

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

**RACT APPROVAL  
 REVISED  
 PERMIT NUMBER :PA 61-016**

Owner:	Pennzoil Products Company	Source &	see page 4
Address:	2 Main Street Rouseville, PA 16344	Air Cleaning Device	
Attention:	Mr. Stephen L. Rowland Vice President	Location:	Rouseville Venango 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 Resources, the Department on May 23, 1997 approved plans for installation of the above indicated air contamination source(s) and for achieving compliance with the requirements of 25 Pa Code Section 129.91 through 129.95.

The plan approval is subject to the following conditions:

1. The pollution control devices are to be installed in accordance with the plan submitted with the application (as approved herein).
2. Pennzoil 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 Pennzoil and the Department.
3. See attached.

  
 Luzzy W. Wonders  
 Regional Air Quality Manager

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3. This RACT Plan Approval supersedes the previous PA 61-016 issued on July 27, 1995.
4. The dewaxing filters and dewaxing exchangers shall be added to the LDAR Program (25 PA Code Section 129.58) at the facility by May 31, 1995.
5. The presumptive NOx sources less than 20 MMBTU/hr and presumptive NOx sources with annual capacity factors of less than 5% shall be maintained and operated in accordance with manufactures specifications. These sources shall also be operated and maintained in accordance with good air pollution control practices.
6. The Dewaxing WFO Heater and boiler #1A (20-50 MMBTU/hr each) shall comply with the presumptive NOx RACT emissions limitations of 25 PA Code Section 129.93(b).
7. The NOx emissions from the combustion sources shall not exceed the following:

<u>Source</u>	<u>NOx Emission Limit</u>
boiler #2A	290 TPY, 66.2 #/hr
boiler #3A	290 TPY, 66.2 #/hr
boiler #4A	119.4 TPY 27.26 #/hr (#6oil) 63.4 TPY 14.47 #/hr (natural gas)
plant 2 reformer heater	33.8 TPY 7.72 #/hr
crude atmospheric heater	45.2 TPY 10.32 #/hr
boiler #8	39.4 TPY, 13.7 #/ton of coal
boiler #9	40.6 TPY, 13.7 #/ton of coal
boiler #10	51.6 TPY, 13.7 #/ton of coal

The ton per year (TPY) emission limits listed above are based on a 12 month rolling average.

8. Pennzoil shall perform the annual tuning/testing and record-keeping/reporting requirements specified for the 20-50 MMBTU/hr presumptive RACT sources (25 PA Code Section 129.93(b) as proposed in both the Plan Approval Application and the RACT Proposal for the sources in condition #7.
9. ~~Boilers 8, 9, and 10 were permanently taken out of service on April 15, 1992. The shutdown units are allowed to generate Emission Reduction Credits (ERCs) by meeting the requirements of Simple, Permanent, Quantified, and Federally Enforceable as defined in 25 Pa Code Section 127.207. These units will generate 131.6 tons of NOx credits.~~

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10. Boiler #2A and #3A are subject to 25 PA Code Section 129.91(i). To demonstrate compliance, Pennzoil shall perform annual NO<sub>x</sub> emission testing in accordance with the PA DER Source Testing Manual. The results shall be reported annually to the Department.
11. Within 30 days of the modification of boilers #2A and #3A, a test procedure and 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.
12. Within 60 days after the modifications have occurred on boiler #2A and #3A, stack tests shall be performed in accordance with the provisions of Chapter 139 to show compliance with the NO<sub>x</sub> emission limitations in condition #7. The stack tests shall be performed while the sources are operated at the maximum obtainable capacity.
13. At least two weeks prior to the test, the Department shall be informed of the date and time of the test.
14. Within 30 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.
15. The Department reserves the right to revise the emission limits established above based on actual emission rates and the emissions during stack testing.
16. The facility shall comply with the record-keeping requirements of 25 PA Code Section 129.95.
17. This RACT approval applies to the emission of NO<sub>x</sub> and VOC pollutants only. Emission of other pollutants shall be governed by the existing Plan Approvals, Operating Permits, and applicable requirements of the Rules and Regulations of the Department. Such approval, permits, and requirements are incorporated herein by reference and made part of this permit.

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RACT Source	RACT Control
boiler 2A	LNB
boiler 3A	80 %fuel switch to low nitrogen oil
boiler 4A	annual tuncup/testing
boiler 1A	presumptive 129.93(b)
plant 2 ref heater	LNB (already implemented)
crude stras heater	annual tune-up/testing
3 coal boilers	
dewaxing heater	presumptive 129.93(b)
NOx sources <20MMBTU or annual capacity factor <5%	presumptive 129.93(c)
NOx sources >20and <50 MMBTU/hr	presumptive 129.93(b)
storage tanks	presumptive 129.56
wastewater separators	presumptive 129.55(a)
loading racks	presumptive 129.59, 129.62
vacuum-producing systems	presumptive 129.55(c)
VOC pumps and compressors	presumptive 129.51 (a) and 129.55(b)
process unit turnarounds	presumptive 129.55(d)
dewaxing unit rotary vacuum filters	LDAR program
dewaxing scraped surface exchangers	LDAR program

Sources Out of Service

Boiler #8	63.6 MMBTU/hr	Union Iron Works Type "O" Spreader Stoker
Boiler #9	63.6 MMBTU/hr	Union Iron Works Type "O" Spreader Stoker
Boiler #10	63.6 MMBTU/hr	Union Iron Works Type "O" Spreader Stoker