

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

**RACT APPROVAL**

**PERMIT NUMBER :OP 10-037**

Owner:	Crompton Corporation	Source &	Boiler #7, Lo-Cat
Address:	100 Sonneborn Lane	Air Cleaning	Hydrogen Recovery
	Petrolia, PA 16050	Device	Unit Vent V-64
Attention:	Mr. Richard Fleeger	Location:	Fairview Twp. 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 Resources, the Department on **June 4, 2003** 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. See attached.

  
Larry W. Wonders  
Regional Air Quality Manager

Permit No: OP 10-137  
Company: Crompton Corporation

3. The facility shall comply with the following emission limits:

<u>Source</u>	<u>NOx limit</u>
Boiler #7 burning gas	0.180 #/MMBTU
Boiler #7 burning oil	0.40 #/MMBTU

5. RACT for the combustion unit listed in condition #3 shall consist of an annual adjustment or tune-up that will consist of an inspection, adjustment, cleaning or replacement of the fuel burning equipment, inspection and adjustment of the flame characteristics, and the inspection and adjustment of the air-to-fuel control system. The tune up shall be performed in accordance with the EPA document "Combustion Efficiency Optimization Manual for Operators of Oil and Gas-Fired Boilers", EPA-340/1-83-023, September 1983.
6. The #7 boiler shall be tested annually by the facility with a Department approved portable analyzer. The Department may require annual stack tests in accordance with EPA reference methods pending the submission of the results from the portable analyzer. Separate test shall be performed to demonstrate compliance with the NOx emission rates for firing natural gas and firing oil, respectively.
7. The VOC emissions from the Low-Cat Hydrogen Recovery Unit Vent V-64 (Source 125) shall not exceed 9.29 #/hr.
8. Source 131 Utility Fractionator Unit Vent D-204 which had potential VOC emissions of 20.95 #/hr and 82.11 TPY (based on 7838 hours of operation) was shutdown in January 2002 and shall no longer be operated to demonstrate RACT for this source.
11. The facility shall comply with the record-keeping requirements of 25 PA Code Section 129.95.
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