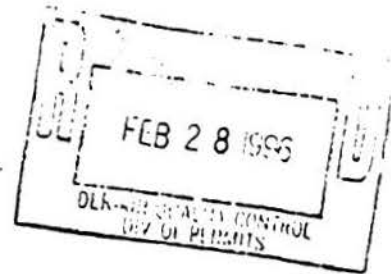


Commonwealth of Pennsylvania
Department of Environmental Protection
Bureau of Air Quality Control

RACT APPROVAL

PERMIT NUMBER: PA 10-001-M



Owner: Armco Inc. Source & Sec page 5
Address: Butler Operations Main Plant Air Cleaning
P O Box 832 Device
Butler, PA 16003

Attention: Mr. Terrance L. BeCraft Location: Route 8 South
Gen. Manager-Butler Operations Butler County

In accordance with provisions of the Air Pollution Control Act, the Act of January 8, 1960, P. L. 2119, as amended, and with Chapter 127 of the Rules and Regulations of the Department of Environmental Protection, the Department on **FEB 23 1996** approved plans for achieving compliance by the above indicated air contamination source(s) with the requirements of 25 Pa Code Section 129.91 through 129.95.

The operating permit is subject to the following conditions:

1. The facility is to be operated in accordance with the plan submitted with the application as approved herein.
2. Armco Inc., Butler Operations Main Plant shall implement the RACT Plan by May 31, 1995, as defined in 25 PA Code Section 129.91. The implementation schedule may be extended only upon the execution and approval of a Consent Decree between Armco Inc. and the Department.
3. See attached.


Larry W. Wonders
Regional Air Quality Manager

4. The NO_x emission limit for the No. 3 baghouse inlet shall not exceed 75 lb/hr. The NO_x emissions from the No. 3 baghouse include contributions from the electric arc furnaces, casters, east argon stirring station, ladle preheaters, and various miscellaneous combustion sources located within the Melt Shop Building. Compliance with this NO_x emission limit shall be monitored by conducting an annual stack testing program. The annual stack testing program shall consist of a minimum of three 8 hour stack tests utilizing a Department approved method. The results of all stack tests shall be averaged and compared with the emission limitation to show compliance.
5. The average NO_x emission rate of pickle lines #2, #4, #12, #23 shall not exceed 1.0 lb/ton. Compliance with this NO_x emission rate shall be monitored by conducting an annual stack testing program. The annual stack testing program shall consist of a minimum of two stack tests per pickle line utilizing a Department approved method. The results of all stack tests shall be averaged and compared with the emission limitation to show compliance.
6. At least sixty (60) days before the scheduled stack test, two (2) copies of the stack test procedure and a sketch with dimensions indicating the location of sampling ports and other data to ensure the collection of representative samples shall be submitted to the Department for approval.
7. Stack tests shall be performed to determine the NO_x emission rate of the following:
 - a. #3 baghouse inlet
 - b. Pickle lines (#2, #4, #12, and #23)
8. At least two (2) weeks prior to the test, the Department shall be informed of the date and time of the test.
9. Within sixty (60) days after completion of the test, two copies of the complete test report, including all operating conditions shall be submitted to the Department for approval.
10. Instrumentation shall be installed to monitor scrubber liquid flow rates and scrubber pressure drops on #4 and #23 Pickle Line.
11. AOD; Vacuum Degas; #1-6 Ladle Preheaters; #2-3 Continuous Caster; #20 and #26 Carlite; #1, #6, #11, #19 Decarb & Drying Furnace, and **CRNO Dryer** shall comply with the requirements of 25 Pa Code Section 129.93(c)(1). The sources shall also be operated and maintained in accordance with good air pollution control practices.
12. #4 and #7 Anneal Furnace, CRNO Furnace, and #19/20 Boiler shall comply with the requirements of 25 Pa Code Section 129.93(b)(3). The sources shall also be operated and maintained in accordance with good air pollution control practices.
13. #2 and #12 Anneal Furnaces shall comply with the requirements of 25 Pa Code 129.93(b)(3). The sources shall also be operated and maintained in accordance with good air pollution control practices.
14. Annual fuel consumption shall be limited to 700,000 MCF, 600,000 MCF, 600,000 MCF, and 600,000 MCF for #5, 6, 7, 8 HMSIab Furnaces.
15. Annual fuel consumption shall be limited to 300,000 MCF, 300,000 MCF, 185,000 MCF, and 250,000 MCF for Boilers #9, 10, 11, 15.

16 For all combustion sources, annual burner maintenance, adjusting and testing will be performed in accordance with the requirements of 25 Pa Code Section 129.93(b)(3). All records shall be retained for at least two years and shall be made available to the Department upon request.

17 This RACT approval applies to the emission of NOx pollutants only. Emission of other pollutants shall be governed by the existing Plan Approvals, Operating Permits, and applicable Rules and Regulations of the Department. Such approval, permits, and requirements are incorporated herein by reference and made part of this permit.

Source	Control Device
#2, #3, #4 EAF	#3 baghouse
AOD	#1 and #2 baghouse
Vacuum Degas	-
#1-6 Ladle Preheaters	#3 baghouse
#2 and #3 Continuous Caster	#3 baghouse
#20 and #25 Carlite	Acid fume scrubber
#1, #5, #11, #13 Decarb and Drying Furnace	-
CRNO Dryer	-
#4 and #7 Anneal Furnace	-
CRNO Furnace	-
#19/20 Boulder	-
#5-8 HM Slab Furnace	-
#2 and #12 Anneal Furnace	-
#9, #10, #11, #15 Boulder	-
Misc. Combustion Units	-
#2 and #12 Pickle Line	Acid fume scrubbers
#4 and #23 Pickle Line	Acid fume scrubbers

