



CITY OF PHILADELPHIA
DEPARTMENT OF PUBLIC HEALTH
AIR MANAGEMENT SERVICES

RACT PLAN APPROVAL

Effective Date: July 27, 1999

Expiration Date: None

PA Permit Number: 51-4172

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 a Reasonably Available Control Technology (RACT) proposal received under the Pennsylvania Code, Title 25, Chapter 129.91 thru 129.95, of the rules and regulations of the Pennsylvania Department of Environmental Protection (PADEP), Air Management Services (AMS) approved the RACT proposal of the Facility below for the source(s) listed in section 1.A. Emission Sources of the attached RACT Plan Approval.

Facility: SEPTA - Berridge/Courtland Maintenance Shop
Owner: South Eastern Pennsylvania Transportation Authority
Location: 200 West Wyoming Avenue, Philadelphia, PA 19140
Mailing Address: 1234 Market Street, Philadelphia, PA 19107
SIC Code(s): 4111
Plant ID: 4172
Facility Contact: Michael Wright
Phone: (215) 580-4102
Permit Contact: Ronald Hopkins
Phone: (215) 580-7911
Responsible Official: Charles W. Thomas
Title: Assistant General Manager, Safety & Risk Management


Thomas Huynh, Chief of Source Registration

July 27, 1999
Date

The RACT plan approval is subject to the following conditions:

1. The purpose of this Plan Approval is to establish Nitrogen Oxides (NO_x)/Volatile Organic Compound (VOC) Reasonably Available Control Technology (RACT) for SEPTA. This includes the following emission sources and control equipment:
 - A. Emission Sources
 - (1) Three (3) vehicle paint spray booths.
 - (2) One (1) engine spray booth.
 - (3) One (1) fiberglass repair shop.
 - (4) One (1) silk screen sign shop.
 - (5) Thirty-four (34) parts washer machines.
 - (6) One (1) aboveground and six (6) underground petroleum storage tanks.
 - (7) Four (4) non-heatset sheet-fed offset lithographic printing presses.
2. This approval requires and authorizes:
 - A. SEPTA to use the requirements of 25 Pa Code Chap. 129.63 to control VOC emissions from the parts washer machines. For degreasers not covered under 25 Pa Code Chap 129.63, all containers containing VOC materials shall be covered when not in use; cleaned parts shall be thoroughly drained before removal; a permanent label shall be posted for operating requirements; solvent shall be transferred so as to keep evaporation below 20%; and, waste solvent shall be stored in covered containers.
 - B. For the spray booths SEPTA shall ensure that HVLP type spray guns are utilized in all spraying operations and that spray guns are cleaned with a device that collects spent solvent for proper disposal and minimizes solvent emission during and between cleaning.
 - ~~C. SEPTA shall comply with presumptive RACT requirements of 25 PA Code 129.93(e) for combustion sources with individual rated gross heat inputs less than 20 MMBTU/hr. RACT shall be the installation, maintenance and operation of the fuel combustion sources in accordance with manufacturer's specifications.~~
 - D. SEPTA shall use a fountain solution and water mixture with a VOC content no greater than 5 % by weight unchilled or 8 % by weight chilled to 55°F.
 - E. Any cleaning solution used for blanket and roller cleaning on a sheet-fed offset lithographic printing press shall meet the following requirements:
 - (1) VOC content, as applied, less than or equal to 30 percent by weight; or
 - (2) VOC composite partial vapor pressure, as used, less than or equal to 10 mm Hg at 68°F.
3. RACT Implementation Schedule
 - A. Upon issuance of this approval, SEPTA Berridge/Courtland shall begin immediate implementation of the measures necessary to comply with the approved RACT proposal.
4. Recordkeeping and Reporting Requirements
 - A. SEPTA Berridge/Courtland shall maintain a file containing all the records and other data that are required to be collected to demonstrate compliance with NO_x and VOC RACT requirements of 25 PA Code 129.91- 129.94 and with local recordkeeping regulations.

- B. A record of the operating hours and run hours of each source, measured daily and maintained as monthly totals
 - C. A record of the VOC containing material usage per source, measured daily and maintained as monthly totals
 - D. A record of the solvent chemical composition used at the facility shall be maintained.
 - E. Solvent purchases and inventories shall be maintained and reconciled with actual usage.
 - F. A record of Annual actual emissions per source shall be maintained.
 - G. A record of the Annual HAP emissions for the facility shall be maintained.
 - H. Records shall be retained for at least five years and shall be made available to the AMS on request.
5. ~~The operation of the aforementioned sources shall not at any time result in the emission of visible air contaminants in excess of the limitations specified in Section 123.41, particulate matter in excess of the limitations specified in Section 123.11 or sulfur oxides in excess of the limitations specified in Section 123.22, all Sections of Chapter 123 of Article III of the Rules and Regulations of the Department of Environmental Resources, or in the emission of any of these or any other type of air contaminant in excess of the limitations specified in, or established pursuant to, any other applicable rule or regulation contained in Article III.~~
6. The company shall not impose conditions upon or otherwise restrict AMS's access to the aforementioned source(s) and/or any associated air cleaning device(s) and shall allow the AMS to have access at any time to said source(s) and associated air cleaning device(s) with such measuring and recording equipment, including equipment recording visual observations, as the AMS deems necessary and proper for performing its duties and for the effective enforcement of the Air Pollution Control Act.
7. Revisions to any emission limitations incorporated in this RACT Approval shall require resubmission as revision to the PA State Implementation Plan. The applicant shall bear the cost of public hearing and notification required for EPA approval as stipulated in 25 PA Code §129.91(h).

