



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

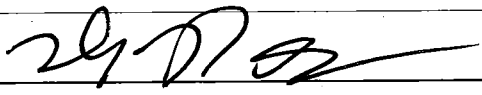
Expiration Date: XXXXXXXXXX

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.

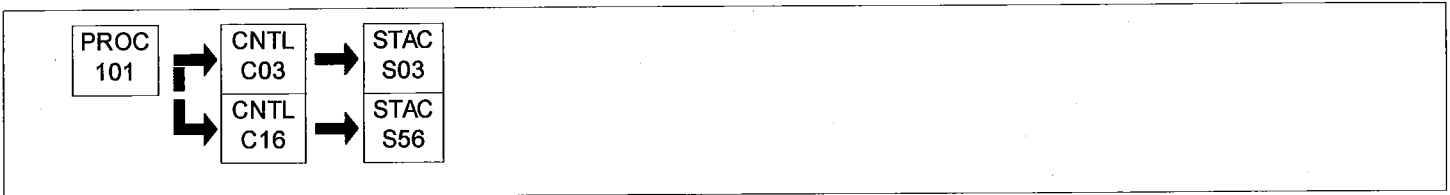
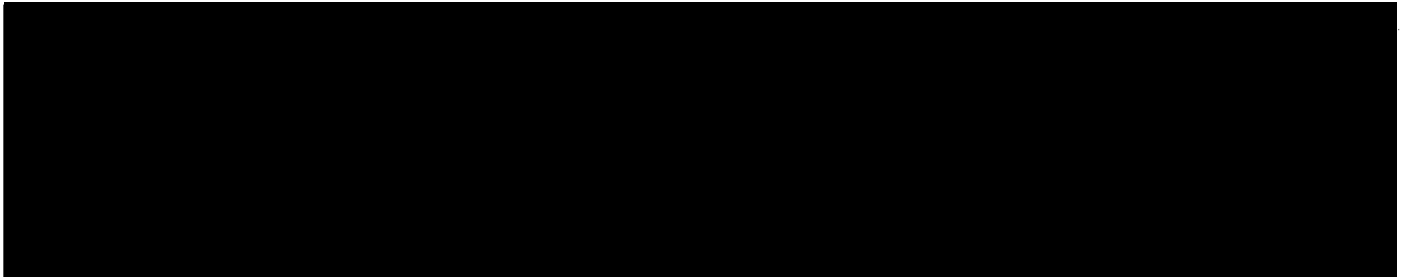


Source ID: 101

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

**I. 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:

NO_x = 19.5 lbs/hr

CO = 44.1 lbs/hr

VOC = 5.4 lbs/hr

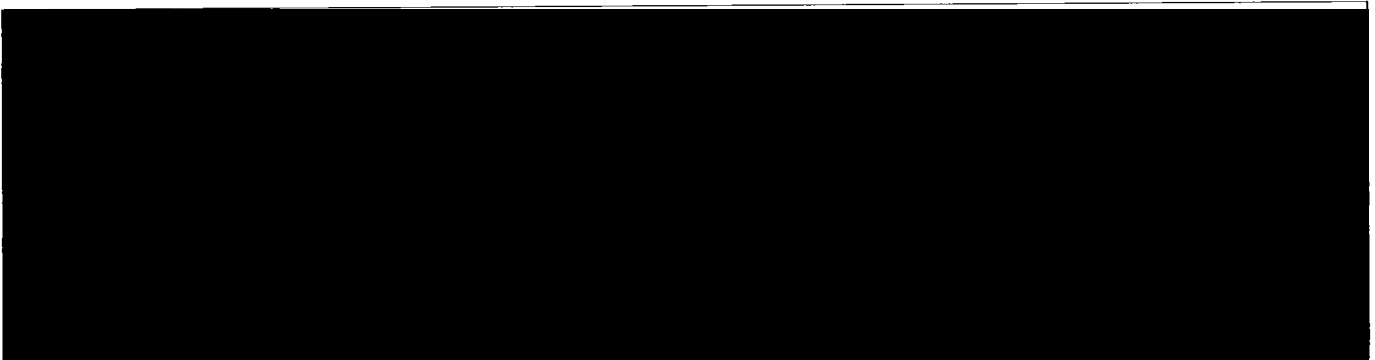
003 [25 Pa. Code §129.99]**Alternative RACT proposal and petition for alternative compliance schedule.**

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:

NO_x = 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

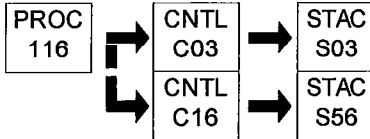
1.000 Tons/HR

STEEL

29.600 MCF/HR

NATURAL GAS

Conditions for this source occur in the following groups: G05
G07
G10

**I. 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

Source ID: 117

Source Name: MELT SHOP-#2 CARBOTTOM FURNACE

Source Capacity/Throughput: 29.600 MMBTU/HR

1.000 Tons/HR

STEEL

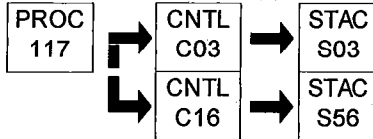
29.600 MCF/HR

Natural Gas

Conditions for this source occur in the following groups: G05

G07

G10

**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.

001 [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.



Latrobe Specialty Metals/A Carpenter Co.

003 [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.

