

COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL RESOURCES  
SOUTHWEST REGION - FIELD OPERATIONS  
AIR QUALITY CONTROL  
400 WATERFRONT DRIVE  
PITTSBURGH, PENNSYLVANIA 15222-4745

2/11/96  
V. 245  
S/P

RACT OPERATING PERMIT

In accordance with provisions of the Air Pollution Control 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.: 65-000-016  
Owner: Latrobe Steel Company  
Address: 2626 Ligonier St., P.O. Box 31  
Latrobe, PA 15650  
Attention: Thomas K. Everett  
Manager-Safety & Health

Source: Specialty Steel Manufacturing  
Air:  
Cleaning:  
Devices:  
Plant: Latrobe Plant  
Location: Latrobe Borough  
County: Westmoreland

RECEIVED  
Office of Air Quality Resources  
Section (SAF21)

This permit is subject to the following conditions:

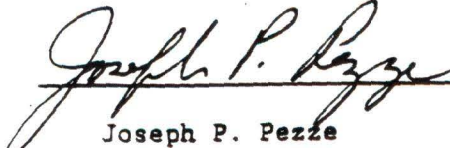
- 1) That the source and any associated air cleaning devices are to be:
- (a) operated in such a manner as not to cause air pollution;
  - (b) operated and maintained in a manner consistent with good operating and management practices.
- 2) This permit valid only for the specific equipment, location and owner named above.
- 3) See attached.

MAR 26 1996

EPA REGION III

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: 12/22/95

  
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Joseph P. Pezze  
Regional Air Quality Manager  
Southwest Region

~~Permit Term: 12/22/95 - 12/22/00~~

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## Special Conditions

3. This RACT Operating Permit approves the Reasonably Available Control Technology (RACT) proposal submitted by Latrobe Steel Company (LSC) for the their facility in the Borough of Latrobe, Westmoreland County.
4. The Approval does not waive, either expressly or by implication any existing or previous Plan Approval or Operating Permit Conditions or requirements issued to the Owner/Operator of the source.
5. The following sources shall comply with the emission limits listed below:

<u>Source</u>	<u>EMISSION LIMITS</u>		
	<u>lbs/ton</u>	<u>lbs/MMBTU</u>	<u>tons/yr</u>
EAF A, Melt Shop	0.52	N/A	14.5
EAF B, Melt Shop	0.52	N/A	21.7
No. 1 Carbottom Furnace, Melt Shop	N/A	0.12	15.6
No. 2 Carbottom Furnace, Melt Shop	N/A	0.12	15.6
No. 7 Carbottom Furnace, Mesta Press	N/A	0.12	15.6
No. 50 Carbottom Furnace, Mesta Press	N/A	0.12	13.7
Salem Walking Beam Furnace, Continuous Rolling Mill	N/A	0.12	46.3
Selas Barrel Furnace No. 1, Continuous Rolling Mill	N/A	0.12	35.7

6. The Department may revise the emission limits established above based on actual emission rates.
7. The six (6) combustion sources listed in Condition 5, above, shall implement the combustion system operating/maintenance procedures as described in the RACT proposal and in 25 Pa. Code Section 129.93(b)(2)&(3).
8. The Salem Walking Beam Furnace shall not operate more than 6,000 hours in any calendar year.
9. The TIV Boiler in the Melt Shop shall comply with the presumptive RACT requirements of 25 Pa. Code Section 129.93(b)(2)&(3). The remaining seventy-nine (79) combustion sources discussed in the RACT proposal with individual rated gross heat inputs less than 20 MMBTU/hr shall comply with the following presumptive RACT emission limitations as stated in 25 Pa. Code Section 129.93(c): "installation, maintenance and operation of the source in accordance with manufacturers specifications. The

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sources shall also be operated and maintained in accordance with good air pollution control practices."

10. For those sources specified in Conditions 7 and 9, above, LSC shall provide a report to the Department by May 31, 1996 detailing the schedule and methodology for compliance with the RACT requirements.
11. A minimum of one (1) stack test in accordance with 25 PA Code Chapter 139 and the Department's Source Testing Manual shall be performed on the sources listed in Condition 5 during the five year Operating Permit to verify the emission rates for NOx (as NO2) and CO. Testing shall be conducted while sources are operating under normal operating conditions during the ozone season (April to October).
12. The sources listed in Condition 5, except EAFs A and B, shall be stack tested annually to verify the rates of NOx (as NO2) and CO through either an EPA Method stack test or through the use of portable monitors. Testing shall be conducted while sources are operating under normal operating conditions during the ozone season (April to October).
13. For those tests utilizing portable monitors, LSC shall submit a complete operating procedure including calibration, QA/QC, and emissions calculation methods to the Department at least 60 days prior to the stack test specified in Condition 11, above. The accuracy of the portable analyzer readings shall be verified by operation and recording of readings during the EPA method stack testing of Condition 11. Results from stack tests using portable analyzers shall be retained at the test location and provided annually with the emission statements and at other times as requested by the Department.
14. LSC shall submit a pre-test protocol to the Department for approval at least sixty (60) days prior to the stack test.
15. The Department shall be notified at least two weeks in advance of the date and time of the stack test so that an observer may be present.
16. Two copies of the stack test results shall be supplied to the Department for review within sixty (60) days of completion of testing.
17. LSC shall maintain records in accordance with the recordkeeping requirements of 25 Pa. Code Section 129.95. At a minimum, the following records shall be kept: operating hours, fuel consumption, and production

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throughput. These records shall be maintained on file at the facility for not less than two years and shall be made available to the Department upon request.

18. Emission reductions of the targeted contaminant(s) below the level specified in this approval which are achieved by optimizing the effectiveness of equipment installed pursuant to this operating permit are not surplus emission reductions, and thus, may not be used to generate Emission Reduction Credits. In order for the emission reductions to be creditable the emission reductions must satisfy the requirements of 25 Pa. Code Chapter 127, Subchapter E.
19. The RACT requirements shall be implemented as expeditious as practicable but no later than May 31, 1996.
20. This Operating Permit is valid for a limited time only and may be renewed pursuant to 25 PA Code Section 127.446 before its expiration. An application for an operating permit renewal shall be submitted at least 6 and not more than 18 months before expiration of the existing permit. The application must be complete and accompanied by the permit fees required by Subchapter I of 25 PA Code Chapter 127. The source may not be operated without a valid operating permit. Operation of the source without an appropriate permit from the Department may subject the company to enforcement action.