

| (3) | <u>SOURCE</u> | <u>CONTROL METHOD</u> |
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| | Bldg. 87 Diesel Pump #1 | Install., maint. and operation in accord. with mfg. specs. |
| | Bldg. 87 diesel pump #2 | Install., maint. and operation in accord. with mfg. specs. |
| | Diesel river pump | Install., maint. and operation in accord. with mfg. specs. |
| | Wastewater treatment pump | Install., maint. and operation in accord. with mfg. specs. |
| | FRP boiler | Install., maint. and operation in accord. with mfg. specs. |
| | Stock prep diesel generator | Install., maint. and operation in accord. with mfg. specs. |
| | Sludge dryer | Annual adjustment or tuneup |
| | 25 gas space heaters | Install., maint. and operation in accord. with mfg. specs. |
| | Cider mill gas heater | Install., maint. and operation in accord. with mfg. specs. |
| | Gasoline tank | Pressure relief valve |
| | Tissue/Towel converting operations | Ink VOC content <25% by volume, and water content >75% |
| | Pulping liquor process tanks (SSSL tank, fines centrate tank, WSSL pulpmill, Brown stock storage tank, Backflush evap. tank; and Backflush pulp mill tank) | None |
| | Turbine | Steam injection |
| | Auxiliary Boiler | Low NOx burner |
| | Boiler No. 1 | Annual adjustment or tuneup |
| | Boiler No. 2 | Annual adjustment or tuneup |
| | Boiler No. 3 | Annual adjustment or tuneup, cyclone and scrubber |
| | Boiler No. 4 | Annual adjustment or tuneup |
| | 1M paper machine | Annual adjustment or tuneup |
| | 2M paper machine | Annual adjustment or tuneup |
| | 3M paper machine | Annual adjustment or tuneup |
| | 4M paper machine | Low NOx Burners |
| | 5M paper machine | Annual adjustment or tuneup |
| | 6M paper machine | Annual adjustment or tuneup |
| | Pulp by-products dryer vent | Two venturi scrubbers |
| | Pulp plant vents (Digester, general process, sulfur recovery scrubber; and brown stock washer (bypassed)) | None |
| | Pulp finishing vents | None |
| | Knotting & screening vent | None |
| | Stock prep additives | None |
| | Tissue perfume fugitive | None |
| | Wastewater treatment | None |
| | FRP paint booth | Compliance coatings, VOC content <3.0 lb/gal. |
| | Landfill | None |
| | Numerous small VOC sources | None |

(4) The volatile organic compound (VOC) emissions from the following sources, for which there was no economically feasible RACT control option, shall be maintained at the potential to emit used on the economic analysis as follows:

| <u>SOURCE</u> | <u>POLL.</u> | <u>POTENTIAL TO EMIT (TPY)</u> |
|--|--------------|--------------------------------|
| Pulping liquor process tanks (SSSL tank, fines centrate tank, WSSL Pulpmill, Brown stock storage tank, Backflush evaporator tank; and Backflush pulpmill tank) | VOC | 45.65 |
| Turbine | VOC | 13.14 |
| Paper machines, and stock prep additives | VOC | 285.5 |
| Pulp by-products dryer vent | VOC | 4.47 |
| Pulp plant vents (digester vent, general process vent, sulfur recovery scrubber; and brown stock washer vent (bypassed)). | VOC | 294.77 |
| Pulp finishing vents | VOC | 127.59 |
| Knotting & screening vent | VOC | 33.29 |
| Tissue perfume fugitive | VOC | 18.21 |
| Wastewater treatment | VOC | 348.20 |
| Landfill | VOC | 27.03 |

(5) The nitrogen oxide (NO_x) and volatile organic compound (VOC) emissions from the auxiliary boiler, and the NO_x emissions from the turbine and 4M papermachine shall not exceed the following:

| <u>Source</u> | <u>Pollutant</u> | <u>Emission Limit</u> | <u>Averaging Time</u> |
|------------------|------------------|----------------------------|-------------------------------|
| Turbine | NO _x | 48 ppm * | 30 day rolling avg. 24-hr. |
| Auxiliary Boiler | NO _x | 30 ppm ** | |
| | VOC | 0.74 lb/hr | 30 day rolling avg. |
| 4M Papermachine | NO _x | 0.1 lb/10 ⁶ BTU | 24-hr. |

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

** corrected to 3% O₂

- (6) The carbon monoxide (CO), sulfur dioxide (SO₂) and particulate matter (PM) emissions from the turbine, auxiliary boiler, No. 2 and No. 4 boilers, 4M papermachine; and pulp plant vents bypassed shall not exceed the following:

| <u>Source</u> | <u>Pollutant</u> | <u>Emission Limit</u> | <u>Averaging Time</u> |
|--|------------------|-----------------------|--|
| Turbine | CO | 10.0 lb/hr | 30 day rolling avg. 24-hr. |
| Auxiliary Boiler | CO | 12.9 lb/hr | |
| Pulp Plant Vents (Digester Vent, General Process Vent, Sulfur Recovery Scrubber; and Brown Stock Washer (Bypassed)) | PM | 0.04 gr/dscf | 30 day rolling avg. 30 day rolling avg. |
| | SO ₂ | 500 ppm | |
| No. 2 and No. 4 Boilers | PM | 70.0 lb/hr | 30 day rolling avg. 24-hr. |
| | SO ₂ | 1253.0 lb/hr | |
| 4M Papermachine | CO | 21.0 lb/hr | 24-hr. |
| | PM | 12.4 lb/hr | |

- (7) For the following sources, RACT shall be the installation, maintenance and operation of the source according to manufacturers specifications in accordance with 25 Pa. Code §129.93(c), and they shall also be operated and maintained in accordance with good air pollution control practices:

Bldg. 87 diesel pump #1
 Bldg. 87 diesel pump #2
 Diesel river pump
 Wastewater treatment pump
 FRP boiler
 Stock prep diesel generator
 Gas space heaters (25)
 Cider mill gas heater

- (8) For the following sources, RACT shall be the performance of an annual adjustment or tuneup on the combustion process in accordance with 25 Pa. Code §129.93(b)(2); and operation and maintenance in accordance with good air pollution control practices.

Sludge dryer
 Boiler No. 1
 Boiler No. 2
 Boiler No. 3
 Boiler No. 4

1M paper machine combustion unit
2M paper machine combustion unit
3M paper machine combustion unit
5M paper machine combustion unit
6M paper machine combustion unit

- (9) Boilers No. 1, No. 2, No. 3 and No. 4 shall comply with the monitoring requirements in accordance with 25 Pa. Code §129.91(i).
- (10) The tissue/towel converting lines shall comply with 25 Pa. Code §129.67, and 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.
- (11) The FRP paint booth shall comply with 25 Pa. Code §129.52 and 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.
- (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.
- (13) All continuous emission monitoring systems 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) Monitor the daily consumption of natural gas (units per day) by the 4M papermachine, and maintain such records for a period of 2 years. These records must be made available to the Department upon request.
- (15) Company shall maintain records in accordance with the minimum recordkeeping requirements of 25 Pa. Code §129.95. At a minimum, this shall include:
 - a. Records shall provide sufficient data and calculations to clearly demonstrate that the requirements of Conditions 4, 5, 7 and 8 are met.
 - b. Data or information required to determine compliance with Conditions 4, 5, 7 and 8 shall be recorded and maintained in a timeframe consistent with the averaging period of the requirements.
 - c. Records shall be maintained for at least two years and be made available to the Department upon request.

- (16) The company shall maintain files containing all records and other data that are required to be collected pursuant to the various provisions of this Operating Permit 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 Operating Permit. 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.
- (17) The auxiliary boiler listed in Item 3 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
- (18) Although routing of the pulp plant vents to the No. 4 boiler has been determined not to be RACT for that source, the pulp plant vents may be vented to the No. 4 boiler to minimize the possibility of odor emissions.
- (19) This Operating Permit supersedes and consolidates the existing Operating Permit Nos. 66-302-005, 66-315-003, 66-315-030 and 66-315-010.
- (20) This Operating Permit incorporates Plan Approval No. 66-328-001A issued for the natural gas turbine. When completed, the terms and conditions of the subsequent Operating Permit will be incorporated in the RACT Operating Permit.
- (21) ~~The expiration date shown on the Operating Permit is for State purposes. For Federal Enforcement purposes, the RACT provisions of 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.~~
- (22) This Operating Permit supersedes the existing Operating Permit 66-0001 issued on May 31, 1995.