

COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL RESOURCES  
BUREAU OF AIR QUALITY CONTROL

OPERATING PERMIT

In accordance with provisions of the Air Pollution Control Act, the Act of January 8, 1960, P.L. 2119, as amended, and after due consideration of an application received under Chapter 127 of the rules and regulations of the Department of Environmental Resources, the Department hereby issues this permit for the operation of the air contamination source(s) described below.

|             |                             |            |   |
|-------------|-----------------------------|------------|---|
| Permit No.: | <u>OP-14-0001</u>           | Source &   | <u>2 rotary lime kilns (#1 and #3),</u> |
| Owner:      | <u>Con-Lime, Inc.</u>       | Air        | <u>stone dryer and six heaters</u>      |
|             |                             | Cleaning   | <u></u>                                 |
| Address:    | <u>P. O. Box 118</u>        | Device(s): | <u></u>                                 |
|             | <u>Bellefonte, PA 16823</u> |            | <u></u>                                 |
| Attn:       | <u>Irvin L. Confer</u>      | Location:  | <u>Benner Township</u>                  |
|             | <u>President</u>            |            | <u>Centre County</u>                    |

This permit is subject to the following conditions:

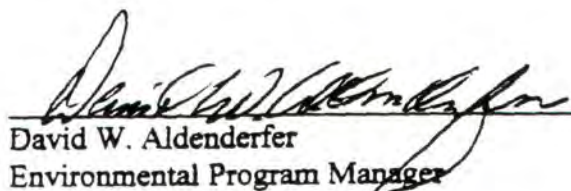
1. That the source(s) and any associated air cleaning device(s) are to be:
  - a. operated in such a manner as not to cause air pollution;
  - b. in compliance with the specifications and conditions of the applicable plan approval(s) issued;
  - c. operated and maintained in a manner consistent with good operating and maintenance practices.
2. This permit is valid only for the specific equipment, location and owner named above.

See attached for additional conditions.

Failure to comply with the conditions placed on this permit is a violation of Section 127.444. Violation of this or any other provision of Article III of the rules and regulations of the Department of Environmental Resources will result in suspension or revocation of this permit and/or prosecution under Section 9 of the Air Pollution Control Act.

Issued: JAN 07 1998

~~Expires: January 31, 2003~~

  
David W. Aldenderfer  
Environmental Program Manager

cc: Harrisburg  
Hawk Run  
File

**PERMIT CONDITIONS**  
**PERMIT NO.: OP-14-0001**  
**COMPANY: Con-Lime, Inc.**

---

3. This operating permit incorporates Reasonably Available Control Technology (RACT) determinations as required by Title I provisions of the Clean Air Act Amendments, and 25 Pa. Code Section 129.91 through 129.95 for two rotary lime kilns controlled by a fabric collector, a rotary stone dryer also controlled by a fabric collector, five space heaters and one water heater. This operating permit supersedes Operating Permit OP-14-0001 issued on June 30, 1995.
4. The expiration date shown on the operating permit is for state purposes. For Federal enforcement purposes the RACT provisions of the operating permit shall remain in effect as part of the State Implementation Plan (SIP) until replaced pursuant to 40 CFR 51 and approved by the U.S. Environmental Protection Agency (EPA).
5. Maximum lime production (output) rates shall not exceed 14.0 tons per hour and 91,980 tons per 12 consecutive month period for kiln No. 1 and 17.0 tons per hour and 87,600 tons per 12 consecutive month period for kiln No. 3.
6. Nitrogen oxides ( $\text{NO}_x$ ) emissions, expressed as  $\text{NO}_2$ , from lime kiln No. 1 shall not exceed 10.2 pounds/ton of lime produced.

Nitrogen oxides ( $\text{NO}_x$ ) emissions, expressed as  $\text{NO}_2$ , from lime kiln No. 3 shall not exceed 9.1 pounds/ton of lime produced.

7. The oxygen concentration in kilns Nos. 1 and 3 shall not exceed 3 percent during normal operation except during startup or shutdown periods.
- ~~8. The Department reserves the right to amend the emission rates specified in condition 6 above as necessary based upon information collected in accordance with condition 9 below.~~
9. The company shall perform nitrogen oxides stack testing upon the lime kilns sometime between May 1 and October 31 of each year. This testing shall be conducted in accordance with the provisions of Chapter 139 of Article III of the Rules and Regulations of the Department of Environmental Protection while the kilns are operating at maximum capacity. ~~The Department reserves the right to alter the frequency of testing at any time.~~
10. At least 60 days prior to the performance of each occurrence of testing required by condition 9 herein, a test plan shall be submitted to the Department for evaluation. This plan shall contain a description of the proposed test methods and dimensioned drawings or sketches showing the test port locations.
11. The Department shall be given at least 10 days advance notice of the scheduled dates for the performance of any testing required by condition 9 herein.



## PERMIT CONDITIONS

PERMIT NO.: OP-14-0001

COMPANY: Con-Lime, Inc.

12. Within 60 days of the completion of each occurrence of testing required by condition 9 herein, two copies of a test report shall be submitted to the Department. This report shall contain the results of the tests, a description of the testing and analytical procedures actually used in the performance of the tests, all process and operating data collected during the test, a copy of all raw data, and a copy of all calculations generated during data analysis.
13. Pursuant to Section 129.93 of Chapter 129 of Article III of the Rules and Regulations of the Department of Environmental Protection, presumptive RACT for the stone dryer, space heaters Nos. FDL110, CF-100, DV-215-7-SG, OUH-140 and water heater No. M-I 4055 CX-6 shall be the maintenance and operation of the sources in accordance with manufacturer's specifications. These sources shall also be operated and maintained in accordance with good air pollution control practices.
14. An annual report shall be submitted pursuant to Section 129.95 of Chapter 129 of Article III of the Rules and Regulations of the Department of Environmental Protection no later than January 31 of the following calendar year. This report shall contain, but shall not be limited to:
  - i. Actual stone usage/lime production per month in each kiln.
  - ii. Actual tons of fuel burned per month in each kiln.

The company shall also maintain records of kiln temperatures and oxygen levels, shall retain these records for a period of at least 2 years and shall make these records available to the Department upon request.

15. If at any time the permittee causes, permits or allows any modification (as that term is defined in Chapter 121 of Title 25, the Rules and Regulations of the Department of Environmental Protection) of the aforementioned air contamination source(s), the operation and use of which is authorized by this permit, or causes, permits or allows any modifications, malfunction or removal of any air pollution control device required as a condition of this permit, then and in that event, this permit shall be suspended, and the permittee shall not thereafter continue to operate or use said air contamination source(s).
16. The aforementioned source(s) may be operated and used only so long as any associated air pollution control devices are operated and maintained in accordance with the specifications set forth in the respective plan approval(s), and the application(s) submitted for said plan approval(s) (as approved by the Department), and in accordance with any conditions set forth herein.
- ~~17. This operating permit is issued for the operation of a bituminous coal-fired Traylor rotary lime kiln (#1 kiln), the air contaminant emissions from which are controlled by 8 compartments (#9 through #16) of a 16 compartment reverse air fabric collector, as well as for the operation of a bituminous coal-fired Allis Chalmers rotary lime kiln (#3 kiln), the air contaminant emissions from which are controlled by the other 8 compartments (#1 through #8) of the same 16 compartment reverse air fabric collector.~~

**PERMIT CONDITIONS**  
**PERMIT NO.: OP-14-0001**  
**COMPANY: Con-Lime, Inc.**

~~This operating permit is also issued for the operation of a Hardinge model XF-10 rotary stone dryer, the air contaminant emissions from which are controlled by an Emtrol model 165 SWP fabric collector.~~

- ~~18. The sulfur content of the coal used in the lime kilns shall not exceed a maximum of 1.96% (by weight).~~
- ~~19. The company shall sample and analyze the coal used in the lime kilns on a regular basis and shall make these analyses available to the Department upon request.~~
- ~~20. The company shall maintain an inventory of at least 125 spare fabric collector bags for the fabric collector associated with the lime kilns as well as a sufficient quantity of spare bags for the fabric collector associated with the stone dryer as is sufficient to allow for the immediate replacement of any bags requiring replacement due to deterioration resulting from routine operation.~~
- ~~21. The company shall, upon Department request, provide samples of the coal used in the lime kilns and stone dryer.~~
- ~~22. The company shall perform such stack testing on the fabric collectors associated with the lime kilns and/or stone dryer as may be requested by the Department.~~
23. The company shall, under no circumstances, burn anything in the lime kilns or stone dryer other than bituminous coal or #2 oil to which there has been no reclaimed or waste oil or other waste materials added.
- ~~24. The operation of the aforementioned source(s) shall at any time result in the emission of particulate matter in excess of the limitations specified in Section 123.13, sulfur oxides in excess of the limitations specified in Section 123.21, visible air contaminants in excess of the limitations specified in Section 123.41 or fugitive air contaminants in excess of the limitations specified in Section 123.1, all sections of Chapter 123 of Article III of the Rules and Regulations of the Department of Environmental Protection, or in the emission of these contaminants or any other type of air contaminant in excess of the limitations specified in, or established pursuant to, any other applicable rule or regulation contained in Article III.~~
- ~~25. The storage and handling of the material collected in the air cleaning device(s) associated with the aforementioned source(s) shall not at any time result in the emission of fugitive air contaminants in excess of the limitations specified in Section 123.1 of Chapter 123 of the Rules and Regulations of the Department of Environmental Protection.~~



## PERMIT CONDITIONS

PERMIT NO.: OP-14-0001

COMPANY: Con-Lime, Inc.

26. The company shall immediately notify the Department of any malfunction of the source(s) or associated air cleaning device(s) which results in, or may possibly be resulting in, the emission of air contaminants in excess of the limitations specified in, or established pursuant to, any applicable rule or regulation contained in Article III of the Rules and Regulations of the Department of Environmental Protection or in excess of the limitations specified in any condition contained herein or which otherwise results in, or may possibly be resulting in, noncompliance with the requirements specified in any condition contained herein.
27. If a subject source is taken out of operation for a period of one year or more during the term of this operating permit, the permittee shall not thereafter resume operation of the respective source in a manner which is contrary to the requirements specified in Section 127.11a of Chapter 127 of Article III of the Rules and Regulations of the Department of Environmental Protection.

~~28. This operating permit is valid for a limited period of time and may be renewed before its expiration. Requests for an operating permit renewal must be in writing and must be accompanied by the appropriate permit application processing and annual permit administration fees as specified in Section 127.703 of the Rules and Regulations of the Department of Environmental Protection. These fees shall be paid in the form of a check payable to the "Commonwealth of Pennsylvania - Clean Air Fund". The request should be made using the appropriate application form and must be received by the Department along with a completed Air Pollution Control Act Compliance Review form no later than January 1, 2003.~~

~~Additional annual operating permit administration fees may also be required pursuant to Section 127.703. If required, these fees are to be paid by no later than January 31, 1999, January 31, 2000, January 31, 2001 and January 31, 2002. The administration fee is to be submitted with an Annual Operating Permit Administration Fee Transmittal form.~~

~~All necessary forms can be obtained from the Department upon request.~~

29. Any notification required as a result of any condition herein should be directed to: Rhett McLaren, Air Quality Specialist, P.O. Box 209, Hawk Run, PA 16840, telephone 814-342-8131

