

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES
AIR QUALITY PROGRAM

Page 1 Of 6

DEC 22 1994

OPERATING PERMIT

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 an application received under Chapter 127 of the rules and regulations of the Department of Environmental Resources, the Department hereby issues this permit for the operation of the air contamination source described below.

| | | | |
|------------|--|----------|---|
| Permit No. | <u>66-0001</u> | Source & | <u>Listed in condition (5)</u> |
| Owner | <u>The Procter and Gamble</u> <u>Paper Products Company</u> | Air | <u></u> |
| Address | <u>P. O. Box 32</u> <u>Mehoopany, PA 18629</u> | Cleaning | <u>Listed in condition (5)</u> |
| | | Device | <u></u> |
| Attention: | <u>J. Steve Gaines</u> <u>Plant Manager</u> | Location | <u>Route 87, Mehoopany</u> <u>Wyoming County</u> |

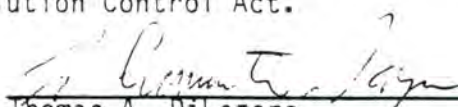
This permit is subject to the following conditions:

- (1) That the source and any associated air cleaning devices are to be:
 - (a) operated in such a manner as not to cause air pollution;
 - (b) in compliance with the specifications and conditions of the plan approvals previously issued for this facility;
 - (c) operated and maintained in a manner consistent with good operating and maintenance practices.
- (2) This permit is valid only for the specific equipment, location and owner named above.

SEE ATTACHED.

Failure to comply with the conditions placed on this permit is in violation of Section 127.25. Violation of this or any other provision of Article III of the rules and regulations of the Department of Environmental Resources will result in suspension or revocation of this permit and/or prosecution under Section 9 of the Air Pollution Control Act.

Issued DEC 20 1994
Expires July 31, 1999


Thomas A. DiLazaro
Program Manager
Air Quality Program

- (3) In accordance with Sections 6.3(e) and 6.3(j) of the Pennsylvania Air Pollution Control Act (as amended) a two hundred fifty dollar (\$250.00) annual operating permit administrative fee is required each year. This administrative fee is to be submitted thirty (30) days prior to the anniversary date of this operating permit; and is to be submitted with the attached transmittal form.
- (4) This Operating Permit is valid for a limited time and may be renewed before its expiration. Requests for an Operating Permit Renewal must be in writing and must be accompanied by a permit fee in the amount of five hundred dollars (\$500.00) payable to the "Commonwealth of Pennsylvania - Clean Air Fund" (\$250.00 application processing fee and \$250.00 annual administrative fee). The request should be made on an Interim Application for Renewal of a Permit to Operate form and must be received by the Department along with a completed Compliance History form no later than the first of the month in which the permit expires.

| (5) <u>SOURCE</u> | <u>CONTROL METHOD</u> |
|--|--|
| #1 Bldg. 87 Diesel Pump #1 Bldg. 87 diesel pump #2 Diesel river pump | Install., maint. and operation in accord. with mfg. specs. Install., maint. and operation in accord. with mfg. specs. Install., maint. and operation in accord. with mfg. specs. |
| #4 Wastewater treatment pump | Install., maint. and operation in accord. with mfg. specs. |
| #5 FRP boiler | Install., maint. and operation in accord. with mfg. specs. |
| - Stock prep diesel generator Sludge dryer | Install., maint. and operation in accord. with mfg. specs. Annual adjustment or tuneup |
| TC 25 gas space heaters | Install., maint. and operation in accord. with mfg. specs. |
| #9 Cider mill boiler | Install., maint. and operation in accord. with mfg. specs. |
| #10 Gasoline tank | Pressure relief valve |
| #18-#23 Tissue/Towel Converting lines | Ink VOC content <u><25%</u> by volume, and water content <u>>75%</u> |
| #24-29 Pulping liquor storage tanks (SSSL tank, Fines centrate tank, WSSL pulpmill, BSST tank, Backflush evap. tank; and Backflush pulp mill tank) | None |
| #32 Boiler No. 1 | Annual adjustment or tuneup |
| #34 Boiler No. 3 | Annual adjustment or tuneup, cyclone and scrubber |
| #37, #38; #39 1M paper machine | Annual adjustment or tuneup |
| #40, #41; #42 2M paper machine | Annual adjustment or tuneup |
| #43, #44; #45 3M paper machine | Annual adjustment or tuneup |
| #46 4M paper machine vac. system | None |
| #47 4M paper machine pre-dryer | Low NOx burner |

| | |
|-------------------------------------|---|
| 3 4M paper machine yankee dryer | Low NOx burner |
| #49, #50; #51 5M paper machine | Annual adjustment or tuneup |
| #52, #53; #54 6M paper machine | Annual adjustment or tuneup |
| #55 By-products dryer vent | Two venturi scrubbers |
| #59, #60; #61 Pulp finishing vents | None |
| #62 Knotting & screening vent | None |
| #66, #68; #70 Stock prep additives | None |
| #77; #78 Tissue perfume fugitive | None |
| #79 Wastewater treatment | None |
| #80 FRP paint booth | Compliance coatings, VOC content <3.0 lb/gal. |
| #84 Landfill | None |
| #85 Numerous de minimus VOC sources | None; de minimus |

(6) The emissions from the source shall not exceed the following:

| <u>SOURCE</u> | <u>POLL.</u> | <u>EMISS. LIMIT (lb/hr)</u> | <u>AVE. TIME</u> |
|--------------------------------|--------------|-----------------------------|------------------|
| Bldg. 87 diesel pump #1 | NOx | 6.17 | 24 hour |
| | VOC | 0.50 | 24 hour |
| #2 Bldg. 87 diesel pump #2 | NOx | 8.64 | 24 hour |
| | VOC | 0.70 | 24 hour |
| Diesel river pump | NOx | 6.17 | 24 hour |
| | VOC | 0.50 | 24 hour |
| #4 Wastewater treatment pump | NOx | 8.64 | 24 hour |
| | VOC | 0.70 | 24 hour |
| #5 FRP boiler | NOx | 0.10 | 24 hour |
| | VOC | 0.01 | 24 hour |
| #6 Stock prep diesel generator | NOx | 8.93 | 24 hour |
| | VOC | 0.73 | 24 hour |
| #7 Sludge dryer | NOx | 3.13 | 24 hour |
| | VOC | 12.70 | 24 hour |
| #8 Gas space heaters (25) | NOx | 0.36 | 24 hour |
| | VOC | 0.04 | 24 hour |
| #9 Cider Mill boiler | NOx | 0.003 | 24 hour |
| | VOC | 0.00108 | 24 hour |

| | | | |
|--------------------------------------|-----|--|---------|
| #10 Gasoline tank | VOC | 0.045 | 24 hour |
| 3-#23; #78 Tissue Converting lines | VOC | 15.75; and ink | 24 hour |
| 1-6; and tissue perfume fugitive | | VOC content $\leq 25\%$ volume; water content $\geq 75\%$ | |
| #24-#29 Pulping liquor process tanks | VOC | 10.40 | 24 hour |
| (SSSL tank, | | | 24 hour |
| Fines centrate tank, | | | 24 hour |
| WSSL Pulpmill, | | | 24 hour |
| Brown stock storage tank, | | | 24 hour |
| Backflush evaporator tank; and | | | 24 hour |
| Backflush pulpmill tank) | | | 24 hour |
| #32 Boiler No. 1 | NOx | 69.99 | 24 hour |
| | VOC | 0.09 | 24 hour |
| #34 Boiler No. 3 | NOx | 36.93 | 24 hour |
| | VOC | 1.60 | 24 hour |
| #37, #38; #39 1M paper machine | NOx | 13.81 | 24 hour |
| | VOC | 14.07 | 24 hour |
| #40, #41; #42 2M paper machine | NOx | 13.81 | 24 hour |
| | VOC | 1.37 | 24 hour |
| #43, #44; #45 3M paper machine | NOx | 13.81 | 24 hour |
| | VOC | 14.07 | 24 hour |
| #47; #48 4M paper machine | NOx | 0.10 lb/MMBtu | 24 hour |
| | VOC | 19.10 | 24 hour |
| | CO | 21.00 | 24 hour |
| | PM | 12.40 | 24 hour |
| #49, #50; #51 5M paper machine | NOx | 13.81 | 24 hour |
| | VOC | 1.37 | 24 hour |
| ., #53; #54 6M paper machine | NOx | 13.81 | 24 hour |
| | VOC | 1.37 | 24 hour |
| #55 Pulp by-products dryer vent | VOC | 1.02 | 24 hour |
| #59, #60; #61 Pulp finishing vents | VOC | 29.13 | 24 hour |
| #62 Knotting & screening vent | VOC | 7.60 | 24 hour |
| #66, #68; #70 Stock prep additives | VOC | 13.83 | 24 hour |
| #79 Wastewater treatment | VOC | 63.16 | 24 hour |
| #80 FRP paint booth | VOC | 300.00; ≤ 2000 hr/yr and ≤ 3.0 lb/gal | 24 hour |
| #84 Landfill | VOC | 6.17 | 24 hour |
| #85 Numerous de minimus sources | VOC | 0.3116 | |

(7) For the following sources, RACT shall be the installation, maintenance and operation of the source according to manufacturers specifications as found in 25 Pa. Code Section 129.93(c):

- Bldg. 87 diesel pump #1
- 2 Bldg. 87 diesel pump #2
- #3 Diesel river pump
- #4 Wastewater treatment pump
- #5 FRP boiler
- #6 Stock prep diesel generator
- #8 Gas space heaters (25)
- #9 Cider mill boiler

(8) For the following sources, RACT shall be the performance of an annual adjustment or tuneup on the combustion process as found in 25 Pa. Code Section 129.93(b)(2):

- #7 Sludge dryer
- #32 Boiler No. 1
- #34 Boiler No. 3
- #38; #39 1M paper machine combustion unit
- #41; #42 2M paper machine combustion unit
- #44; #45 3M paper machine combustion unit
- #47 4M paper machine pre-dryer
- 4M paper machine yankee dryer
- #51 5M paper machine combustion unit
- #53; #54 6M paper machine combustion unit

- (9) Boilers No. 1 and No. 3 shall comply with the monitoring requirements as found in 25 Pa. Code 129.91(i).
- (10) All sources listed in conditions (7) & (8) must comply with the record keeping requirements of 25 Pa. Code 129.95.
- (11) For the tissue/towel converting lines (sources 18 thru 23), records shall be kept of all inks applied and the VOC content of each. These records shall be maintained for a period of two years and must be made available to the Department upon request.
- (12) For the FRP paint booth (source 80), records shall be kept of all coatings applied and the VOC content of each. These records shall be maintained for a period of two years and must be made available to the Department upon request.
- (13) This Operating Permit amends Plan Approval No. 66-315-010A for the incorporation of NOx/VOC reasonable available control technology (RACT) requirements of Pa. Code 25 129.91-95. The 4M paper machine shall also comply with the terms and conditions of Plan Approval No. 66-315-010A.

- (14) This Operating Permit supersedes and consolidates the existing Operating Permit Nos. 66-302-005, 66-315-003, 66-315-030 and 66-315-010.
- (15) The expiration date shown on this Operating Permit is for State purposes. For Federal Enforcement purposes, the Operating Permit shall remain in effect as part of the State Implementation Plan (SIP) until replaced pursuant to 40 CFR 51 and approved by the US Environmental Protection Agency (EPA). The Operating Permit shall become enforceable by the US EPA upon its approval of the above as a revision to the SIP.

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES
AIR QUALITY PROGRAM

DEC 22 1994

PLAN APPROVAL

| | | | |
|------------|-------------------------------|----------|---|
| Permit No. | <u>66-0001A</u> | Source & | <u>Turbine, Auxiliary Boiler, No. 2 & No. 4 Boilers, and</u> |
| Owner | <u>The Procter and Gamble</u> | Air | <u>Digester, General Process, Sulfur Scrubber & BSW Vents</u> |
| Address | <u>P. O. Box 32</u> | Cleaning | <u>Steam Injection, Low NOx</u> |
| | <u>Mehoopany, PA 18629</u> | Device | <u>Burner and Re-routing Pulp Plant Vents to Boilers</u> |
| Attention: | <u>J. Steve Gaines</u> | Location | <u>Route 87</u> |
| | <u>Plant Manager</u> | | <u>Mehoopany</u> |
| | | | <u>Wyoming County</u> |

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 DEC 20 1994 approved plans for construction & modification of the above indicated air examination source.

This ~~PLAN APPROVAL~~ expires May 31, 1995.

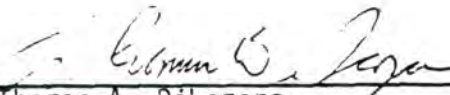
This Plan Approval is subject to the following conditions:

- (1) The source is to be constructed in accordance with the plans submitted with the application (as approved herein).

(SEE ATTACHED)

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

NOTE: Babu H. Patel
Chief, Engineering Services
Air Quality Program
Cross Valley Centre
667 North River Street
Plains, PA 18705-1099


Thomas A. DiLazaro
Program Manager
Air Quality Program

- (2) Nothing in this permit shall be construed to supercede, amend or authorize violation of the provisions of any valid and applicable local law, ordinance or regulation, provided that said local law, ordinance or regulation is not preempted by the Pennsylvania Air Pollution Control Act, the Act of January 8, 1960, P.L. 2119, as amended, 35 P.S. §§4001-4015, et seq.
- (3) The permittee shall comply with the Pennsylvania Air Pollution Control Act, the Act of January 8, 1960, P.L. 2119, as amended, 35 P.S. §§4001-4015, et seq. and Title 25, Rules and Regulations, Article III, Air Resources promulgated thereunder.
- (4) 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 should state when construction will be completed and when Operator expects to commence operation.
 - (b) Operation is authorized only to facilitate the start-up and shakedown 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 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 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.~~
 - ~~(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 180 days from the date of the written notice.~~

- (5) The emissions from the turbine, auxiliary boiler, digester vent, general process venting, sulfur recovery scrubber, brown stock washer vent, and No. 2 and No. 4 boilers shall not exceed the following:

| <u>Source</u> | <u>Pollutant</u> | <u>Emission Limit</u> | <u>Averaging Time</u> |
|---|------------------|--|-----------------------|
| Turbine | NOx | 55 ppm * | 24-hr. |
| | VOC | 3.0 lb/hr. | 24-hr. |
| | CO | 10.0 lb/hr; 9 ppm * | 24-hr. |
| Auxiliary Boiler | NOx | 30 ppm ** | 24-hr. |
| | VOC | 0.74 lb/hr. | 24-hr. |
| | CO | 12.9 lb/hr. | 24-hr. |
| | SO ₂ | 0.15 lb/hr. | 24-hr. |
| | PM | 0.8 lb/hr. | 24-hr. |
| Pulp Plant Vents (Digester Vent, General Process Vent, Sulfur Recovery Scrubber; and Brown Stock Washer) | VOC | 0.0 lb/hr. except ≤ 160 hr. Bypass | 24-hr. |
| | PM | 0.04 gr/dscf | |
| No. 2 and No. 4 Boilers | NOx | 180.9 lb/hr. | 24-hr. |
| | PM | 70.0 lb/hr. | 24-hr. |
| | SO ₂ | 1253.0 lb/hr. | 24-hr. |
| | VOC | 1.98 lb/hr. | 24-hr. |
| Pulp Plant Vents (Bypass) | VOC | 67.3 lb/hr. ≤ 160 hr/yr. | 24-hr. |

* corrected to 15% O₂; except for start up, shut down or rebalancing

** corrected to 15% O₂

- (6) Within 120 days of startup of each of the sources listed in Condition 5, except for the turbine, which has a CEM for NO_x, stack tests shall be performed in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Resources to show compliance with the NO_x and VOC emission limits listed in Condition 5. The stack tests shall be performed while the source is operating at the maximum rated capacity as stated on the application.
- (7) On or before March 31, 1995, a test procedure and a sketch with dimensions indicating the location of sampling ports and other data to ensure the collection of representative samples shall be submitted to the Regional Air Quality Program Manager.
- (8) At least two weeks prior to the test, the Regional Air Quality Program Manager shall be informed of the date and time of the test.
- (9) Within one-month of completion of the test, two copies of the complete test report, including all operating conditions, shall be submitted to the Regional Air Quality Program Manager for approval.
- (10) RACT for boilers No. 2 and No. 4 shall be the performance of an annual adjustment or tuneup on the combustion process as found in 25 Pa. Code 129.93(b)(2).
- (11) Boilers #2 & #4 shall comply with the NO_x emission monitoring requirements as found in 25 Pa. Code 129.91(i).
- (12) NO_x emissions from the turbine shall be monitored and recorded continuously to monitor compliance with the NO_x emission limits specified in Condition 5. Recordkeeping and reporting procedures must be in accordance with the requirements of the Continuous Source Monitoring Manual.
- (13) The continuous emission monitoring system for nitrogen oxide must be operated and maintained in accordance with the quality assurance, recordkeeping and reporting requirements of Chapter 139 of the Department's Rules and Regulations and Continuous Source Monitoring Manual. The required data reports shall be submitted to the Department's Central Office, in hard copy and computer-readable-media formats as specified by the Department, within 30 days following the close of each calendar quarter

- (14) The pulp plant vents shall not be bypassed more than 160 hours/year. The hours of bypass shall be recorded and the records shall be maintained for a period of two years. These records must be made available to the Department upon request.
- (15) The company shall maintain a file containing all records and other data that are required to be collected pursuant to the various provisions of this Plan Approval and Pa. Code 25 Section 129.95, such that records provide sufficient data and calculations to clearly demonstrate that the requirements of 25 Pa. Code Sections 129.91-94 are met. This file shall include, but not be limited to: records of calibration checks, adjustments and maintenance performed on all equipment which is subject to this Plan approval. All measurements, records and other data required to be maintained by the company shall be retained for at least two years following the date on which such measurements, records or data are recorded.
- (16) This auxiliary boiler is subject to Subpart Dc of the Standards of Performance for New Stationary Sources and shall comply with all applicable requirements of this Subpart. 40 CFR §60.4 requires submission of copies of all requests, reports, applications, submittals and other communications to both EPA and the Department. The EPA copies shall be forwarded to:

Director
Air, Toxics and Radiation Division
US EPA, Region III
841 Chestnut Street
Philadelphia, PA 19107

- ~~(17) Issuance of an operating permit will be contingent upon the satisfactory demonstration that the odor emissions from the aforementioned boilers #2 & #4 will not be in violation of Section 123.31 of Chapter 123 of the Rules and Regulations of the Department of Environmental Resources.~~
- (18) This Plan Approval supersedes and consolidates the existing Plan Approval Nos. 66-302-004, 66-306-001 and 66-315-0078.

