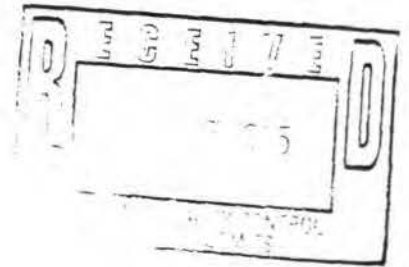


COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES
SOUTHCENTRAL REGION
AIR QUALITY CONTROL PROGRAM



PLAN APPROVAL

APPROVAL NO. 06-1003 Source & Microelectronics Mfg.
Owner/Operator: AT&T Corporation Air Facility
Address: P. O. Box 13396 Cleaning
Reading, PA 19612-3396 Device
Attention: Mr. P. A. Schuster
Reading Works Director Location Reading Works
Muhlenberg Township
Berks County

In accordance with provisions of the Air Pollution Control Act, the Act of January 8, 1960, P.L. 2119, as amended, and with Chapter 127 of the rules and regulations of the Department of Environmental Resources, the Department on JUN 26 1995 approved plans for the installation of air cleaning devices on the above indicated air contamination source(s).

1. PLAN APPROVAL expires May 31, 1996.

The plan approved is subject to the following conditions:

- (1) The air cleaning devices are to be installed in accordance with the plans submitted with the application (as approved herein).

(SEE THE ATTACHED ADDITIONAL CONDITIONS)

Notify the person noted below when the installation is completed so that the source(s) can be inspected for issuance of an OPERATING PERMIT.

NOTE:

Roger A. Fitterling
Air Quality Control Program
1005 Cross Roads Boulevard
Reading, PA 19605
(610) 916-0100

LEIF ERICSON
Air Quality Program Manager

cc: Permits
Southcentral Regional Office
Lancaster District Office
Reading District Office

Sources:

1. Building 10 Non-combustion VOC Sources
2. Building 30 Non-combustion VOC Sources
3. Building 35 Non-combustion VOC Sources
4. Generator (Bldg. 10) (70 KW) (Propane)
5. Generator (Bldg. 13) (1000 KW) (Diesel)
6. Two (2) Generators (Bldg. 30) (500 KW)(Diesel)
7. Generators (Bldg. 35)(125 KW)(Diesel)
8. #1 Boiler (71 million BTU/hr, Natural gas/No. 6 Oil)(B&W)
9. #2 Boiler (71 million BTU/hr, Natural Gas/No. 6 Oil)(B&W)
10. #3 Boiler (49 million BTU/hr, Natural Gas/No. 6 Oil)(B&W)
11. #4 Boiler (49 million BTU/hr, Natural Gas/No. 6 Oil)(B&W)
12. Generator (Bldg. 30) (298KW)(Diesel)
13. Seven (7) Storage (No. 2 & No. 6 Fuel Oil)

cc: Re30 1003.3

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Conditions (continued):

- (2) This Plan Approval is issued for the purpose of defining the Department's ~~NO_x~~ and VOC Reasonably Available Control Technology (RACT) determination for the sources of the company's Reading Plant.
- (3) This Plan Approval establishes ~~NO_x~~ and VOC RACT for the #1 and #2 Boilers as:
 - ~~a) An interim (never to be exceeded) NO_x emission limit of 32.65 #/hr per boiler.~~
 - b) The installation and operation of Low NO_x burners on each boiler.
 - c) VOC emissions shall not exceed 2.7 tpy per boiler.
- (4) A final NO_x emission limit will be determined upon evaluation of the stack testing results after the installation of the low NO_x burners. The final NO_x emission limit will be incorporated into the Operating Permit upon its issuance.
- (5) Prior to issuance of an operating permit, but no later than October 31, 1995, the company must perform a stack test on Boilers #1 & #2 covered by this Plan Approval in accordance with the provisions of Chapter 139 to show compliance. The stack test shall be performed while the aforementioned source is operating at the maximum rated capacity as stated on the application. The stack test shall be for NO_x and CO.
- (6) At least thirty (30) days prior to the test, the Regional Air Quality Program Manager shall be informed of the date and time of the test.
- (7) At least sixty (60) days prior to the test, the company shall submit to the Department for approval the procedures for the test and a sketch with dimensions indicating the location of sampling ports and other data to ensure the collection of representative samples.
- (8) Within thirty (30) days after the source test(s), three copies of the complete test report, including all operating conditions, shall be submitted to the Regional Air Quality Program Manager for approval.
- ~~(9) This Plan Approval establishes NO_x RACT for the #3 and #4 Boilers as presumptive as defined in Section 129.93(b)(2).~~
- (10) The company shall modify (derate) the boilers #3 & 4 in a permanent manner such that the maximum heat input shall not exceed 50 million BTUs/hr. The company shall submit to the Department proof of this de-rating.

~~(11) The Boilers #3 and #4 are subject to the following:~~

- ~~a) The company shall perform an annual adjustment and/or tune up on the boilers which shall include the following:~~
 - ~~1) Inspection, adjustment, cleaning or replacement of fuel-burning equipment, including the burners and moving parts necessary for proper operation as specified by the manufacturer.~~
 - ~~2) Inspection of the flame pattern or characteristics and adjustments necessary to minimize emissions of NO_x, and to the extent practicable minimize emissions of CO.~~
 - ~~3) Inspection of the air-to-fuel ratio control system and adjustments necessary to ensure proper calibration and operation as specified by the manufacturer.~~
- ~~(b) The company shall maintain a permanently bound log book or other method approved by the Department. This log shall contain, at a minimum, the following information:~~
 - ~~1) The date of the tuning procedure~~
 - ~~2) The name of the service company and technicians~~
 - ~~3) The final operating rate or load~~
 - ~~4) The final CO and NO_x emission rates~~
 - ~~5) The final excess oxygen rate~~
 - ~~6) Any other information required by this approval~~
- ~~(c) The annual adjustment shall be in accordance with the EPA document "Combustion Efficiency Optimization Manual for Operators of Oil and Gas-fired Boilers," September 1983 (EPA 340/1-83-023) or equivalent procedures approved in writing by the Department.~~

~~(12) This Plan Approval establishes the NO_x RACT for the six (6) generators as a limit of 500 hours of operation per twelve (12) months for each unit as per Section 129.93(c)(5).~~

(13) The company shall maintain an hour meter or other method as approved by the Department on each emergency generator.

(14) This Plan Approval establishes the VOC RACT for all sources as the current operation of the facility and sources.

- (15) The company shall maintain detailed records of all purchases and disposal of VOC containing materials. The solvent use records shall be totalled monthly and submitted to the Department annually. Each annual report shall be submitted to the Lancaster District Supervisor no later than March 1 of the following year for each operating year (January 1 through December 31).
- (16) The company shall maintain a list of all VOC sources and their locations and shall make this list available to the Department upon request. The company shall notify the Lancaster District Supervisor of installation of any new VOC emitting sources that increases the emissions by more than 1 tpy, except for sources specifically exempted by 25 Pa. Code Section 127.14.
- (17) Records required under this Plan Approval shall be kept for a period of five (5) years and shall be made available to the Department upon its request.
- (18) This Plan Approval authorizes temporary operation of the source(s) covered by this Plan Approval provided the following conditions are met:
- (a) The Department must receive written notice from the Owner/Operator of the completion of construction and the Operator's intent to commence operation at least five (5) working days prior to the completion of construction. The notice shall state when construction will be completed and when the Operator expects to commence operation.
 - (b) Operation is authorized only to facilitate the start up and shake-down of sources and air cleaning devices, to permit operations pending the issuance of an Operating Permit or to permit the evaluation of the source(s) for compliance with all applicable regulations and requirements.
 - (c) This condition authorizes temporary operation of the source(s) for a period of one hundred eighty (180) days from the date of commencement of operation, provided the Department receives notice from the Owner/Operator pursuant to Subpart (a), above.
 - ~~(d) The Owner/Operator may request an extension if compliance with all applicable regulations and Plan Approval requirements has not been established. The extension request shall be submitted in writing at least fifteen (15) days prior to the end of this period of temporary operation and shall provide a description of the compliance status of the source, a detailed schedule for establishing compliance, and the reasons compliance has not been established.~~

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- ~~(e) The notice submitted by the Owner/Operator pursuant to Subpart (a), above, prior to the expiration of this Plan Approval, shall modify the Plan Approval expiration date. The new Plan Approval expiration date shall be one hundred eighty (180) days from the date of the written notice.~~
- (19) An annual report as per Section 129.95 shall be submitted to the Lancaster District Supervisor. The report of each calendar year is due no later than March 1 of the following year of each year authorized by the Plan Approval, Operating Permit or Renewal.