

Commonwealth of Pennsylvania  
Department of Environmental Resources  
Bureau of Air Quality Control

**RACT APPROVAL**  
**Revised**

**PERMIT NUMBER :OP 37-003**

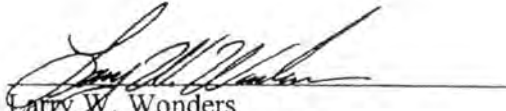


Owner:	ESSROC Cement Corp.	Source &	No. 4 and No. 5
Address:	P.O. Box 779	Air Cleaning	Cement Kilns (F.L.
	Bessemer, PA 16112	Device	Smidth Co. & Traylor Co)
			Electrostatic Precipitators
			(Koppers)
Attention:	Mr. James F. Litter	Location:	2nd St.
	Plant Manager		Bessemer Borough
			Lawrence County

In accordance with provisions of the Air Pollution Control Act, the Act of January 8, 1960, P. L. 2119, as amended, and with Chapter 127 of the Rules and Regulations of the Department of Environmental Protection, the Department on **March 31, 1999** revised the RACT Approval issued on **July 27, 1995** for achieving compliance by the above indicated air contamination source(s) with the requirements of 25 Pa Code Section 129.91 through 129.95.

The operating permit is subject to the following conditions:

1. The facility is to be operated in accordance with the plan submitted with the application (as approved herein).
2. The facility shall implement the Revised RACT upon receipt.
3. See attached.

  
Larry W. Wonders  
Regional Air Quality Manager

4. NOx CEM requirements, as defined in existing Plan Approvals, Operating Permits, and applicable requirements of the Rules and Regulations of the Department, shall be incorporated into this operating permit.
5. NOx emissions from Kiln No. 4 shall not exceed 340 pounds per hour, based on a 30 day rolling average.
6. NOx emissions from Kiln No. 5 shall not exceed 476 pounds per hour, based on a 30 day rolling average.
7. Compliance with the NOx emission limits defined in condition No. 5 and No. 6 shall be shown through Department approved NOx CEM data.
8. The owner/operator shall, to the extent possible or practicable, maintain and operate the kilns in a manner consistent with good air pollution control and combustion control practices for minimizing the emissions of NOx, by maintaining the following operating parameters within the most recent NOx emission evaluation: 1) the excess oxygen introduced into the combustion zone of the kiln, 2) the combustion primary air, and 3) the CKD insufflation rate. The owner/operator shall conduct a NOx emission evaluation to determine the normal operating ranges for the above listed operating parameters. The initial NOx evaluation shall be submitted to the Department for review within 30 days of the date of the RACT permit issuance date. Subsequent NOx evaluations shall be submitted to the Department for review prior to incorporation of the operating parameters. The facility shall post determined operating ranges for the process controls from applicable NOx evaluations in the control room. Deviations from normal operating ranges shall be addressed as soon as possible after the occurrence.
9. The facility shall maintain records of the identified process controls in condition No. 5. Records shall be maintained onsite in accordance with 25 Pa Code Section 129.95, and shall be made available to the Department upon request. Deviations or changes in the normal operating parameters, reasons for the deviations, and corrections to the deviations shall be submitted to the Department within 30 days of occurrence. Excursions from normal operating parameter ranges shall not in themselves constitute a violation of this permit; however, failure to take corrective action as required may be considered a violation.
10. The facility shall maintain records of operator training sessions conducted on the issues of process controls concerning NOx RACT, including topics covered, training dates and times, and attendees. Records shall be maintained in accordance with 25 Pa Code Section 129.95, and shall be made available to the Department upon request.