



State of New Jersey

Department of Environmental Protection

Air Quality, Energy and Sustainability

Division of Air Quality

Bureau of Stationary Sources

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Trenton, NJ 08625-0420

PHILIP D. MURPHY

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CATHERINE R. McCABE

Acting Commissioner

SHEILA Y. OLIVER

Lt. Governor

Air Pollution Control Operating Permit Significant Modification

Permit Activity Number: BOP150001

Program Interest Number: 18052

Mailing Address	Plant Location
MARK QUIRING VICE PRESIDENT GENERAL MANAGER GERDAU AMERISTEEL SAYREVILLE MILL PO BOX 249 - 1 N CROSSMAN RD Sayreville, NJ 08871-0249	GERDAU AMERISTEEL SAYREVILLE N Crossman Rd Sayreville Middlesex County

Initial Operating Permit Approval Date: September 23, 2002

Operating Permit Approval Date: March 26, 2018

Operating Permit Expiration Date: September 22, 2017

AUTHORITY AND APPLICABILITY

The New Jersey Department of Environmental Protection (Department) approves and issues this Air Pollution Control Operating Permit under the authority of Chapter 106, P.L. 1967 (N.J.S.A. 26:2C-9.2). This permit is issued in accordance with the air pollution control permit provisions promulgated at Title V of the Federal Clean Air Act, 40 CFR 70, Air Pollution Control Act codified at N.J.S.A. 26:2C and New Jersey State regulations promulgated at N.J.A.C. 7:27-22.

The Department approves this operating permit based on the evaluation of the certified information provided in the permit application that all equipment and air pollution control devices regulated in this permit comply with all applicable State and Federal regulations. The facility shall be operated in accordance with the conditions of this permit. This operating permit supersedes any previous Air Pollution Control Operating Permits issued to this facility by the Department including any general operating permits, renewals, significant modifications, minor modifications, seven-day notice changes or administrative amendments to the permit.

Changes made through this permit activity are provided in the Reason for Application.

PERMIT SHIELD

This operating permit includes a permit shield, pursuant to the provisions of N.J.A.C. 7:27-22.17.

COMPLIANCE SCHEDULES

This operating permit does not include compliance schedules as part of the approved compliance plan.

COMPLIANCE CERTIFICATIONS AND DEVIATION REPORTS

BOP150001

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Emission Unit: U2 Billet reheat furnace firing natural gas for reheating steel billets.

Operating Scenario: OS301 172.8 MMBTU/hr furnace firing natural gas for reheating steel billets.

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	NOx (Total) <= 17.3 lb/hr based on emission factor of 0.1 lb/MM Btu and maximum gross heat input. [N.J.A.C. 7:27-22.16(a)]	NOx (Total): Monitored by stack emission testing annually, based on the average of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)]	NOx (Total): Recordkeeping by stack test results annually. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: Annually. See OS Summary Reference 1 for details. [N.J.A.C. 7:27-22.16(o)]
2	NOx (Total) <= 0.1 lb/MMBTU ***This is a state-only facility specific applicable requirement pursuant to N.J.A.C.7:27-19.13. This requirement becomes federally enforceable upon the effective date of EPA's approval on NJDEP's source specific SIP revision as published in the Federal Register***. [N.J.A.C. 7:27-19.13(b)]	NOx (Total): Monitored by stack emission testing annually, based on the average of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)]	NOx (Total): Recordkeeping by stack test results annually. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: Annually. See OS Summary Reference 1 for details. [N.J.A.C. 7:27-22.16(o)]
3	TSP <= 6.5 lb/hr based on 0.02 gr/sefm and flow rate at maximum heat input. [N.J.A.C. 7:27-22.16(a)]	TSP: Monitored by stack emission testing prior to permit renewal, based on each of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)]	TSP: Recordkeeping by stack test results prior to permit renewal. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See OS Summary Reference 2 for details. [N.J.A.C. 7:27-22.16(o)]
4	PM-10 (Total) <= 6.5 lb/hr based on 0.02 gr/sefm and flow rate at maximum heat input. [N.J.A.C. 7:27-22.16(a)]	PM-10 (Total): Monitored by stack emission testing prior to permit renewal, based on the average of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)]	PM-10 (Total): Recordkeeping by stack test results prior to permit renewal. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See OS Summary Reference 2 for details. [N.J.A.C. 7:27-22.16(o)]
5	CO <= 6.6 lb/hr based on manufacturer's guarantee of 0.0382 lb/MMBtu at conditions of maximum heat input. [N.J.A.C. 7:27-22.16(a)]	CO: Monitored by stack emission testing annually, based on each of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)]	CO: Recordkeeping by stack test results annually. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: Annually. See OS Summary Reference 1 for details. [N.J.A.C. 7:27-22.16(o)]
6	SO2 <= 0.1 lb/hr based on AP-42 factor of 0.6 lb/MMsef and maximum heat input. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	VOC (Total) <= 0.45 lb/hr based on manufacturer's guarantee of less than 2.7 lb/MMsef VOC in the exhaust and maximum heat input. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Hexane (-n) <= 0.3 lb/hr based on AP-42 factor of 1.8 lb/MMsef and maximum heat input. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.