



# COMMONWEALTH of VIRGINIA

## DEPARTMENT OF ENVIRONMENTAL QUALITY

James S. Gilmore, III  
Governor

Northern Virginia Regional Office  
13901 Crown Court  
Woodbridge, VA 22193-1453  
(703) 583-3800 fax (703) 583-3801  
<http://www.deq.state.va.us>

Dennis H. Treacy  
Director

John Paul Woodley, Jr.  
Secretary of Natural Resources

Gregory L. Clayton  
Regional Director

NVRO-061

June 5, 2000

Mr. James S. Potts  
Vice President, Environment  
Potomac Electric Power Company  
1900 Pennsylvania Ave., NW  
Washington, D.C. 20068-0001

Location: City of Alexandria  
Registration No: 70228  
County-Plant No: 510-0003

Dear Mr. Potts:

Attached is a permit to operate an electric power generating station in accordance with the provisions of the Commonwealth of Virginia State Air Pollution Control Board Regulations for the Control and Abatement of Air Pollution. This permit is for the purpose of implementing the "reasonably available control technology" (RACT) requirements of 9 VAC 5-40-300 of the Board's Regulations. Except to the extent that conditions may be more stringent, this permit does not supersede or replace any other valid permit. Furthermore, this approval to operate shall not relieve Potomac Electric Power Company of the responsibility to comply with all other local, state and federal permit regulations.

The permit contains legally enforceable conditions. Failure to comply may result in a Notice of Violation and civil penalty. Please read all permit conditions carefully.

9 VAC 5-170-200 of the Board's Regulations provides that you may request a formal hearing from this case decision by filing a petition with the Board within 30 days after this case decision notice was mailed or delivered to you. Please consult the relevant regulations for additional requirements for such requests.

Additionally, as provided by Rule 2A:2 of the Supreme Court of Virginia, you have 30 days from the date you actually received this permit or the date on which it was mailed to you, whichever occurred

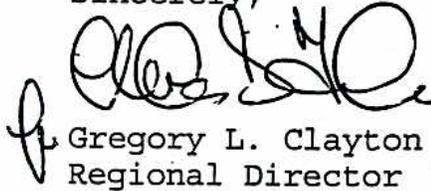
first, within which to initiate an appeal to court by filing a Notice of Appeal with:

Dennis H. Treacy, Director  
Department of Environmental Quality  
P.O. Box 10009  
Richmond, Virginia 23240-0009

In the event that you receive this permit by mail, three days are added to the period in which to file an appeal. Please refer to Part Two A of the Rules of the Supreme Court of Virginia for additional information including filing dates and the required content of the Notice of Appeal.

If you have any questions concerning this permit, please call the regional office at (703) 583-3840.

Sincerely,

  
Gregory L. Clayton  
Regional Director

GLC/CDF/TJG/JRM/jrm

File: PEPCO-RACT-VOC-SOP.doc

Attachments: Permit

cc: Director, OAPP (electronic file submission)  
Manager, Data Analysis (electronic file submission)



# COMMONWEALTH of VIRGINIA

## DEPARTMENT OF ENVIRONMENTAL QUALITY

Street address: 629 East Main Street, Richmond, Virginia 23219

Mailing address: P.O. Box 10009, Richmond, Virginia 23240

Fax (804) 698-4500 TDD (804) 698-4021

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James S. Gilmore, III  
Governor

John Paul Woodley, Jr.  
Secretary of Natural Resources

Dennis H. Treacy  
Director

(804) 698-4000  
1-800-592-5482

### COMMONWEALTH OF VIRGINIA OPERATING PERMIT

#### STATIONARY SOURCE PERMIT TO OPERATE

In compliance with the Federal Clean Air Act and the Commonwealth of Virginia Regulations for the Control and Abatement of Air Pollution,

Potomac Electric Power Company  
1900 Pennsylvania Ave., NW  
Washington, D.C. 20068-0001  
Registration No. 70228  
County-Plant No. 510-0003

is authorized to operate

an electric power generating station

located at

1400 N. Royal Street  
Alexandria, Virginia

in accordance with the Conditions of this permit and all other applicable permits and regulations of the State Air Pollution Control Board.

Approved on MAY 8, 2000

*[Signature]*  
Dennis H. Treacy  
Director

Permit consists of 3 pages.  
Permit Conditions 1 to 8.

PERMIT CONDITIONS - the regulatory reference and authority for the condition is listed in parentheses ( ) after each condition.

1. This permit establishes source-specific emission standards and/or other requirements to implement reasonably available control technology (RACT) as required by 9 VAC 5-40-300 of the State Air Pollution Control Board's Regulations. The affected facility is also subject to (NO<sub>x</sub>) RACT requirements of 9 VAC 5-40-310 and 9 VAC 5-40-311, but the requirements of these regulations as they pertain to the Potomac Electric Power Company are covered by an enforceable document separate from this permit.  
(9 VAC 5-80-800 C.2.b of State Regulations)
2. Equipment subject to 9 VAC 5 Chapter 40, Article 4 and RACT requirements pursuant to Section 182 of the federal Clean Air Act consists of:
  - two coal-fired Combustion Engineering boilers (C101 and C201), rated at  $970.1 \times 10^6$  Btu/hr heat input each;
  - three coal-fired Combustion Engineering boilers (C301, C401 and C501), rated at  $960.7 \times 10^6$  Btu/hr heat input each
3. Volatile organic compound (VOC) emissions from the five coal-fired boilers, including when fired with No. 2 fuel oil for ignition or flame stabilization, shall be controlled by optimizing combustion by means of a digital control system.  
(9 VAC 5-40-300 of State Regulations)
4. Exempted from the requirements of 9 VAC 5 Chapter 40, Article 4 for both volatile organic compounds (VOC) and nitrogen oxides (NO<sub>x</sub>) are the following:
  - a. Process operations with a process weight rate capacity less than 100 pounds per hour;
  - b. Any combustion unit using solid fuel with a maximum heat input of less than 350,000 Btu per hour;
  - c. Any combustion unit using liquid fuel with a maximum heat input of less than 1,000,000 Btu per hour;
  - d. Any combustion unit using gaseous fuel with a maximum heat input of less than 10,000,000 Btu per hour.  
(9 VAC 5-40-240 of State Regulations)

5. At all times, including periods of startup, shutdown and malfunction, all units or processes, including any exempted by any conditions above, shall be maintained and operated to the extent possible in a manner consistent with good air pollution control practice of minimizing emissions.  
(9 VAC 5-40-20 and 9 VAC 5-170-160 of State Regulations)
  6. Methods for demonstrating and reporting compliance with the conditions of this permit, including a periodic demonstration that the digital control system for optimizing combustion is functioning properly, shall be incorporated in the federal operating ("Title V") permit for this facility. The records necessary to meet these requirements shall be as described in the federal operating permit and shall be retained by the permittee for a minimum of five years from the time that the relevant data was collected.  
(9 VAC 5-80-110)
  7. In the event of any change in control of ownership of the permitted source, the permittee shall notify the succeeding owner of the existence of this permit by letter and send a copy of that letter to the Regional Compliance Manager.  
(9 VAC 5-80-940 of State Regulations)
  8. A copy of this permit shall be maintained on the premises of the facility to which it applies.  
(9 VAC 5-80-860 of State Regulations)
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