



COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AIR QUALITY PROGRAM

TITLE V/STATE OPERATING PERMIT

Issue Date:

February 26, 2020

Effective Date:

February 26, 2020

Expiration Date:

In accordance with the provisions of the Air Pollution Control Act, the Act of January 8, 1960, P.L. 2119, as amended, and 25 Pa. Code Chapter 127, the Owner, [and Operator if noted] (hereinafter referred to as permittee) identified below is authorized by the Department of Environmental Protection (Department) to operate the air emission source(s) more fully described in this permit. This Facility is subject to all terms and conditions specified in this permit. Nothing in this permit relieves the permittee from its obligations to comply with all applicable Federal, State and Local laws and regulations.

The regulatory or statutory authority for each permit condition is set forth in brackets. All terms and conditions in this permit are federally enforceable applicable requirements unless otherwise designated as "State-Only" or "non-applicable" requirements.

TITLE V Permit No: 65-00016

Federal Tax Id - Plant Code: 25-0610595-1

Owner Information

Name: LATROBE SPECIALTY METALS A CARPENTER CO

Mailing Address: PO BOX 31

2626 LIGONIER ST LATROBE, PA 15650-0031

Plant Information

Plant: LATROBE SPECIALTY METALS/ A CARPENTER CO

Location: 65

Westmoreland County

65004 Latrobe Borough

SIC Code: 3312 Manufacturing - Blast Furnaces And Steel Mills

Responsible Official

Name: PIETER VANDERWESTHUIZEN

Title: VP & GEN MGR Phone: (484) 507 - 2152

Permit Contact Person

Name: PATRICK MARSHALL

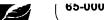
Title: EH&S MGR Phone: (724) 532 - 6419

[Signature]

MARK R. GOROG, P.E., ENVIRONMENTAL PROGRAM MANAGER, SOUTHWEST REGION



Pages 2-33, 35-68, 70, 72-130, and 134-147 are redacted entirely.





Source ID: 101

Source Name: ELECTRIC ARC FURNACE (FURNACE B)

Source Capacity/Throughput:

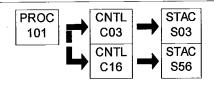
15.000 Tons/HR

STEEL

Conditions for this source occur in the following groups: G05

G06

G13



RESTRICTIONS.

Emission Restriction(s).

002 [25 Pa. Code §129.99]

Alternative RACT proposal and petition for alternative compliance schedule.

Emissions from Control Device C16, EAF VOEST ALPINE BAGHOUSE stack, shall not exceed the following:

NOx = 19.5 lbs/hr

CO = 44.1 lbs/hr

VOC = 5.4 lbs/hr

#003 [25 Pa. Code §129.99]

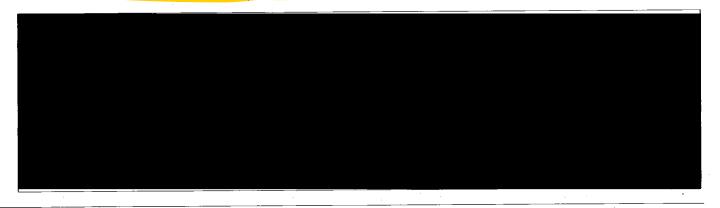
Alternative RACT proposal and petition for alternative compliance schedule.

For purposes of determining potential to emit, allowable emissions from Control Device C16, EAF VOEST ALPINE BAGHOUSE stack, are based upon a maximum annual steel production capacity of 87,600 tons and 8,760 operating hours per year and shall not exceed the following:

NOx = 60.4 tons/yr in any consecutive 12-month period

CO = 162.6 tons/yr in any consecutive 12-month period

VOC = 23.4 tons/yr in any consecutive 12-month period







Source ID: 116

Source Name: MELT SHOP-#1 CARBOTTOM FURNACE

Source Capacity/Throughput:

29.600 MMBTU/HR

1.000 Tons/HR

STEEL

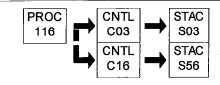
29.600 MCF/HR

NATURAL GAS

Conditions for this source occur in the following groups: G05

G07

G10



RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

NOx emissions for this source shall not exceed the following:

0.12 lbs/MMBtu heat input

4.9 tons per consecutive 12-month period



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Source ID: 117

Source Name: MELT SHOP-#2 CARBOTTOM FURNACE

Source Capacity/Throughput:

29.600 MMBTU/HR

1.000 Tons/HR

29.600 MCF/HR

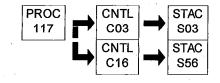
Natural Gas

STEEL

Conditions for this source occur in the following groups: G05

G07

G10



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

NOx emissions from this source shall not exceed the following:

0.12 lbs/MMBtu heat input

4.9 tons/consecutive 12-month period







Group Name:

G13

Group Description: RACT II Alternative RACT Proposal 129.99

Sources included in this group

ID	Name
101	ELECTRIC ARC FURNACE (FURNACE B)
102	AOD VESSEL REFINING

III. MONITORING REQUIREMENTS.

[25 Pa. Code §129.99]

Alternative RACT proposal and petition for alternative compliance schedule.

The permittee shall perform a daily inspection to ensure that all good operating practice techniques are being followed in order to limit the availability of free nitrogen in the electric arc furnace (EAF) atmosphere including, but not limited to, controlling exhaust flows to limit air ingress into the EAF, achieving maximum air-tightness of the EAF by closing the slag door, and making sure the oxygen supply to the lance is free of nitrogen.





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[25 Pa. Code §129.99] Alternative RACT proposal and petition for alternative compliance schedule. The permittee shall maintain records of the daily inspections being performed to ensure that all good operating practice techniques are being followed in order to limit the availability of free nitrogen in the electric arc furnace (EAF) atmosphere including, but not limited to, controlling exhaust flows to limit air ingress into the EAF, achieving maximum air-tightness of the EAF by closing the slag door, and making sure the oxygen supply to the lance is free of nitrogen. These records shall

be maintained on site for a minimum of five (5) years and be made available to the Department upon request.





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VI. WORK PRACTICE REQUIREMENTS.

004 [25 Pa. Code §129.99]

Alternative RACT proposal and petition for alternative compliance schedule.

- (a) The owner or operator of an air contamination source subject to § 129.97 (relating to presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule) located at a major NOx emitting facility or major VOC emitting facility subject to § 129.96 (relating to applicability) that cannot meet the applicable presumptive RACT requirement or RACT emission limitation of § 129.97 may propose an alternative RACT requirement or RACT emission limitation in accordance with subsection (d).
- (b) The owner or operator of a NOx air contamination source with a potential emission rate equal to or greater than 5.0 tons of NOx per year that is not subject to § 129.97 or §§ 129.201—129.205 (relating to additional NOx requirements) located at a major NOx emitting facility subject to § 129.96 shall propose a NOx RACT requirement or RACT emission limitation in accordance with subsection (d).

In accordance with the case-by-case RACT determination procedures of 129.99, RACT for Sources 101 and 102 is the maintenance and operation of this source in accordance with manufacturer's specifications and the continued use of good operating practices and techniques to limit the availability of free nitrogen to limit NOx formation.

005 [25 Pa. Code §129.99]

Alternative RACT proposal and petition for alternative compliance schedule.

The permittee shall utilize all good operating practice techniques according to the Department to limit the availability of free nitrogen in the electric arc furnace (EAF) atmosphere including, but not limited to, controlling exhaust flows to limit air ingress into the EAF, achieving maximum air-tightness of the EAF by closing the slag door, and making sure the oxygen supply to the lance is free of nitrogen.