



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

TITLE V/STATE OPERATING PERMIT

Issue Date: January 29, 2020

Effective Date: February 1, 2020

Expiration Date: ~~January 31, 2025~~

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: 36-05019

Federal Tax Id - Plant Code: 02-0510023-1

Owner Information

Name: ANVIL INTL LLC
Mailing Address: 1411 LANCASTER AVE
COLUMBIA, PA 17512-1939

Plant Information

Plant: ANVIL INTL/COLUMBIA FKA GRINNELL
Location: 36 Lancaster County 36002 Columbia Borough
SIC Code: 3322 Manufacturing - Malleable Iron Foundries

Responsible Official

Name: BOB KIM
Title: GENERAL MGR
Phone: (717) 684 - 4400

Permit Contact Person

Name: GREG K WISE
Title: EHS MGR
Phone: (717) 684 - 4400

[Signature]

William R. Weaver

WILLIAM R. WEAVER, SOUTH CENTRAL REGION AIR PROGRAM MANAGER

Pages 2 - 95 and 98 - 101 are fully redacted

**SECTION E. Source Group Restrictions.**

Group Name: GROUP 008

Group Description: 129.99 CbC RACT II

Sources included in this group

RACT 2 SIP Provisions from Title V Permit No. 36-05019 Renewal issued 01-29-20 (pages 96-97 of permit)

ID	Name
199	ANNEALING
200	SHELL CORE
201	COREMAKING
203	COLDBOX COREMAKING
501	DISA POURING/CASTING
503	DISA CASTING/SHAKEOUT
601	SAVELLI POURING/CASTING
603	SAVELLI CASTING/SHAKEOUT

VII. ADDITIONAL REQUIREMENTS.

001

Alternative RACT proposal and petition for alternative compliance schedule.

I. Requirements for all sources under this group

a.) The facility shall operate and maintain the pouring casting/ cooling, annealing, shell core machines, coremaking, cold box coremaking, and shakeout operations in a manner consistent with good operating and maintenance practices. Good work practices include but are not limited to storing VOC-containing materials in closed tanks or containers, cleaning up spills, and minimizing cleaning with VOC compounds.

b.) The permittee shall demonstrate the VOC content of each binder and chemical used in the foundry operation by maintaining VOC data sheets from the manufacturer.

c.) The permittee shall maintain monthly records of the following. These records shall be maintained onsite for 5 years and shall be made available to the Department upon request.

**SECTION E Source Group Restrictions**

- i. The monthly amount of material processed in each source in tons, separately.
- ii. The monthly emissions of VOC emissions, in tons, for each source, separately and combined.

d.) The permittee shall submit reports to the Department no later than March 1 of each year. Each report shall include the VOC emissions for the previous operating year (January 1 to December 31).

II. Additional requirements for source 203

- a.) The permittee shall utilize the existing wet acid scrubber for controlling VOC emissions.
- b.) The scrubber shall be in operation at all times when one or more of the coldbox coremaking machines are in operation.
- c.) The permittee shall continuously measure and display the pressure drop across the scrubber, the scrubbing pH and the scrubber solution recirculation flow rate.
- d.) The permittee shall maintain records of all maintenance performed on the scrubber. These records shall be kept at the facility for a period of 5 years and be made available to the Department upon request.
- e.) The permittee shall record the following parameters once per week while the coldbox coremaking machine(s) are in operation: the pressure drop across the scrubber, the scrubbing pH and the scrubber solution recirculation flow rate. The permittee shall maintain these records for a period of 5 years and be made available to the Department upon request.

III. Source Specific Throughput Restrictions

- a.) The resin coated sand consumption from source 200, the shell core operation, shall not exceed 1,950 tons per 1 month period.
- b.) The resin coated sand consumption from source 201, coremaking, shall not exceed 1,500 tons per 1 month period.
- c.) The metal throughput to source 199, annealing operations, shall not exceed 7,000 tons per 1 month period.
- d.) The throughput to sources 501, 503, 601, 603, foundry operations, shall not exceed 20,500 tons of metal per 1 month period.
- e.) The resin consumption from source 203, coldbox coremaking operations, shall not exceed 7.6 tons per 1 month period.