

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
SOUTHCENTRAL REGION - FIELD OPERATIONS
AIR QUALITY PROGRAM

OPERATING PERMIT

In accordance with provisions of the Air Pollution Control Act, the Act of January 8, 1960, P.L. 2119, as amended, and after due consideration of an application received under Chapter 127 of the rules and regulations of the Department of Environmental Protection, the Department hereby issues this permit for the operation of the air contamination source described below.

Permit No: <u>28-02002</u>	Source & Air Cleaning Device: <u>U.S. Depot System</u>
Owner: <u>Department of the Army</u>	<u>Command Activities</u>
Address: <u>Letterkenny Army Depot, SDSLE-ENE</u> <u>Chambersburg, PA 17201-4150</u>	<u>(See Attached)</u>
Attention: <u>Mr. Randall Quinn</u> <u>Chief, Environmental Management Division</u>	Location: <u>Franklin Street Extended</u> <u>Greene Township, Franklin County</u>

This permit is subject to the following conditions:

1. That the source and any associated air cleaning devices are to be:
 - a. operated in such a manner as not to cause air pollution;
 - b. in compliance with the specifications and conditions of the applicable plan approval issued;
 - c. operated and maintained in a manner consistent with good operating and maintenance practices.
2. This permit is valid only for the specific equipment, location and owner named above.
3. See attached

Failure to comply with the conditions placed on this permit is a violation of Section 127.444. Violation of this or any other provision of Article III of the rules and regulations of the Department of Environmental Protection will result in suspension or revocation of this permit and/or prosecution under Section 9 of the Air Pollution Control Act.

Issued: FEB 3 2000 _____
Expires: 3 _____
Program Manager

Southcentral Region 28-02002
Chambersburg Office
Permits

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Sources, Continued

<u>Sources</u>		<u>Activities</u>
164	No. 2 Fuel Oil-Fired Boilers	Stenciling Inks
8	Propane-Fired Boilers	Specialty Coatings
33	Generators	Metal Pretreatment Acid Wash
7	Engine Test Cells	Cleanup Solvents
134	AST Fuel Storage Tanks	
97	UST Fuel Storage Tanks	
24	Paint Booths	
1	Industrial Wastewater Treatment Plant	
1	Photographic/Printing Operations	

All the above surface coating booths use dry filters in the control of particulate matter. The surface coating booths associated with Bldg. No. 350 control VOC emissions through the use of a Regenerative Thermal Oxidizer. Boiler No. 2 in Bldg. No. 349 uses Low No_x burner technology and Boiler No. 3 in Bldg. No. 349 uses Low No_x burner technology with flue gas recirculation.

Conditions, Continued

4. This operating permit constitutes a RACT determination for Volatile Organic Compound (VOC) and Nitrogen Oxide (No_x) emissions as per 25 Pa. Code Sections 129.91 and 129.92.
5. The No_x RACT for the facility is that the emissions will be limited to less than 100 tons per year based on a 12-month rolling total.
6. The VOC RACT for the Industrial Wastewater Treatment Plant is that emissions from this source shall be less than 2.7 tons per year based on a 12-month rolling total.
7. The VOC RACT for clean-up solvents is that emissions from this source shall be less than 2.7 tons per year based on a 12-month rolling total.
8. The VOC RACT for the specialty coatings and stenciling inks is that emissions from these sources shall be less than 2.7 tons per year based on a 12-month rolling total.
9. The VOC RACT for the Photographic/Printing Operations is that emissions from this source shall be less than 2.7 tons per year based on a 12-month rolling total.
10. The VOC RACT for all the boilers, generators, and engine test cells is that emissions from these sources shall be less than 2.7 tons per year based on a 12-month rolling total.

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Conditions, Continued

11. The VOC RACT for the above ground and below ground storage tanks is that emissions from these sources shall be less than 2.7 tons per year based on a 12-month rolling total.
12. The VOC RACT for the Metal Pretreatment Acid Wash is that emissions from this source shall be less than 2.7 tons per year based on a 12-month rolling total.
13. The VOC RACT for the facilities paint booths is that all solvent-based coatings, as applied, shall comply with the requirements of 25 Pa. Code Section 129.52(b)(1), or the overall weight of VOCs emitted to the atmosphere shall be reduced through the use of incineration. The percent reduction in emissions shall be in conformance with the requirements of 25 Pa. Code Section 129.52(b)(2), and the percent reduction requirements, shall not exceed the Asea Brown Boveri (ABB) Regenerative Thermal Oxidizer demonstrated control efficiency of 94 percent.
14. Emissions controlled by the Regenerative Thermal Oxidizer shall be incinerated at a minimum temperature of 1,500°F with a minimum retention time of 0.3 seconds. Fluctuations below 1,500°F which occurs during start-ups and shutdowns shall not be lower than 1,450°F for a period of more than five minutes.
15. Annual reports containing, but not limited to, the following data for each surface coating applied within the booths listed above shall be submitted to the York District Supervisor:
 - a. Coating identification
 - b. Coating use (e.g., extreme performance coating)
 - c. Pounds of VOC per gallon coating (minus water)
 - d. Coating density
 - e. Solvent density
 - f. Percent solvents (volume) - (minus EPA exempt solvents)
 - g. Percent solids (volume)
 - h. Percent water (volume)
 - i. Gallons per month of coating used (plus water)
 - j. Gallons per month of coating used (minus water)
 - k. The type and amount of cleanup solvents utilized
 - l. Annual VOC emissions from surface coating operations after control expressed in pounds

The report for each January 1 through December 31 period is due no later than March 1 of the following year for each operating year authorized by the operating permit or its renewal.

16. Manufacturer's VOC Data Sheets and/or Material Safety Data Sheets for all coatings applied at the facility within the most recent two year period shall be maintained at the facility and be made available to the Department upon request.
17. The permittee shall maintain records in accordance with 25 Pa. Code Section 129.95.

