

EPA

SO2

7-14

**PECO ENERGY COMPANY
Schuylkill Generating Station**

2800 Christian Street
Philadelphia, PA 19146

SO2 Operating Permit

July 27, 2000

City of Philadelphia
Department of Public Health
Air Management Services

Permit No. SO2-95-006

Expiration Date: None

SECTION A. SOURCE IDENTIFICATION **3**

SECTION B. SPECIAL CONDITIONS **6**

1. SO2 LIMITATION	6
2. WORK PRACTICE STANDARD	6
3. TESTING REQUIREMENTS	6
4. MONITORING REQUIREMENTS	6
5. RECORDKEEPING REQUIREMENTS	7
6. REPORTING REQUIREMENTS	7
7. PERMIT EXPIRATION	7
8. FEDERALLY ENFORCEABILITY	7
9. SUBMISSIONS	7

City of Philadelphia
Department of Public Health
Air Management Services

Effective Date: July 27, 2000

Expiration Date: None

Replaces Permit No. None

SECTION A. SOURCE IDENTIFICATION

In accordance with the provisions of the Pennsylvania Code Title 25, Philadelphia Code Title III, and Air Management Regulation (AMR) XIII, the owner or operator (Permittee) identified below is authorized by Philadelphia Air Management Services (AMS) to operate the air emission source(s) listed in Table A-1. This permit establishes Sulfur dioxide (SO₂) emission limits as an amendment to the State Implementation Plan (SIP). Nothing in this permit relieves the Permittee from its obligations to comply with all applicable Federal, State and Local laws and regulations.

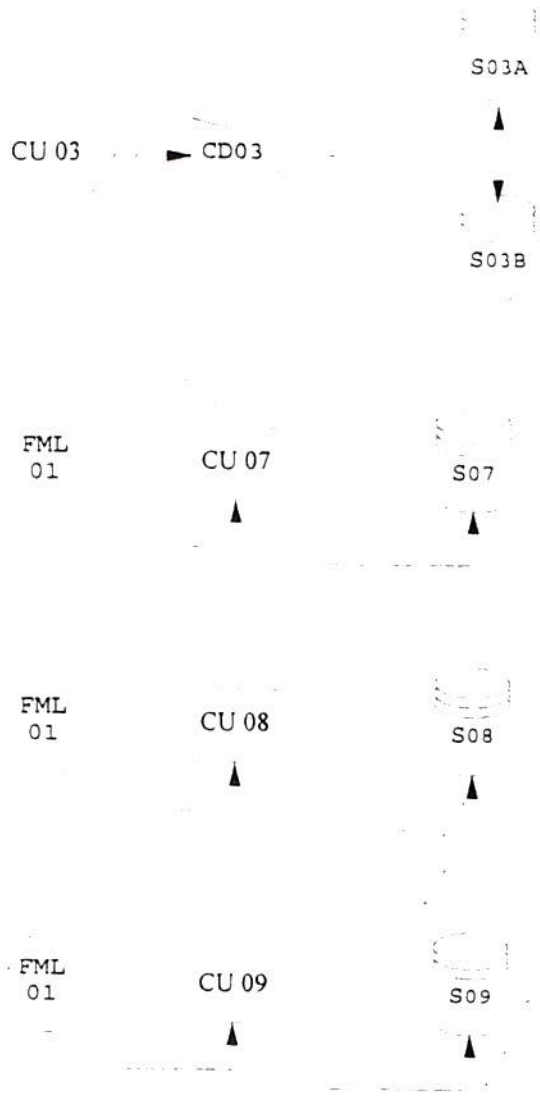
Facility: PECO Energy Company – Schuylkill Generating Station
Owner: PECO Energy Company
Location: 2800 Christian Street, Philadelphia, PA 19146
Mailing Address: 1325 North Beach Street, Philadelphia, PA 19125
SIC Code(s): 4911
Plant ID: 4904
NATS Number : 1086
Authorized Account
Representative: Thomas Sylvester
Phone: (610) 640-6487
Permit Contact: Claude J. Reifsnyder
Phone: (215) 427-8537
Responsible Official: Robert Sauer
Title: Manager


Thomas Huynh
Chief of Source Registration

Date: 7/27/2000

PECO - Schuylkill Station - SO2 Operating Permit
 TABLE A1-FACILITY INVENTORY LIST

ID	Group	Source Name	Capacity	Fuel/Material	Construction Date
CU03	Boiler #1	1,786 MMBTU/hr	#6 Oil primary, #2 Oil ignition	1958	
Group 01	Combustion Turbines				
CU07 01	Combustion Turbine #10	233 MMBTU/hr	#2 Oil, kerosene	5/69	
CU08 01	Combustion Turbine #11	284 MMBTU/hr	#2 Oil, kerosene	6/71	
CU9	Emergency Diesel Generator	2.75 MW	#2 Oil, kerosene	1967	
CD03	Centrifugal Collector for Boiler #1	(control device is in line but not functioning)			
S03A	Stack A for Boiler #1				
S03B	Stack B for Boiler #1				
S07	Stack for Combustion Turbine #10				
S08	Stack for Combustion Turbine #11				
S09	Stack for Emergency Generator				
FML01 IN	Jet Oil Tank	230,000 gal	#2 Oil, kerosene		
FML02 IN	Ignition Tank	15,000 gal	#2 Oil, kerosene		
P04 IN	Fuel Oil/Dielectric Oil Storage				



PROCESS FLOW DIAGRAM FOR PECO - SCHUYLKILL STATION

SECTION B. SPECIAL CONDITIONS

1. SO2 Limitation

- (a) The boiler #1 may not burn fuel oil that contains sulfur in excess of 0.5 % by weight.
- (b) The Combustion Turbine #10 and #11 may not burn fuel oil that contains sulfur in excess of 0.09% by weight.
- (c) The emergency Diesel Generator may not burn fuel oil that contains sulfur in excess of 0.2% by weight.

2. Work Practice Standard

(a) The Permittee shall operate its sources in accordance with the stack height and diameter parameters established in the dispersion model submitted to AMS on December 1, 1997.

Source	Stack Height (Ft.)	Stack Diameter (Ft.)
Boiler#1	275	10
CT # 10	23	13X10
CT # 11	23	13X10

- (b) The Permittee shall remodel to demonstrate compliance with the National Ambient Air Quality Standard for SO2 when AMS has cause to believe that the attainment or maintenance of the standard is in jeopardy.

3. Testing Requirements

[25 Pa Code §139]

(a) Test Methods

- (1) ASTM D1266, D129, D1552, D2622 or D270 shall be used for sulfur in fuel.
- (2) ASTM 4294 for sulfur in fuel can be used when the Permittee supports the data with a quality control plan and demonstrates the ability to accurately perform this test.
- (3) The Permittee may use alternative test methods to those listed in this section if they are given prior approval by AMS in accordance with 25 Pa Code §139.3.

4. Monitoring Requirements

[25 Pa Code §§ 127.511, 139 & §§114 (a)(3), 504 (b) of Clean Air Act]

- (a) The Permittee shall monitor the percent sulfur in each fuel oil upon delivery. An oil sample shall be tested for each #6 fuel oil delivery and a daily composite shall be tested for each #2 fuel oil delivery.
- (b) The CT shall not be connected to the fuel oil storage tank for the boilers or the emergency Diesel Generator.
- (c) The emergency Diesel Generator shall not be connected to the fuel oil storage tank for the boilers.

5. Recordkeeping Requirements

[25 Pa Code §§127.511, 135.21, 135.5, & 139]

The Permittee shall keep the following records:

- (a) Daily hours of operation, power generation, fuel type, fuel usage, and fuel oil sulfur analysis, and any supporting calculations used to determine emissions;

6. Reporting Requirements

[25 Pa Code §127.511(c) & AMR I Sec. II]

- (a) Any violation of an emission limitation established in this permit shall be reported (by phone call or facsimile transmission) to AMS within 24 hours of detection and followed by written notification within thirty-one (31) days.
- (b) The Permittee shall submit to AMS semiannual reports of the performance of the facility using the City of Philadelphia Monitoring Report Form. These reports shall consist of the following:
 - (1) A description of any deviations from permit requirements that occurred during the six-month reporting period, the probable cause of such deviations, and corrective actions or preventive measures taken;

7. Permit Expiration

[25 Pa Code §127.446]

- (a) This operating permit shall not have an expiration date, as it is a revision to the Commonwealth of Pennsylvania's State Implementation Plan (SIP) for SO₂. This permit shall remain in effect until any subsequent revision to the SIP requires the modification of the permit.

8. Federally Enforceability

[25 Pa Code §127.424]

- (a) This permit shall remain enforceable by the U.S. EPA as to SO₂ emission sources as part of the Pennsylvania SIP, as to requirements generally applied by EPA.

9. Submissions

- (a) Reports, test data, monitoring data, notifications, and requests for renewal shall be submitted to:

Chief of Source Registration
Air Management Services
321 University Ave.
Philadelphia, PA 19104-4543

