
<b>Phone #:</b>	
<b>SSOA #:</b>	<b>S 117-12350-00002</b>

I hereby certify that Cave Quarries Inc. is still in operation and is in compliance with the requirements of Source Specific Operating Agreement (SSOA) S 117-12350-00002.

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