

COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL RESOURCES  
AIR QUALITY PROGRAM

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 described below.

Permit No.	<u>48-0007</u>	Source &	<u>Kiln's #2, #3, #4, &amp; #5</u>
Owner	<u>Lone Star Industries, Inc.</u>	Air	<u></u>
Address	<u>P.O. Box 818</u>	Cleaning	<u></u>
	<u>Nazareth, PA 18064</u>	Device	<u></u>
Attention:	<u>Mr. Rick Moore</u>	Location	<u>Nazareth Plant</u>
	<u>Plant Manager</u>		<u>Nazareth</u>
			<u>Northampton County</u>

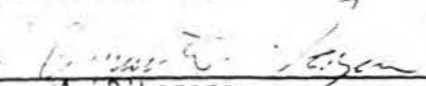
This permit is subject to the following conditions:

- (1) That the source and any associated air cleaning devices 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 plan approvals previously issued for this facility;
  - (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.

Failure to comply with the conditions placed on this permit is in violation of Section 127.25. 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 DEC 20 1994  
~~Expires October 31, 1999~~

  
Thomas A. DiLazaro  
Program Manager  
Air Quality Program

- (3) In accordance with Sections 6.3(e) and 6.3(j) of the Pennsylvania Air Pollution Control Act (as amended) a two hundred and fifty (\$250.00) dollars annual operating permit administrative fee is required each year. This administrative fee is to be submitted thirty (30) days prior to the anniversary date of this operating permit; and is to be submitted with the attached transmittal form.
- (4) This Operating Permit is valid for a limited time and may be renewed before its expiration. Requests for an Operating Permit Renewal must be in writing and must be accompanied by a permit fee in the amount of five hundred dollars (\$500.00) payable to the "Commonwealth of Pennsylvania - Clean Air Fund" (\$250.00 application processing fee and \$250.00 annual administrative fee). The request should be made on an Interim Application for Renewal of a Permit to Operate form and must be received by the Department along with a completed Compliance History form no later than the first of the month in which the permit expires.
- (5) This Operating Permit includes Reasonably Available Control Technology (RACT) determinations as required by the Title I Provisions of the The Clean Air Act Amendments.
- (6) The company shall record process raw materials used, fuel used, clinker produced and operating hours. These records shall be submitted to the Regional Air Pollution Control Engineer by January 31 of the following year.
- (7) The following allowable emission limits are established for the operation of cement kiln #2.
  - (a) Nitrogen oxide emissions shall never exceed 140.0 lbs/hour (30 day rolling average).
- (8) The following allowable emission limits are established for the operation of cement kiln #3:
  - (a) Nitrogen oxide emissions shall never exceed 133.0 lbs/hr. (30 day rolling average).
- (9) The following allowable emission limits are established for the operation of cement kiln #4:
  - (a) Nitrogen oxide emissions shall never exceed 95.0 lbs/hr. (30 day rolling average).
- (10) The following allowable emission limits are established for the operation of cement kiln #5:
  - (a) Nitrogen oxide emissions shall never exceed 95.0 lbs/hr. (30 day rolling average).

- (11) The final RACT Emission Limits (30 day rolling average, and 24-hour maximum) shall be based on CEM data and will be incorporated in the RACT operating permit.
- (12) Continuous monitoring requirements are as follows:
  - (a) Continuous emission monitors for nitrogen oxides shall be installed, operated, and maintained in accordance with the Department's "Continuous Source Monitoring Manual" (Revision No. 5-March 1993) for cement kiln's #2, 3, 4, & 5.
  - (b) Continuous monitoring shall be conducted in accordance with 25 PA Code Chapter 139 and 40 CFR 60, Subpart F and be approved by the Department.
  - (c) Monitoring and recording of exhaust gas flow rate shall be conducted in accordance with the applicant's procedure submitted to and approved by the Department.
- (13) Testing requirements are as follows:
  - (a) Source tests for cement kiln's #2, #3, #4 & #5 shall be conducted for NO<sub>x</sub>.
  - (b) Source tests shall be conducted in accordance with 25 PA Code Chapter 139 as per the Department's source testing procedures described in the latest Source Testing Manual or source testing procedures approved by the Department prior to testing. The stack tests shall be conducted within 60 days after achieving maximum firing rates, but no later than 180 days after start-up.
  - (c) At least 90 days prior to the tests, test procedures and sketches with dimensions indicating the location of sampling ports and other data to ensure the collection of representative samples shall be submitted to the Department for approval.
  - (d) At least two weeks prior to the tests, the Department shall be informed of the date and time of the tests.
  - (e) Within 60 days after completion of the tests, three copies of the complete test reports, including all operating conditions shall be submitted to the Department for approval.
- (14) The Department reserves the right to require the company to conduct source tests, as described in Condition 13(a), in the future, if warranted.

- (15) The Department reserves the right to establish and impose more stringent limits than those stated in Conditions (7)(a), (8)(a), (9)(a), and (10)(a) of this Operating Permit based on the test results from each stack test performed and Continuous Emission Monitoring results as specified in Condition (12) of this Operating Permit.
- (16) The Department shall be notified by telephone within one (1) hour following any failure to process equipment, failure of air pollution control equipment or a process operational error which results in an increase in emissions above any allowable emissions. In addition, the Department shall be notified in writing within five (5) days following such failure. The notification shall, as a minimum, include a statement of the exact time the failure occurred, its duration, and measures taken to correct the problem. The Department may take enforcement action for any violations of the applicable standards set forth in this Operating Permit.
- (17) Recordkeeping and reporting requirements are as follows:
  - (a) The company shall maintain a file containing all records and other data that are required to be collected pursuant to the various provisions of this Operating Permit, 25 PA Code Section 129.95, such that records provide sufficient data and calculations to clearly demonstrate that the requirements of 25 PA Code Sections 129.91-4 are met and 40 CFR 75 and 76. The file shall include, but not be limited to: all air pollution control system performance evaluations and records of calibration checks, adjustments and maintenance performed on all equipment which is subject to this Operating Permit and 40 CFR 75 and 76. All measurements, records and other data required to be maintained by the company shall be retained for at least two years following the date on which such measurements, records or data are recorded.
  - (b) All CEM reports shall be submitted to the Department within thirty (30) days after each quarter but no later than the time frame established in the Department's latest Continuous Source Monitoring Manual. The Department reserves the right to require the report submissions in floppy disks with a format acceptable to the Department.
- (18) Nothing in this permit shall be construed to supercede, amend or authorize violation of the provisions of any valid and applicable local law, ordinance or regulation, provided that said local law, ordinance or regulation is not preempted by the Pennsylvania Air Pollution Control Act, the Act of January 8, 1960, P.L. 2119, as amended, 35 P.S. §§4001-4015, et seq.
- (19) The permittee shall comply with the Pennsylvania Air Pollution Control Act, the Act of January 8, 1960, P.L. 2119, as amended, 35 P.S. §§4001-4015, et seq. and Title 25, Rules and Regulations, Article III, Air Resources promulgated thereunder.