

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



RACT APPROVAL

PERMIT NUMBER :OP 25-025

Owner:	General Electric Transportation Systems	Source&	See
Address:	2901 East Lake Rd.	Air Cleaning	Attached
	Erie, PA 16531	Device	Page 3
Attention:	Mr. Scott Gowdy Environmental Engineer	Location:	2901 E. Lake Rd. Lawrence Park Twp. Erie 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 Resources, the Department on **DEC 21 1994** approved plans 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. See attached.

  
Larry W. Wonders  
Regional Air Quality Manager

2. Implementation of NO<sub>x</sub> emissions cap must be started no later than January 1, 1995.
3. NO<sub>x</sub> emissions for Boiler #s 2, and 9 shall not exceed 840 tons/yr, and 485 tons/yr, respectively. Boiler # 1 and Boiler # 5 shall not exceed a combined NO<sub>x</sub> emission limit of 415 tons/yr. On an individual basis, the NO<sub>x</sub> emissions limit of Boiler # 1 and Boiler #5 shall not exceed 400 tons/yr and 351 tons/yr, respectively.
4. NO<sub>x</sub> emissions for Boiler #s 1, 2, 5, and 9, shall not exceed 0.59 lbs/MMBTU, 1.01 lbs/MMBTU, 0.59 lbs/MMBTU, and 0.59 lbs/MMBTU respectively, based on 30 day rolling average emission rate.
5. General Electric shall not operate the Cyclone Boiler (Boiler #2) for the months of June through October of each year during the ozone season.
6. The company shall submit quarterly report for Boiler Nos. 1, 2, 5, and 9 indicating the quarterly NO<sub>x</sub> emissions and coal consumption and cumulative total for the year for each boiler.
7. Continuous emission monitor for the combined stack of all four boilers (Boiler Nos. 1, 2, 5, and 9) pertaining to the NO<sub>x</sub> emissions, shall be operated and maintained in accordance with 25 Pa Code Chapter 139 and with the Department's "Continuous Source Monitoring Manual" (Revision No. 5 - March 1993), and be approved by the Department
8. General Electric shall maintain records as follows:
  - (a) The Company shall maintain records in accordance with the record keeping requirements of 25 Pa Code, Section 129.95
    - (1) The records shall provide sufficient data and calculations to clearly demonstrate that the requirements of 25 Pa Code, Sections 129.91-94 are met and verify Condition #s 3 and 4.
    - (2) Records shall be retained for at least 2 years and shall be made available to the Department on request.
  - (b) 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.
9. This RACT approval applies to the emissions of NO<sub>x</sub> and VOC pollutants only. Emissions of other pollutants, including criteria pollutants, shall be governed by existing Plan Approvals, Operating Permits, and the applicable requirements of the Rules and Regulations of the Department. ~~Such approval, permits, and requirements are incorporated herein by reference and made part of this permit.~~
10. Any information required to be submitted as part of the above conditions should be submitted to Mr. Devendra Verma, Chief, Engineering Services, Air Quality Control, Northwest Regional Office, 1012 Water St., Meadville, Pa 16335.

**SOURCE AND AIR CLEANING DEVICE**

Coal fired Boiler #1 (226 MMBTU/hr) (Babcock & Wilcox)

Coal fired Boiler #2 (420 MMBTU/hr) (Babcock & Wilcox)

Coal fired Boiler #5 (152 MMBTU/hr) (Combustion Engineering)

Coal fired Boiler #9 (249 MMBTU/hr) (Babcock & Wilcox)



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL RESOURCES  
SOUTHCENTRAL REGION - FIELD OPERATIONS  
AIR QUALITY CONTROL PROGRAM

28 1994  
DEPT. AIR QUALITY CONTROL  
DIV. OF PERMITS

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: 67-2001 Source & Air  
Cleaning Device: Refractory Production Facility

Owner: J. E. Baker Company  
232 East Market Street

Address: P.O. Box 1189  
York, PA 17405-1189

Attention: Mr. Ronald O. Downey Location: West Manchester Township  
Manager, Environmental Engineering York County

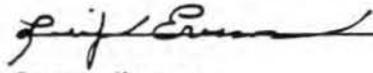
This permit is subject to the following conditions:

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 Reasonably Available Control Technology (RACT) plan;
  - 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.
3. This operating permit is valid for a limited time only and may be renewed before its expiration. Requests for an operating permit renewal must be in writing and must be accompanied by a fee in the amount of \$500 payable to the "Commonwealth of Pennsylvania - Clean Air Fund." The request should be made on the attached Interim Application for Renewal of a Permit to Operate form and must be received by the Department along with a completed Compliance History form (attached) no later than SEP 1 1999.
4. See attached.

Failure to comply with the conditions placed on this permit is a 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: December 22, 1994

~~Expires: November 30, 1999~~

  
Program Manager

Southcentral Region 67-2001  
York District  
Permits

PERMIT NO. 67-2001

J. E. BAKER COMPANYConditions, Continued

4. This permit constitutes a RACT determination for oxides of nitrogen (NO<sub>x</sub>) emissions as per 25 Pa. Code, Sections 129.91 and 129.92 for the following sources and operations at the J. E. Baker/DBCA Refractory facility:

<u>Source</u>	<u>Manufacturer</u>	<u>AIMS ID#</u>
No. 1 Rotary Kiln	Fuller	109
No. 2 Rotary Kiln	KVS	110
Rotary Dryer	Simplicity	103
Well Block Oven and Incinerator	Saxton Air Systems	121
Pellet Dryer	-	122
Despatch Oven and Incinerator	-	801
No. 5 Tunnel Kiln	British Ceramic Society	810
No. 6 Tunnel Kiln	Swindler-Dressler	820
No. 7 Periodic Kiln and Incinerator	Bickley	830
Electric Oven and Incinerator	Eisenmann	-
Stationary I.C. Engines	-	-

5. This permit supercedes and incorporates the requirements of the following plan approvals and operating permits:

67-309-035	67-309-082
67-309-042A	67-309-086
67-309-066A	

6. All combustion sources listed in Condition 4 above, except for the Nos. 1 and 2 rotary kilns, must comply with the requirements of 25 Pa. Code, §129.93(c).
7. NO<sub>x</sub> emissions from the No. 1 rotary kiln shall not exceed 34.0 pounds of NO<sub>x</sub> per ton of product.
8. NO<sub>x</sub> emissions from the No. 2 rotary kiln shall not exceed 38.0 pounds of NO<sub>x</sub> per ton of product.
9. The Department reserves the right to amend the emission rates in Conditions 7 and 8 above as necessary based upon information collected in accordance with Condition 10 below.
10. NO<sub>x</sub> emissions from the No. 1 and No. 2 rotary kilns shall be verified annually by testing during the period from May 1st through October 31st or by some other means approved by the Department for each year authorized by the operating permit or its renewal. This testing shall begin in calendar year 1995 and shall be conducted in accordance with the provisions of Chapter 139 of the Department's rules and regulations.

PERMIT NO. 67-2001

J. E. BAKER COMPANY

Conditions, Continued

11. An annual report as per Section 129.95 containing, but not limited to, the following data for each fuel-burning unit complying with 25 Pa. Code, §129.93(c) shall be submitted to the York District Supervisor:
  - a. identification of each source
  - b. hours of operation per quarter
  - c. fuel combusted per quarter
  - d. fuel analysis for each fuel shipment received
  - e. pounds of NO<sub>x</sub> emitted per quarter

The report for each January 1 through December 31 period is due no later March 1 of the following year for each year authorized by the operating permit or its renewal.

