



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
AIR QUALITY PROGRAM

**TITLE V/STATE OPERATING PERMIT**

Issue Date: March 24, 2020

Effective Date: April 1, 2020

Expiration Date: ~~March 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: 36-05053**

Federal Tax Id - Plant Code: 23-1387686-1

Owner Information

Name: BUCK CO INC  
Mailing Address: 897 LANCASTER PIKE  
QUARRYVILLE, PA 17566-9738

Plant Information

Plant: BUCK CO INC/QUARRYVILLE  
Location: 36 Lancaster County 36946 Providence Township  
SIC Code: 3322 Manufacturing - Malleable Iron Foundries

Responsible Official

Name: WILLIAM MOZES  
Title: HSE DIR  
Phone (717) 284 - 4114

Permit Contact Person

Name: WILLIAM MOZES  
Title: HSE DIR  
Phone: (717) 284 - 4114

[Signature] William R. Weaver  
WILLIAM R. WEAVER, SOUTHCENTRAL REGION AIR PROGRAM MANAGER

Pages 2- 88 are fully redacted

**SECTION E. Source Group Restrictions.**

Group Name: GROUP 008  
Group Description: RACT 2 Case-by case  
[Sources included in this group](#)

**RACT 2 SIP Provisions from Title V Permit No.  
36-05053 Renewal issued 3/24/20  
(pages 89-90 of permit)**

ID	Name
103A	CASTING SHAKEOUT N/F
106	POURING/CASTING-FERROUS
107	SHAKEOUT - FERROUS

**VII. ADDITIONAL REQUIREMENTS.**

# 001

**Alternative RACT proposal and petition for alternative compliance schedule.**

The following constitutes a case-by-case RACT 2 determination for the affected sources:

I. Source 103A Non-Ferrous Foundry Shakeout  
Source 106 Ferrous Foundry Pouring/Casting  
Source 107 Ferrous Foundry Shakeout

(a) The metal throughput to the affected sources shall not exceed the following amounts per 12-consecutive-month period:

- (1) Source 103A Non-Ferrous Foundry Shakeout: 28,000 tons
- (2) Source 106 Ferrous Foundry Pouring/Casting: 101,178 tons
- (3) Source 107 Ferrous Foundry Shakeout: 101,178 tons

(b) The permittee shall maintain and adhere to an operation and maintenance plan for the above sources, which shall address good operation and maintenance practices for the minimization VOC emissions. The operation and maintenance plan shall include at least the following:

- (1) For each segregated scrap storage area, bin or pile, the permittee shall either comply with the certification requirements in paragraph (1)(i) of this section, or prepare and implement a plan for the selection and inspection of scrap according to

**SECTION E. Source Group Restrictions.**

the requirements in paragraph (1)(ii) of this section. Scrap that is subject to (1)(i) vs. (1)(ii) shall remain segregated until charge make-up. The permittee shall not charge material for melting that is not managed according to either (1)(i) or (1)(ii).

(i) For scrap that the permittee manages under certification requirements, the permittee shall maintain supplier certifications that the scrap includes only metal ingots, pig iron, slitter, or other materials that do not include plastics, or free organic liquids. Any post-consumer engine blocks, post-consumer oil filters, or oily turnings that are processed and/or cleaned to the extent practicable such that the materials shall not include plastics or free organic liquids, may be included in this certification.

(ii) For scrap that the permittee manages under a scrap management plan, the permittee shall prepare and operate at all times according to a written plan for the selection and inspection of metal scrap to minimize, to the extent practicable, the amount of organics in the charge materials used by the facility. The permittee shall keep a copy of the plan onsite and readily available to DEP and to all plant personnel with materials acquisition or inspection duties, and shall provide a copy of the material specifications to each of its scrap vendors.

(2) The permittee shall implement procedures for igniting gases from mold vents in pouring areas and pouring stations that use a sand mold system, as follows:

(i) An ignition source shall be provided for the mold vents of sand mold systems in each pouring area and pouring station unless it is determined that the mold vent gases either are not ignitable, ignite automatically, or cannot be ignited due to accessibility or safety issues.

(ii) Documentation shall be maintained regarding determinations of mold vent categories under (i), above.

(iii) The determination of ignitability will be based on observations of the mold vents within 5 minutes of pouring, and the flame will be present for at least 15 seconds for the mold vent to be considered ignited. For the purpose of this determination:

(A) Mold vents that ignite more than 75 percent of the time without the presence of an auxiliary ignition source are considered to ignite automatically; and

(B) Mold vents that do not ignite automatically and will not be ignited in the presence of an auxiliary ignition source more than 25 percent of the time will be considered to be not ignitable.

(iv) The permittee shall keep adequate records to demonstrate compliance with mold vent ignition requirements.

(c) The permittee shall maintain records of any maintenance or modifications performed on above sources

(d) The permittee shall calculate and record the actual fuel and/or process thruput amounts, and actual monthly and 12-month rolling VOC emissions from the above sources.

(e) The permittee shall maintain written documentation of the items in (c)-(d) above for five years. The records shall be made available to the Department upon written request pursuant to 25 Pa. Code §129.100(d) and (i).