

- (3) This Operating Permit incorporates Reasonable Available Control Technology (RACT) determinations for NOx and VOC's as required by Title I provisions of the CAAA, and 25 PA Code Section 129.91 through 129.95 for the sources listed below:
- (a) 1-gas/oil fired boiler and 1-oil fired boiler by Superior Combustion (3N-200HP) located in the R & D 1 Building.
 - (b) 2-gas/oil fired boilers by Kewanee (Model #200) located in the R & D 3 Building.
 - (c) 1-gas/oil fired boiler and 1-oil fired boiler by Cleaver-Brooks (CB-100-300) located in the R & D 2 Building.
 - (d) 2-gas/oil fired boilers and 1-oil fired boiler by Cleaver-Brooks (CB-600-400) located in the main boiler house.
 - (e) 2-gas/oil fired boilers by Cleaver-Brooks (CB-200-500) located in the R & D 3 Building.
 - (f) 1-gas/oil fired boiler by Cleaver-Brooks (CB-200-800) located in the main boiler house.
 - (g) 1-gas/oil fired boiler rated at 980,000 BTU/Hr.
 - (h) 1-gas/oil fired boiler rated at 896,000 BTU/Hr.
 - (i) Twenty-two (22) gas/oil fired space heaters.
 - (j) Seven (7) oil fired emergency generators.
 - (k) R & D projects and spray booth operations.

- (4) Compliance with this RACT Operating Permit is contingent upon the terms and conditions of the following Operating Permits being met:

<u>Permit No.</u>	<u>Source</u>
39-302-063	Eleven (11) Boilers
39-302-142	One (1) Cleaver Brooks Boiler

- (5) Cumulative NOx RACT emissions for all boilers and space heaters shall be limited to:

- (a) 11 tons NOx per month.

Facility-wide cumulative NOx emissions from all boilers and space heaters shall never exceed:

- (b) 34 tons per year (12 month rolling average).

- (6) The seven (7) emergency generators shall be limited to an annual operating rate of 144 hours per year per generator.

- (7) NOx RACT for the R & D projects shall be limited to:
- (a) 1 Ton NOx/Year/Project.
- Facility-wide cumulative NOx emissions from all R & D projects shall never exceed:
- (a) 10 Tons NOx/Year.
- (8) Record keeping and reporting requirements for all NOx sources are as follows:
- (a) The company shall maintain a file containing all records and other data that are required to be collected pursuant to the various provisions of this operating permit, 25 Pa. Code Section 129.95, such that records provide sufficient data and calculations to clearly demonstrate that the requirements of 25 Pa. Code Sections 129.91-94 are met. The file shall include, but not be limited to: for all boilers and space heaters, record fuel consumption on a monthly basis, and express fuel consumption in tons of NOx emitted using the current AP-42 Emission Factors for fuel oil combustion and/or natural gas combustion. NOx emissions shall be recorded on a monthly and yearly basis. For all R & D projects with NOx emissions greater than 5 lb. NOx/Day/Project, calculate monthly NOx emissions to demonstrate compliance with Condition 7 of this operating permit. All measurements, records and other data required to be maintained by the company shall be retained for at least two years following the date on which such measurements records or data are located.
- (9) All boilers and space heaters are to be fired only on natural gas or #2 fuel oil to which there has been no reclaimed or waste oil or other waste materials added.
- (10) The emergency generators are to be fired only on #2 fuel oil to which there has been no reclaimed or waste oil or other waste materials added.
- (11) Each emergency generator shall utilize a hour meter to record hours of operation. These records shall contain hours of operation monthly and made available to the Department upon request.

(12) If requested by the Department, the company shall perform stack tests in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Resources within the time specified by the Department.

(13) VOC RACT for all spray booth operations shall be limited to:

- a) Less than 3 lb. VOC/Hour/Operation.
- b) Less than 15 lb. VOC/Day/Operation.
- c) Less than 2.7 Tons VOC/Year/Operation.

Facility-wide cumulative VOC emissions from all spray booth operations shall never exceed:

- a) 2.7 tons/year.

(14) VOC RACT for all R & D Projects shall be limited to:

- c) Less than 2.7 Tons VOC/Year/Project.

Facility-wide cumulative VOC emissions from all R & D projects shall never exceed:

- a) 35 tons/year.

(15) Record keeping and reporting requirements for all VOC sources are as follows:

- (a) The company shall maintain a file containing all records and other data that are required to be collected pursuant to the various provisions of this operating permit, 25 Pa. Code Section 129.95, such that records provide sufficient data and calculations to clearly demonstrate that the requirements of 25 Pa. Code Sections 129.91-94 are met. The file shall include, but not be limited to: for all spray booth operations with VOC emissions greater than 5 lb. VOC/Day/Operation, record hours of operation and material consumption directly relating to VOC emissions on a daily basis, and record total VOC emissions on a monthly and yearly basis. For all R & D Projects with VOC emissions greater than 5 lb. VOC/Day/Project, record sufficient data to calculate VOC emissions on a monthly and yearly basis. VOC emissions from all combustion sources (i.e. boilers, space heaters and emergency generators) shall be calculated and recorded on a yearly basis. All measurements, records and other data required to be maintained by the company shall be retained for at least two years following the date on which such measurements, records or data are located.

- (16) The expiration date shown on this Operating Permit is for State purposes. For Federal Enforcement purposes, the Operating Permit shall remain in effect as part of the State Implementation Plan (SIP) until replaced pursuant to 40 CFR 51.4 and approved by the US Environmental Protection Agency (EPA). The Operating Permit shall become enforceable by the US EPA upon its approval of the above as a revision to the SIP.
- (17) This Operating Permit is valid for a limited period of time. The Operating Permit Renewal must be in writing and must be accompanied by a permit fee in the amount of (five hundred dollars) \$500.00 payable to the "Commonwealth of Pennsylvania-Clean Air Fund" (\$250.00 application processing fee and \$250.00 annual administration fee). The request should be made on an Interim application for Renewal of a permit to Operate form and must be received by the Department along with a completed Compliance History form. An annual Operating Permit administration fee of two hundred fifty dollars (\$250.00) is also due no later than the anniversary date of this Operating Permit. The administration fee is to be submitted with one of the transmittal forms (attached).
- (18) Any notification required as a result of any condition herein should be directed to:

Thomas A. DiLazaro
Program Manager
Department of Environmental Resources
Air Quality Program
2 Public Square
Wilkes-Barre, PA 18711-0790

