



**CITY OF PHILADELPHIA  
DEPARTMENT OF PUBLIC HEALTH  
AIR MANAGEMENT SERVICES**

**RACT PLAN APPROVAL**

Effective Date: February 9, 2016

Expiration Date: None

Replaces Permit No. None

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: Philadelphia Prison System

Permittee: Philadelphia Prison System

Location: 8001 State Rd, Philadelphia, PA 19136

Mailing Address: 8001 State Rd, Philadelphia, PA 19136

SIC Code(s): 9223

Plant ID: 9519

Facility Contact: Willie Lewis

Phone: (215) 685-8490

Permit Contact: Willie Lewis

Phone: (215) 685-8490

Responsible Official: Daniel Harkins

Title: Project Coordinator

A handwritten signature in blue ink, appearing to read "Edward Wiener".

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Edward Wiener, Chief of Source Registration

2/9/2016

Date

The RACT plan approval is subject to the following conditions:

- 1. The purpose of this Plan Approval is to establish Nitrogen Oxides (NOx) Reasonably Available Control Technology (RACT) for Philadelphia Prison System. This includes the following emission sources and control equipment:**
  - A. Emission Sources  
One (1) 365 horsepower Natural Gas chiller with a Non- Selective Catalytic Reduction (NSCR) Device or other control device meeting the emission limit in Condition 2.
- 2. Stack Emission Limits**
  - A. NOx emissions from the chiller shall be limited to 2.0 grams per brake horsepower hour.
- 3. RACT Implementation Schedule**
  - A. Upon issuance of this approval, Philadelphia Prison System shall begin immediate implementation of the measures necessary to comply with the approved RACT proposal.
- 4. Testing and Monitoring Requirements**
  - A. A performance test shall be conducted on the chiller within 5 years of the previous performance test to assure compliance with the NOx emission limit above.
- 5. Recordkeeping and Reporting Requirements**
  - A. Philadelphia Prison System shall maintain a file containing all the records and other data that are required to be collected to demonstrate compliance with RACT requirements of 25 PA Code §129.91-129.94. These records shall include:
    - (1) test results
  - B. Records shall be retained for at least five years and shall be made available to AMS on request.
- 6. Revision Requirements**

Revisions to any emission limitations incorporated in this RACT Approval will 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).