**COMMONWEALTH OF PENNSYLVANIA**
**DEPARTMENT OF ENVIRONMENTAL PROTECTION**
**AIR QUALITY PROGRAM**

# TITLE V/STATE OPERATING PERMIT

Issue Date: April 4, 2023 Effective Date: April 4, 2023

Expiration Date: April 4, 2028

In accordance with the provisions of the Air Pollution Control Act, the Act of January 8, 1960, P.L. 2119, as amended, and 25 Pa. Code Chapter 127, the Owner, [and Operator if noted] (hereinafter referred to as permittee) identified below is authorized by the Department of Environmental Protection (Department) to operate the air emission source(s) more fully described in this permit. This Facility is subject to all terms and conditions specified in this permit. Nothing in this permit relieves the permittee from its obligations to comply with all applicable Federal, State and Local laws and regulations.

The regulatory or statutory authority for each permit condition is set forth in brackets. All terms and conditions in this permit are federally enforceable applicable requirements unless otherwise designated as "State-Only" or "non-applicable" requirements.

**TITLE V Permit No: 66-00001**

Federal Tax Id - Plant Code: 31-0590862-1

## Owner Information

Name: PROCTER & GAMBLE PAPER PROD CO

Mailing Address: PO BOX 32
ROUTE 87
MEHOOPANY, PA 18629-0032

## Plant Information

Plant: PROCTER & GAMBLE PAPER PROD CO/MEHOOPANY

Location: 66 Wyoming County 66922 Washington Township

SIC Code: 2621 Manufacturing - Paper Mills

## Responsible Official

Name: CECILIA COLBURN

Title: PLANT MANAGER

Phone: (570) 833 - 3070 Email: colburn.cm@pg.com

## Permit Contact Person

Name: BILL SHAW

Title: SITE ENVIRONMENTAL LEADER

Phone: (570) 240 - 0395 Email: shaw.bh@pg.com

[Signature] _____

*MARK J. WEJKSZNER, NORTHEAST REGION AIR PROGRAM MANAGER*

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## SECTION A. Site Inventory List

| Source ID | Source Name | Capacity/Throughput | Fuel/Material |
|---|---|---|---|
| 031 | NO. 1 GAS BOILER | 233.000 MMBTU/HR | |
| 032A | NO. 2 GAS BOILER | 233.000 MMBTU/HR | |
| 033A | NO. 3 BOILER (PAPER FINES) | 156.000 MMBTU/HR | |
| 034A | NO. 4 GAS BOILER | 172.000 MMBTU/HR | |
| 035 | WESTINGHOUSE 251B12 | 644.000 MMBTU/HR | |
| 038 | COMBINED HEAT AND POWER TURBINE WITH HRSG | 584.000 MMBTU/HR | |
| 038A | FOUR (4) COOLING TOWERS | | |
| 101 | BLDG 62 DIESEL PUMP 1 | | |
| 102 | BLDG 87 DIESEL PUMP 2 | | |
| 103 | DIESEL RIVER PUMP | | |
| 104 | WASTEWATER TREATMENT PUMP | | |
| 105 | STOCK PREP DIESEL GENERATOR | | |
| 106 | 25 GAS SPACE HEATERS | | |
| 108 | 7M/8M BUILDING HEATERS (26 UNITS) | | |
| 109 | BUILDING 57 BACKUP GENERATOR | | |
| 110 | BUILDING 87 DIESEL PUMP 3 | | |
| 501 | PAPERMACHINE 1M | | |
| 502 | PAPERMACHINE 2M | | |
| 503 | PAPERMACHINE 3M | | |
| 504 | PAPERMACHINE 4M | | |
| 505 | PAPERMACHINE 5M | | |
| 506 | PAPERMACHINE 6M | | |
| 507 | PAPERMACHINE 7M | | |
| 508 | PAPERMACHINE 8M | | |
| 601 | AMMONIA STORAGE TANK 12,000 GAL. | | |
| CP2 | ROTOGRAVURE PRINTING PROCESS | | |
| CV1 | CONV. FUGITIVE EMISSIONS | | |
| CV2 | NAPKINS FUGITIVE EMISSIONS (LINES 1 THRU 6) | | |
| DC1 | 40 INK JET PRINTERS (DATE CODE) | | |
| DP18 | DIAPER OPERATIONS CONSISTING OF EIGHTEEN (18) LINES | | |
| ED1 | WASTE WATER TREATMENT FUGITIVE EMISSIONS | | |
| LF1 | CLOSED LANDFILL | | |
| PG11 | PULP PREPARATION AREA | | |
| PG9 | PAPERMAKING FUGITIVES | | |
| PW | SIX (6) PARTS WASHERS | | |
| ST5 | FRP PAINTBOOTH | | |
| C03 | MULTI-CYCLONE FOR BOILER 3 (033A) | | |
| C038A | SELECTIVE CATALYTIC REDUCTION | | |
| C038B | CO CATALYST | | |

## SECTION A. Site Inventory List

| Source ID | Source Name | Capacity/Throughput | Fuel/Material |
|---|---|---|---|
| C04 | SCRUBBER FOR BOILER 3 (033A) | | |
| C502-A | SETTLING CHAMBER FOR PAPERMACHINE 2M | | |
| C503-A | SETTLING CHAMBERS FOR PAPERMACHINE 3M | | |
| C505-A | SETTLING CHAMBER FOR PAPERMACHINE 5M | | |
| C506-A | SETTLING CHAMBER FOR PAPERMACHINE 6M | | |
| C507B | FORMING SECTION-MECH.COLLECTOR-7M | | |
| C507C | 7M-DRY END VENTURI SCRUBBER | | |
| C507D | 7M-REPULPER MECHANICAL COLLECTOR-MIST ELIMINATOR | | |
| C507F | 7M WET DUST COLLECTOR | | |
| C507G | 7M DROPOUT CHAMBER | | |
| C508B | FORMING SECTION-MECH. COLLECTOR-8M | | |
| C508C | 8M-FORMING SECT VENTURI SCRUBBER | | |
| C508D | 8M-REPULPER MECHANICAL COLLECTOR-MIST ELIMINATOR | | |
| C508F | 8M WET DUST COLLECTOR | | |
| C508G | 8M DROPOUT CHAMBER | | |
| CP02 | THERMAL OXIDIZER | | |
| DP018 | CVC 5 BAGHOUSE | | |
| DP030 | CVC-7 BAGHOUSE | | |
| DP031 | WEST DUST RECEIVER BAGHOUSE | | |
| DP032 | CSX-C 32-34 DRUM FILTER | | |
| DP033 | CSX-D 35-37 DRUM FILTER | | |
| DP034 | FSC-29 DRUM FILTER | | |
| DP035 | FSC-32 DRUM FILTER | | |
| DP036 | EAST DUST RECEIVER BAGHOUSE | | |
| DP037 | ETA 38-40 BAGHOUSE | | |
| DP038 | ETA 33 BAGHOUSE | | |
| DP039 | ETA 34-37 BAGHOUSE | | |
| DP040 | ETA 41,42, 44 BAGHOUSE | | |
| DP042 | FSC 47 DRUM FILTER | | |
| DP043 | FSC 46 DRUM FILTER | | |
| DP044 | FSC 45 DRUM FILTER | | |
| DP045 | CSX-B 29-31 DRUM FILTER | | |
| DP046 | FSC 30 DRUM FILTER | | |
| DP047 | FSC31 DRUM FILTER | | |
| DP07 | CVC 14 BAGHOUSE | | |
| G01 | 5M/6M SCRUBBER | | |
| G02 | 2M SCRUBBER | | |
| G03 | 4M SCRUBBER | | |
| G04 | 1M SCRUBBER | | |

## SECTION A. Site Inventory List

| Source ID | Source Name | Capacity/Throughput | Fuel/Material |
|---|---|---|---|
| G05 | 5M UNDER-REPULPER SCRUBBER | | |
| F04 | NATURAL GAS PIPELINE | | |
| F06 | PAPER FIBRE | | |
| 14-11 | CVC 14 STACK | | |
| 14-70A | AZO LINE 47 STACK | | |
| 14-70B | AZO LINE 46 STACK | | |
| 14-70C | AZO LINE 45 STACK | | |
| 14-71 | CVC 7 STACK | | |
| 14-72 | WEST DUST RECEIVER STACK | | |
| 14-73 | AZO LINE 32 & 33 STACK | | |
| 14-73C | AZO LINE 39 STACK | | |
| 14-73D | AZO LINE 40 STACK | | |
| 14-74 | DP036 STACK | | |
| 14-75 | DP037 STACK, WEST AIR WASH BLDG 11 | | |
| 14-76 | DP038 STACK | | |
| 14-77 | DP039 STACK | | |
| 14-78 | DP040 STACK, EAST AIR WASH, BLDG 11 | | |
| 14-79 | DP034 STACK | | |
| 14-80 | FSC32 & CSX C&D STACK | | |
| 14-81 | FSC 45, 46 & CSX B STACK | | |
| 14-81A | FSC 47 STACK | | |
| 14-82 | DP046 STACK | | |
| 14-83 | DP047 STACK | | |
| 14-85 | AZO LINE 34, 35, 36, 37 STACK | | |
| 14-86A | AZO LINE 41 STACK | | |
| 14-86B | AZO LINE 42 STACK | | |
| 14-87 | AZO LINE 44 STACK | | |
| 14-88A | AZO LINE 29 STACK | | |
| 14-88B | AZO LINE 30 STACK | | |
| 14-88C | AZO LINE 31 STACK | | |
| 14-88D | AZO LINE 38 STACK | | |
| 5-19 | CVC 5 STACK | | |
| S01 | BOILERS 1, 2 & 4 STACK | | |
| S01A | BOILER 1, 2 & 4 HEAT RECOVERY STACK | | |
| S03 | BOILER 3 STACK | | |
| S038 | COMBINED HEAT AND POWER TURBINE STACK | | |
| S100 | #1 PULPER HOOD EXHAUST FAN STACK | | |
| S101 | BLDG 62 PUMP 1 STACK | | |
| S102 | BLDG 87 PUMP 2 STACK | | |
| S103 | RIVER PUMP STACK | | |
| S104 | WASTEWATER PUMP STACK | | |

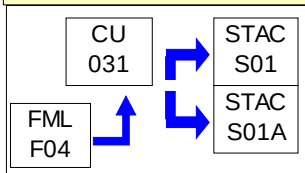
## SECTION A. Site Inventory List

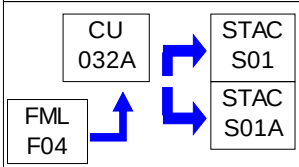
| Source ID | Source Name | Capacity/Throughput | Fuel/Material |
|---|---|---|---|
| S105 | STOCK PREP GENERATOR STACK | | |
| S108 | #5 PULPER HOOD EXHAUST FAN STACK | | |
| S109 | BLDG 57 BACKUP GENERATOR STACK | | |
| S110 | BLDG 87 PUMP 3 STACK | | |
| S41 | 1M HOT AIR STACK | | |
| S42 | 1M YANKEE HOOD EXHAUST | | |
| S43 | 2M PAPER MACHINE MAIN HOT AIR STACK | | |
| S44 | 2M YANKEE HOOD EXHAUST STACK | | |
| S45 | 3M PAPER MACHINE MAIN HOT AIR STACK | | |
| S46 | 3M YANKEE HOOD EXHAUST STACK | | |
| S47 | 4M HOT AIR STACK | | |
| S48 | 4M START-UP STACK | | |
| S49 | 5M HOT AIR STACK | | |
| S50 | 5M YANKEE HOOD EXHAUST | | |
| S502-A | STACK FOR SETTILING CHAMBER-PAPERMACHINE 2M | | |
| S503-A | STACK FOR SETTLING CHAMBER - PAPERMACHINE 3M | | |
| S505-A | STACK FOR SETTLING CHAMBER- PAPERMACHINE 5M | | |
| S506-A | STACK FOR SETTLING CHAMBER - PAPERMACHINE 6M | | |
| S507A | STACK FOR BURNERS-PAPER MACHINE 7 | | |
| S507B | STACK FOR FORMING SECTION- MECH. COLLECTOR-7M | | |
| S507C | STACK FOR VENTURI SCRUBBER-7M | | |
| S507D | REPULPER STACK - 7M | | |
| S507E | STACK FOR GLUE CONTAINMENT AREA-PAPER MACHINE 7 | | |
| S508A | STACK FOR BURNERS-PAPER MACHINE 8 | | |
| S508B | STACK FOR FORMING SECTION-MECH. COLLECTOR-8M | | |
| S508C | STACK FOR VENTURI SCRUBBER- 8M | | |
| S508D | STACK FOR REPULPER- 8M | | |
| S508E | STACK FOR GLUE CONTAINMENT AREA-PAPER MACHINE 8 | | |
| S508G | 7M/8M UNDER PREDRYER STACK | | |
| S51 | 6M HOT AIR STACK | | |
| S52 | 6M YANKEE HOOD EXHAUST | | |
| S54 | THERMAL OXIDIZER STACK | | |
| S64 | 5M/6M SCRUBBER EXHAUST | | |
| S88 | 4M SCRUBBER STACK | | |
| S89 | 2M SCRUBBER STACK | | |
| S90 | TURBINE START-UP STACK | | |
| S91 | 1M SCRUBBER STACK | | |

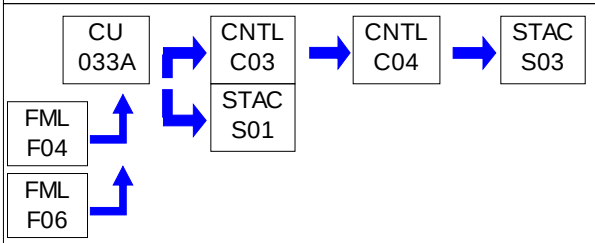
## SECTION A. Site Inventory List

| Source ID | Source Name | Capacity/Throughput | Fuel/Material |
|---|---|---|---|
| S92 | 5M UNDER-REPULPER SCRUBBER STACK | | |
| S93 | FRP PAINT BOOTH STACK | | |
| SGTB3M | STACK GLUE CONTAINMENT BOX 3M PAPER MACHINE | | |
| SGTB5M | STACK GLUE CONTAINMENT BOX 5M PAPER MACHINE | | |
| SGTB6M | STACK GLUE CONTAINMENT BOX 6M PAPER MACHINE | | |
| Z038A | FUGITIVE EMISSIONS FROM THE 4 COOLING TOWERS | | |
| Z106 | 25 SPACE HEATER STACKS | | |
| Z108 | 7M/8M BUILDING HEATERS EXHAUST | | |
| Z601 | AMMONIA STORAGE TANK FUGITIVES | | |
| ZCV1 | CONV. FUGITIVE STACK | | |
| ZCV2 | CONV FUGITIVES | | |
| ZDC1 | FUGITIVE 40 INK JET PRINTERS (DATE CODE) | | |
| ZDP1 | DIAPER CARE FUGITIVE | | |
| ZDP3 | DIAPER FUGITIVES | | |
| ZED1 | WASTE WATER FUGITIVES | | |
| ZLF1 | FUGITIVE EMISSIONS FROM LANDFILL | | |
| ZPG9 | PAPERMAKING FUGITIVES | | |
| ZPW | FUGITIVE EMISSIONS SIX (6) PARTS WASHERS | | |

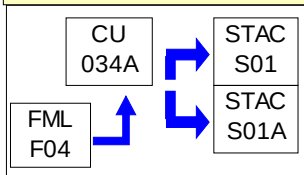
## PERMIT MAPS



## PERMIT MAPS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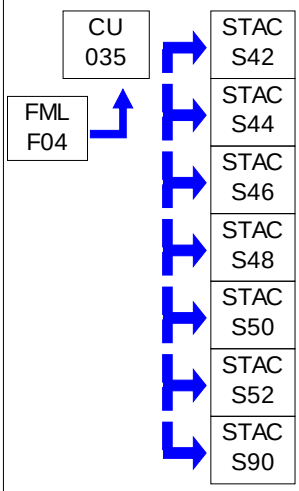
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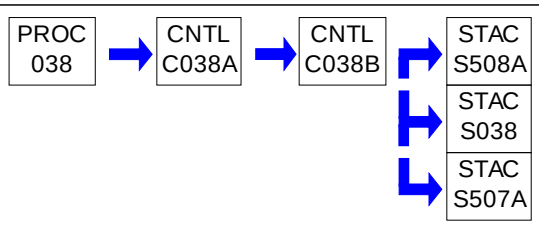
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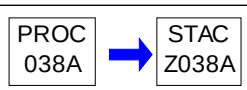
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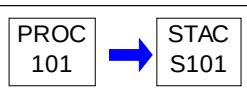
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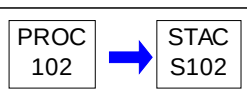
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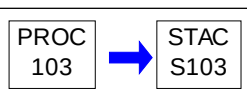
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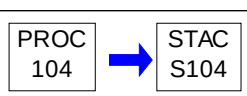
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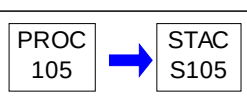
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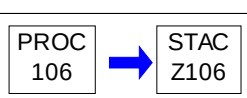
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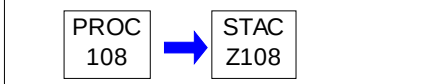
## PERMIT MAPS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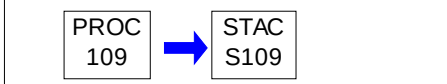
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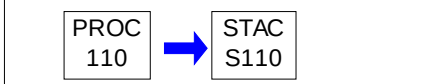
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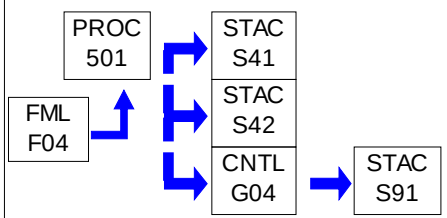
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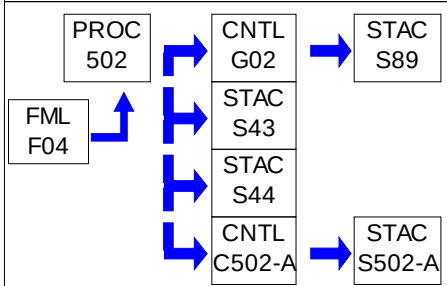
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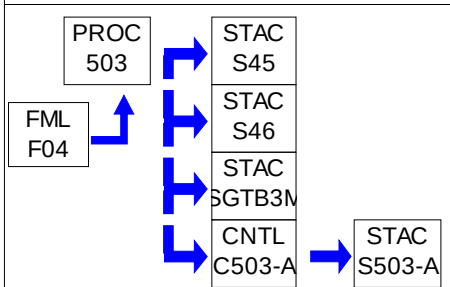
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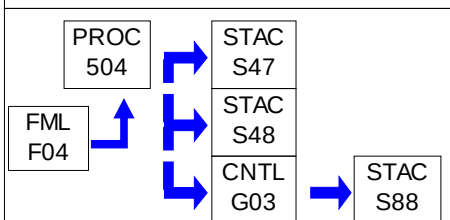
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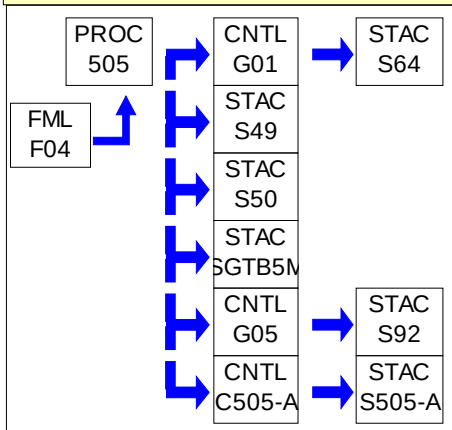
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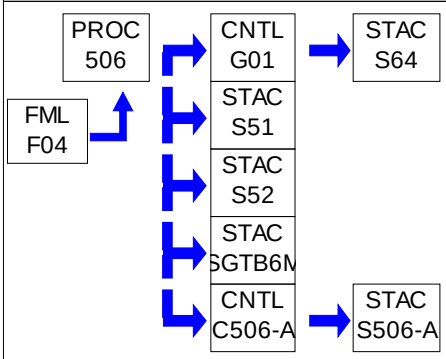
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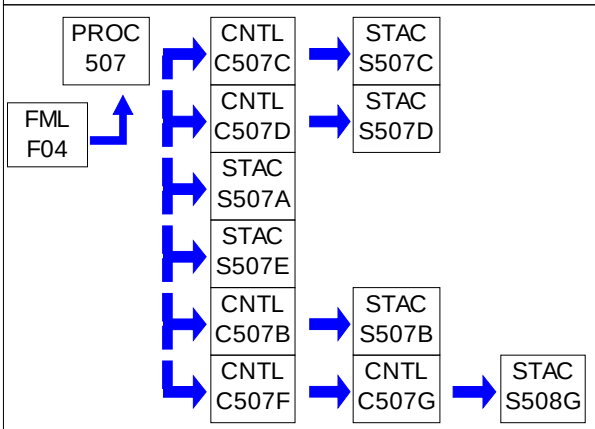
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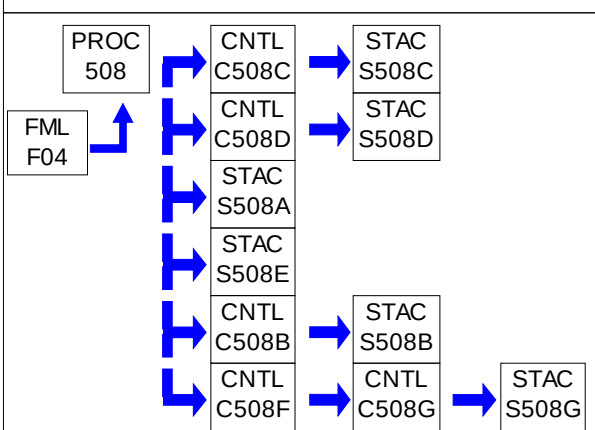
CNTL C507G
STAC S508G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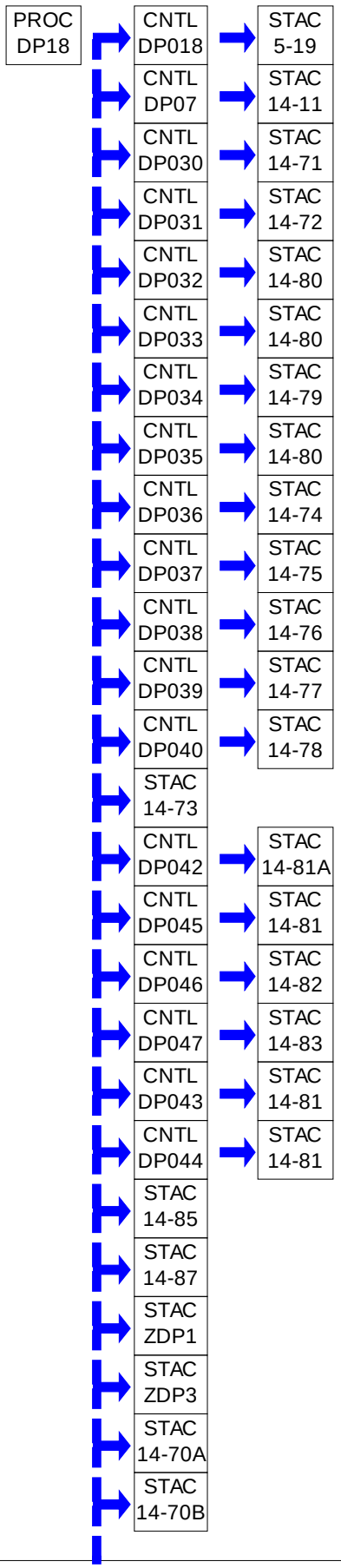
CNTL C508F
CNTL C508G
STAC S508G

## PERMIT MAPS


PROC 601
STAC Z601
PROC CP2
CNTL CP02
STAC S54
PROC CV1
STAC ZCV1
PROC CV2
STAC ZCV2
PROC DC1
STAC ZDC1

## PERMIT MAPS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CNTL DP018
STAC 5-19
CNTL DP07
STAC 14-11
CNTL DP030
STAC 14-71
CNTL DP031
STAC 14-72
CNTL DP032
STAC 14-80
CNTL DP033
STAC 14-80
CNTL DP034
STAC 14-79
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STAC 14-76
CNTL DP039
STAC 14-77
CNTL DP040
STAC 14-78
STAC 14-73
CNTL DP042
STAC 14-81A
CNTL DP045
STAC 14-81
CNTL DP046
STAC 14-82
CNTL DP047
STAC 14-83
CNTL DP043
STAC 14-81
CNTL DP044
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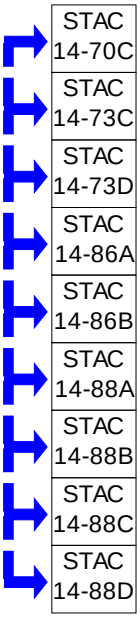
STAC 14-70B

## PERMIT MAPS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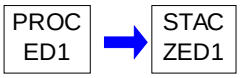
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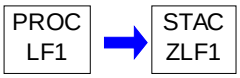
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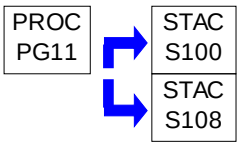
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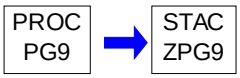
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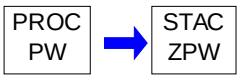
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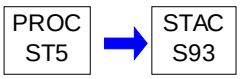
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STAC S93

## SECTION B. General Title V Requirements

**#001 [25 Pa. Code § 121.1]**

**Definitions**

Words and terms that are not otherwise defined in this permit shall have the meanings set forth in Section 3 of the Air Pollution Control Act (35 P.S. § 4003) and 25 Pa. Code § 121.1.

**#002 [25 Pa. Code § 121.7]**

**Prohibition of Air Pollution**

No person may permit air pollution as that term is defined in the act.

**#003 [25 Pa. Code § 127.512(c)(4)]**

**Property Rights**

This permit does not convey property rights of any sort, or any exclusive privileges.

**#004 [25 Pa. Code § 127.446(a) and (c)]**

**Permit Expiration**

This operating permit is issued for a fixed term of five (5) years and shall expire on the date specified on Page 1 of this permit. The terms and conditions of the expired permit shall automatically continue pending issuance of a new Title V permit, provided the permittee has submitted a timely and complete application and paid applicable fees required under 25 Pa. Code Chapter 127, Subchapter I and the Department is unable, through no fault of the permittee, to issue or deny a new permit before the expiration of the previous permit. An application is complete if it contains sufficient information to begin processing the application, has the applicable sections completed and has been signed by a responsible official.

**#005 [25 Pa. Code §§ 127.412, 127.413, 127.414, 127.446(e), 127.503 & 127.704(b)]**

**Permit Renewal**

(a) An application for the renewal of the Title V permit shall be submitted to the Department at least six (6) months, and not more than 18 months, before the expiration date of this permit. The renewal application is timely if a complete application is submitted to the Department's Regional Air Manager within the timeframe specified in this permit condition.

(b) The application for permit renewal shall include the current permit number, the appropriate permit renewal fee, a description of any permit revisions and off-permit changes that occurred during the permit term, and any applicable requirements that were promulgated and not incorporated into the permit during the permit term. The fees shall be made payable to "The Commonwealth of Pennsylvania Clean Air Fund" and submitted with the fee form to the respective regional office.

(c) The renewal application shall also include submission of proof that the local municipality and county, in which the facility is located, have been notified in accordance with 25 Pa. Code § 127.413. The application for renewal of the Title V permit shall also include submission of compliance review forms which have been used by the permittee to update information submitted in accordance with either 25 Pa. Code § 127.412(b) or § 127.412(j).

(d) The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information during the permit renewal process. The permittee shall also promptly provide additional information as necessary to address any requirements that become applicable to the source after the date a complete renewal application was submitted but prior to release of a draft permit.

**#006 [25 Pa. Code §§ 127.450(a)(4) & 127.464(a)]**

**Transfer of Ownership or Operational Control**

(a) In accordance with 25 Pa. Code § 127.450(a)(4), a change in ownership or operational control of the source shall be treated as an administrative amendment if:

(1) The Department determines that no other change in the permit is necessary;

(2) A written agreement has been submitted to the Department identifying the specific date of the transfer of permit responsibility, coverage and liability between the current and the new permittee; and,

(3) A compliance review form has been submitted to the Department and the permit transfer has been approved by

## SECTION B. General Title V Requirements

the Department.

(b) In accordance with 25 Pa. Code § 127.464(a), this permit may not be transferred to another person except in cases of transfer-of-ownership which are documented and approved to the satisfaction of the Department.

**#007 [25 Pa. Code § 127.513, 35 P.S. § 4008 and § 114 of the CAA]**

**Inspection and Entry**

(a) Upon presentation of credentials and other documents as may be required by law for inspection and entry purposes, the permittee shall allow the Department of Environmental Protection or authorized representatives of the Department to perform the following:

(1) Enter at reasonable times upon the permittee's premises where a Title V source is located or emissions related activity is conducted, or where records are kept under the conditions of this permit;

(2) Have access to and copy or remove, at reasonable times, records that are kept under the conditions of this permit;

(3) Inspect at reasonable times, facilities, equipment including monitoring and air pollution control equipment, practices, or operations regulated or required under this permit;

(4) Sample or monitor, at reasonable times, substances or parameters, for the purpose of assuring compliance with the permit or applicable requirements as authorized by the Clean Air Act, the Air Pollution Control Act, or the regulations promulgated under the Acts.

(b) Pursuant to 35 P.S. § 4008, no person shall hinder, obstruct, prevent or interfere with the Department or its personnel in the performance of any duty authorized under the Air Pollution Control Act.

(c) Nothing in this permit condition shall limit the ability of the EPA to inspect or enter the premises of the permittee in accordance with Section 114 or other applicable provisions of the Clean Air Act.

**#008 [25 Pa. Code §§ 127.25, 127.444, & 127.512(c)(1)]**

**Compliance Requirements**

(a) The permittee shall comply with the conditions of this permit. Noncompliance with this permit constitutes a violation of the Clean Air Act and the Air Pollution Control Act and is grounds for one (1) or more of the following:

(1) Enforcement action

(2) Permit termination, revocation and reissuance or modification

(3) Denial of a permit renewal application

(b) A person may not cause or permit the operation of a source, which is subject to 25 Pa. Code Article III, unless the source(s) and air cleaning devices identified in the application for the plan approval and operating permit and the plan approval issued to the source are operated and maintained in accordance with specifications in the applications and the conditions in the plan approval and operating permit issued by the Department. A person may not cause or permit the operation of an air contamination source subject to 25 Pa. Code Chapter 127 in a manner inconsistent with good operating practices.

(c) For purposes of Sub-condition (b) of this permit condition, the specifications in applications for plan approvals and operating permits are the physical configurations and engineering design details which the Department determines are essential for the permittee's compliance with the applicable requirements in this Title V permit.

**#009 [25 Pa. Code § 127.512(c)(2)]**

**Need to Halt or Reduce Activity Not a Defense**

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

## SECTION B. General Title V Requirements

**#010 [25 Pa. Code §§ 127.411(d) & 127.512(c)(5)]**

**Duty to Provide Information**

(a) The permittee shall furnish to the Department, within a reasonable time, information that the Department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit, or to determine compliance with the permit.

(b) Upon request, the permittee shall also furnish to the Department copies of records that the permittee is required to keep by this permit, or for information claimed to be confidential, the permittee may furnish such records directly to the Administrator of EPA along with a claim of confidentiality.

**#011 [25 Pa. Code §§ 127.463, 127.512(c)(3) & 127.542]**

**Reopening and Revising the Title V Permit for Cause**

(a) This Title V permit may be modified, revoked, reopened and reissued or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay a permit condition.

(b) This permit may be reopened, revised and reissued prior to expiration of the permit under one or more of the following circumstances:

(1) Additional applicable requirements under the Clean Air Act or the Air Pollution Control Act become applicable to a Title V facility with a remaining permit term of three (3) or more years prior to the expiration date of this permit. The Department will revise the permit as expeditiously as practicable but not later than 18 months after promulgation of the applicable standards or regulations. No such revision is required if the effective date of the requirement is later than the expiration date of this permit, unless the original permit or its terms and conditions has been extended.

(2) Additional requirements, including excess emissions requirements, become applicable to an affected source under the acid rain program. Upon approval by the Administrator of EPA, excess emissions offset plans for an affected source shall be incorporated into the permit.

(3) The Department or the EPA determines that this permit contains a material mistake or inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit.

(4) The Department or the Administrator of EPA determines that the permit must be revised or revoked to assure compliance with the applicable requirements.

(c) Proceedings to revise this permit shall follow the same procedures which apply to initial permit issuance and shall affect only those parts of this permit for which cause to revise exists. The revision shall be made as expeditiously as practicable.

(d) Regardless of whether a revision is made in accordance with (b)(1) above, the permittee shall meet the applicable standards or regulations promulgated under the Clean Air Act within the time frame required by standards or regulations.

**#012 [25 Pa. Code § 127.543]**

**Reopening a Title V Permit for Cause by EPA**

As required by the Clean Air Act and regulations adopted thereunder, this permit may be modified, reopened and reissued, revoked or terminated for cause by EPA in accordance with procedures specified in 25 Pa. Code § 127.543.

**#013 [25 Pa. Code § 127.522(a)]**

**Operating Permit Application Review by the EPA**

The applicant may be required by the Department to provide a copy of the permit application, including the compliance plan, directly to the Administrator of the EPA. Copies of title V permit applications to EPA, pursuant to 25 PA Code §127.522(a), shall be submitted, if required, to the following EPA e-mail box:

R3_Air_Apps_and_Notices@epa.gov

Please place the following in the subject line: TV [permit number], [Facility Name].

## SECTION B. General Title V Requirements

**#014 [25 Pa. Code § 127.541]**

**Significant Operating Permit Modifications**

When permit modifications during the term of this permit do not qualify as minor permit modifications or administrative amendments, the permittee shall submit an application for significant Title V permit modifications in accordance with 25 Pa. Code § 127.541. Notifications to EPA, pursuant to 25 PA Code §127.522(a), if required, shall be submitted, to the following EPA e-mail box:

R3_Air_Apps_and_Notices@epa.gov

Please place the following in the subject line: TV [permit number], [Facility Name].

**#015 [25 Pa. Code §§ 121.1 & 127.462]**

**Minor Operating Permit Modifications**

The permittee may make minor operating permit modifications (as defined in 25 Pa. Code §121.1), on an expedited basis, in accordance with 25 Pa. Code §127.462 (relating to minor operating permit modifications). Notifications to EPA, pursuant to 25 PA Code §127.462(c), if required, shall be submitted, to the following EPA e-mail box:

R3_Air_Apps_and_Notices@epa.gov

Please place the following in the subject line: TV [permit number], [Facility Name].

**#016 [25 Pa. Code § 127.450]**

**Administrative Operating Permit Amendments**

(a) The permittee may request administrative operating permit amendments, as defined in 25 Pa. Code §127.450(a). Copies of request for administrative permit amendment to EPA, pursuant to 25 PA Code §127.450(c)(1), if required, shall be submitted to the following EPA e-mail box:

R3_Air_Apps_and_Notices@epa.gov

Please place the following in the subject line: TV [permit number], [Facility Name].

(b) Upon final action by the Department granting a request for an administrative operating permit amendment covered under §127.450(a)(5), the permit shield provisions in 25 Pa. Code § 127.516 (relating to permit shield) shall apply to administrative permit amendments incorporated in this Title V Permit in accordance with §127.450(c), unless precluded by the Clean Air Act or the regulations thereunder.

**#017 [25 Pa. Code § 127.512(b)]**

**Severability Clause**

The provisions of this permit are severable, and if any provision of this permit is determined by the Environmental Hearing Board or a court of competent jurisdiction, or US EPA to be invalid or unenforceable, such a determination will not affect the remaining provisions of this permit.

**#018 [25 Pa. Code §§ 127.704, 127.705 & 127.707]**

**Fee Payment**

(a) The permittee shall pay fees to the Department in accordance with the applicable fee schedules in 25 Pa. Code Chapter 127, Subchapter I (relating to plan approval and operating permit fees). The applicable fees shall be made payable to "The Commonwealth of Pennsylvania Clean Air Fund" with the permit number clearly indicated and submitted to the respective regional office.

(b) Emission Fees. The permittee shall, on or before September 1st of each year, pay applicable annual Title V emission fees for emissions occurring in the previous calendar year as specified in 25 Pa. Code § 127.705. The permittee is not required to pay an emission fee for emissions of more than 4,000 tons of each regulated pollutant emitted from the facility.

(c) As used in this permit condition, the term "regulated pollutant" is defined as a VOC, each pollutant regulated under Sections 111 and 112 of the Clean Air Act and each pollutant for which a National Ambient Air Quality Standard has been promulgated, except that carbon monoxide is excluded.

## SECTION B. General Title V Requirements

(d) Late Payment. Late payment of emission fees will subject the permittee to the penalties prescribed in 25 Pa. Code § 127.707 and may result in the suspension or termination of the Title V permit. The permittee shall pay a penalty of fifty percent (50%) of the fee amount, plus interest on the fee amount computed in accordance with 26 U.S.C.A. § 6621(a)(2) from the date the emission fee should have been paid in accordance with the time frame specified in 25 Pa. Code § 127.705(c).

(e) The permittee shall pay an annual operating permit maintenance fee according to the following fee schedule established in 25 Pa. Code § 127.704(d) on or before December 31 of each year for the next calendar year.

(1) Eight thousand dollars ($8,000) for calendar years 2021—2025.

(2) Ten thousand dollars ($10,000) for calendar years 2026—2030.

(3) Twelve thousand five hundred dollars ($12,500) for the calendar years beginning with 2031.

**#019 [25 Pa. Code §§ 127.14(b) & 127.449]**

**Authorization for De Minimis Emission Increases**

(a) This permit authorizes de minimis emission increases from a new or existing source in accordance with 25 Pa. Code §§ 127.14 and 127.449 without the need for a plan approval or prior issuance of a permit modification. The permittee shall provide the Department with seven (7) days prior written notice before commencing any de minimis emissions increase that would result from either: (1) a physical change of minor significance under § 127.14(c)(1); or (2) the construction, installation, modification or reactivation of an air contamination source. The written notice shall:

(1) Identify and describe the pollutants that will be emitted as a result of the de minimis emissions increase.

(2) Provide emission rates expressed in tons per year and in terms necessary to establish compliance consistent with any applicable requirement.

The Department may disapprove or condition de minimis emission increases at any time.

(b) Except as provided below in (c) and (d) of this permit condition, the permittee is authorized during the term of this permit to make de minimis emission increases (expressed in tons per year) up to the following amounts without the need for a plan approval or prior issuance of a permit modification:

(1) Four tons of carbon monoxide from a single source during the term of the permit and 20 tons of carbon monoxide at the facility during the term of the permit.

(2) One ton of NOx from a single source during the term of the permit and 5 tons of NOx at the facility during the term of the permit.

(3) One and six-tenths tons of the oxides of sulfur from a single source during the term of the permit and 8.0 tons of oxides of sulfur at the facility during the term of the permit.

(4) Six-tenths of a ton of PM10 from a single source during the term of the permit and 3.0 tons of PM10 at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act or 25 Pa. Code Article III.

(5) One ton of VOCs from a single source during the term of the permit and 5.0 tons of VOCs at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act or 25 Pa. Code Article III.

(c) In accordance with § 127.14, the permittee may install the following minor sources without the need for a plan approval:

(1) Air conditioning or ventilation systems not designed to remove pollutants generated or released from other sources.

(2) Combustion units rated at 2,500,000 or less Btu per hour of heat input.

## SECTION B. General Title V Requirements

(3) Combustion units with a rated capacity of less than 10,000,000 Btu per hour heat input fueled by natural gas supplied by a public utility, liquefied petroleum gas or by commercial fuel oils which are No. 2 or lighter, viscosity less than or equal to 5.82 c St, and which meet the sulfur content requirements of 25 Pa. Code § 123.22 (relating to combustion units). For purposes of this permit, commercial fuel oil shall be virgin oil which has no reprocessed, recycled or waste material added.

(4) Space heaters which heat by direct heat transfer.

(5) Laboratory equipment used exclusively for chemical or physical analysis.

(6) Other sources and classes of sources determined to be of minor significance by the Department.

(d) This permit does not authorize de minimis emission increases if the emissions increase would cause one or more of the following:

(1) Increase the emissions of a pollutant regulated under Section 112 of the Clean Air Act except as authorized in Subparagraphs (b)(4) and (5) of this permit condition.

(2) Subject the facility to the prevention of significant deterioration requirements in 25 Pa. Code Chapter 127, Subchapter D and/or the new source review requirements in Subchapter E.

(3) Violate any applicable requirement of the Air Pollution Control Act, the Clean Air Act, or the regulations promulgated under either of the acts.

(4) Changes which are modifications under any provision of Title I of the Clean Air Act and emission increases which would exceed the allowable emissions level (expressed as a rate of emissions or in terms of total emissions) under the Title V permit.

(e) Unless precluded by the Clean Air Act or the regulations thereunder, the permit shield described in 25 Pa. Code § 127.516 (relating to permit shield) shall extend to the changes made under 25 Pa. Code § 127.449 (relating to de minimis emission increases).

(f) Emissions authorized under this permit condition shall be included in the monitoring, recordkeeping and reporting requirements of this permit.

(g) Except for de minimis emission increases allowed under this permit, 25 Pa. Code § 127.449, or sources and physical changes meeting the requirements of 25 Pa. Code § 127.14, the permittee is prohibited from making physical changes or engaging in activities that are not specifically authorized under this permit without first applying for a plan approval. In accordance with § 127.14(b), a plan approval is not required for the construction, modification, reactivation, or installation of the sources creating the de minimis emissions increase.

(h) The permittee may not meet de minimis emission threshold levels by offsetting emission increases or decreases at the same source.

**#020 [25 Pa. Code §§ 127.11a & 127.215]**

**Reactivation of Sources**

(a) The permittee may reactivate a source at the facility that has been out of operation or production for at least one year, but less than or equal to five (5) years, if the source is reactivated in accordance with the requirements of 25 Pa. Code §§ 127.11a and 127.215. The reactivated source will not be considered a new source.

(b) A source which has been out of operation or production for more than five (5) years but less than 10 years may be reactivated and will not be considered a new source if the permittee satisfies the conditions specified in 25 Pa. Code § 127.11a(b).

**#021 [25 Pa. Code §§ 121.9 & 127.216]**

**Circumvention**

(a) The owner of this Title V facility, or any other person, may not circumvent the new source review requirements of 25 Pa. Code Chapter 127, Subchapter E by causing or allowing a pattern of ownership or development, including the

## SECTION B. General Title V Requirements

phasing, staging, delaying or engaging in incremental construction, over a geographic area of a facility which, except for the pattern of ownership or development, would otherwise require a permit or submission of a plan approval application.

(b) No person may permit the use of a device, stack height which exceeds good engineering practice stack height, dispersion technique or other technique which, without resulting in reduction of the total amount of air contaminants emitted, conceals or dilutes an emission of air contaminants which would otherwise be in violation of this permit, the Air Pollution Control Act or the regulations promulgated thereunder, except that with prior approval of the Department, the device or technique may be used for control of malodors.

**#022 [25 Pa. Code §§ 127.402(d) & 127.513(1)]**

**Submissions**

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

Regional Air Program Manager
PA Department of Environmental Protection
(At the address given on the permit transmittal letter, or otherwise notified)

(b) Any report or notification for the EPA Administrator or EPA Region III should be addressed to:

Enforcement & Compliance Assurance Division
Air, RCRA and Toxics Branch (3ED21)
Four Penn Center
1600 John F. Kennedy Boulevard
Philadelphia, PA 19103-2852

The Title V compliance certification shall be emailed to EPA at R3_APD_Permits@epa.gov.

(c) An application, form, report or compliance certification submitted pursuant to this permit condition shall contain certification by a responsible official as to truth, accuracy, and completeness as required under 25 Pa. Code § 127.402(d). Unless otherwise required by the Clean Air Act or regulations adopted thereunder, this certification and any other certification required pursuant to this permit shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.

**#023 [25 Pa. Code §§ 127.441(c) & 127.463(e); Chapter 139; & 114(a)(3), 504(b) of the CAA]**

**Sampling, Testing and Monitoring Procedures**

(a) The permittee shall perform the emissions monitoring and analysis procedures or test methods for applicable requirements of this Title V permit. In addition to the sampling, testing and monitoring procedures specified in this permit, the Permittee shall comply with any additional applicable requirements promulgated under the Clean Air Act after permit issuance regardless of whether the permit is revised.

(b) The sampling, testing and monitoring required under the applicable requirements of this permit, shall be conducted in accordance with the requirements of 25 Pa. Code Chapter 139 unless alternative methodology is required by the Clean Air Act (including §§ 114(a)(3) and 504(b)) and regulations adopted thereunder.

**#024 [25 Pa. Code § 127.513]**

**Compliance Certification**

(a) One year after the date of issuance of the Title V permit, and each year thereafter, unless specified elsewhere in the permit, the permittee shall submit to the Department and EPA Region III a certificate of compliance with the terms and conditions in this permit, for the previous year, including the emission limitations, standards or work practices. This certification shall include:

(1) The identification of each term or condition of the permit that is the basis of the certification.
(2) The compliance status.
(3) The methods used for determining the compliance status of the source, currently and over the reporting period.
(4) Whether compliance was continuous or intermittent.

(b) The compliance certification shall be postmarked or hand-delivered no later than thirty days after each anniversary of

## SECTION B. General Title V Requirements

the date of issuance of this Title V Operating Permit, or on the submittal date specified elsewhere in the permit, to the Department in accordance with the submission requirements specified in Section B, Condition #022 of this permit. The Title V compliance certification shall be emailed to EPA at R3_APD_Permits@epa.gov.

**#025 [25 Pa. Code §§ 127.511 & Chapter 135]**

**Recordkeeping Requirements**

(a) The permittee shall maintain and make available, upon request by the Department, records of required monitoring information that include the following:

(1) The date, place (as defined in the permit) and time of sampling or measurements.

(2) The dates the analyses were performed.

(3) The company or entity that performed the analyses.

(4) The analytical techniques or methods used.

(5) The results of the analyses.

(6) The operating conditions as existing at the time of sampling or measurement.

(b) The permittee shall retain records of the required monitoring data and supporting information for at least five (5) years from the date of the monitoring sample, measurement, report or application. Supporting information includes the calibration data and maintenance records and original strip-chart recordings for continuous monitoring instrumentation, and copies of reports required by the permit.

(c) The permittee shall maintain and make available to the Department upon request, records including computerized records that may be necessary to comply with the reporting, recordkeeping and emission statement requirements in 25 Pa. Code Chapter 135 (relating to reporting of sources). In accordance with 25 Pa. Code Chapter 135, § 135.5, such records may include records of production, fuel usage, maintenance of production or pollution control equipment or other information determined by the Department to be necessary for identification and quantification of potential and actual air contaminant emissions. If direct recordkeeping is not possible or practical, sufficient records shall be kept to provide the needed information by indirect means.

**#026 [25 Pa. Code §§ 127.411(d), 127.442, 127.463(e) & 127.511(c)]**

**Reporting Requirements**

(a) The permittee shall comply with the reporting requirements for the applicable requirements specified in this Title V permit. In addition to the reporting requirements specified herein, the permittee shall comply with any additional applicable reporting requirements promulgated under the Clean Air Act after permit issuance regardless of whether the permit is revised.

(b) Pursuant to 25 Pa. Code § 127.511(c), the permittee shall submit reports of required monitoring at least every six (6) months unless otherwise specified in this permit. Instances of deviations (as defined in 25 Pa. Code § 121.1) from permit requirements shall be clearly identified in the reports. The reporting of deviations shall include the probable cause of the deviations and corrective actions or preventative measures taken, except that sources with continuous emission monitoring systems shall report according to the protocol established and approved by the Department for the source. The required reports shall be certified by a responsible official.

(c) Every report submitted to the Department under this permit condition shall comply with the submission procedures specified in Section B, Condition #022(c) of this permit.

(d) Any records, reports or information obtained by the Department or referred to in a public hearing shall be made available to the public by the Department except for such records, reports or information for which the permittee has shown cause that the documents should be considered confidential and protected from disclosure to the public under Section 4013.2 of the Air Pollution Control Act and consistent with Sections 112(d) and 114(c) of the Clean Air Act and 25 Pa. Code § 127.411(d). The permittee may not request a claim of confidentiality for any emissions data generated for the Title V facility.

## SECTION B. General Title V Requirements

**#027 [25 Pa. Code § 127.3]**

**Operational Flexibility**

The permittee is authorized to make changes within the Title V facility in accordance with the following provisions in 25 Pa. Code Chapter 127 which implement the operational flexibility requirements of Section 502(b)(10) of the Clean Air Act and Section 6.1(i) of the Air Pollution Control Act:

(1) Section 127.14 (relating to exemptions)

(2) Section 127.447 (relating to alternative operating scenarios)

(3) Section 127.448 (relating to emissions trading at facilities with federally enforceable emissions caps)

(4) Section 127.449 (relating to de minimis emission increases)

(5) Section 127.450 (relating to administrative operating permit amendments)

(6) Section 127.462 (relating to minor operating permit amendments)

(7) Subchapter H (relating to general plan approvals and operating permits)

**#028 [25 Pa. Code §§ 127.441(d), 127.512(i) and 40 CFR Part 68]**

**Risk Management**

(a) If required by Section 112(r) of the Clean Air Act, the permittee shall develop and implement an accidental release program consistent with requirements of the Clean Air Act, 40 CFR Part 68 (relating to chemical accident prevention provisions) and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act (P.L. 106-40).

(b) The permittee shall prepare and implement a Risk Management Plan (RMP) which meets the requirements of Section 112(r) of the Clean Air Act, 40 CFR Part 68 and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act when a regulated substance listed in 40 CFR § 68.130 is present in a process in more than the listed threshold quantity at the Title V facility. The permittee shall submit the RMP to the federal Environmental Protection Agency according to the following schedule and requirements:

(1) The permittee shall submit the first RMP to a central point specified by EPA no later than the latest of the following:

(i) Three years after the date on which a regulated substance is first listed under § 68.130; or,
(ii) The date on which a regulated substance is first present above a threshold quantity in a process.

(2) The permittee shall submit any additional relevant information requested by the Department or EPA concerning the RMP and shall make subsequent submissions of RMPs in accordance with 40 CFR § 68.190.

(3) The permittee shall certify that the RMP is accurate and complete in accordance with the requirements of 40 CFR Part 68, including a checklist addressing the required elements of a complete RMP.

(c) As used in this permit condition, the term "process" shall be as defined in 40 CFR § 68.3. The term "process" means any activity involving a regulated substance including any use, storage, manufacturing, handling, or on-site movement of such substances or any combination of these activities. For purposes of this definition, any group of vessels that are interconnected, or separate vessels that are located such that a regulated substance could be involved in a potential release, shall be considered a single process.

(d) If the Title V facility is subject to 40 CFR Part 68, as part of the certification required under this permit, the permittee shall:

(1) Submit a compliance schedule for satisfying the requirements of 40 CFR Part 68 by the date specified in 40 CFR § 68.10(a); or,

(2) Certify that the Title V facility is in compliance with all requirements of 40 CFR Part 68 including the registration and submission of the RMP.

## SECTION B. General Title V Requirements

(e) If the Title V facility is subject to 40 CFR Part 68, the permittee shall maintain records supporting the implementation of an accidental release program for five (5) years in accordance with 40 CFR § 68.200.

(f) When the Title V facility is subject to the accidental release program requirements of Section 112(r) of the Clean Air Act and 40 CFR Part 68, appropriate enforcement action will be taken by the Department if:

(1) The permittee fails to register and submit the RMP or a revised plan pursuant to 40 CFR Part 68.

(2) The permittee fails to submit a compliance schedule or include a statement in the compliance certification required under Section B, Condition #026 of this permit that the Title V facility is in compliance with the requirements of Section 112(r) of the Clean Air Act, 40 CFR Part 68, and 25 Pa. Code § 127.512(i).

**#029 [25 Pa. Code § 127.512(e)]**

**Approved Economic Incentives and Emission Trading Programs**

No permit revision shall be required under approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this Title V permit.

**#030 [25 Pa. Code §§ 127.516, 127.450(d), 127.449(f) & 127.462(g)]**

**Permit Shield**

(a) The permittee's compliance with the conditions of this permit shall be deemed in compliance with applicable requirements (as defined in 25 Pa. Code § 121.1) as of the date of permit issuance if either of the following applies:

(1) The applicable requirements are included and are specifically identified in this permit.

(2) The Department specifically identifies in the permit other requirements that are not applicable to the permitted facility or source.

(b) Nothing in 25 Pa. Code § 127.516 or the Title V permit shall alter or affect the following:

(1) The provisions of Section 303 of the Clean Air Act, including the authority of the Administrator of the EPA provided thereunder.

(2) The liability of the permittee for a violation of an applicable requirement prior to the time of permit issuance.

(3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act.

(4) The ability of the EPA to obtain information from the permittee under Section 114 of the Clean Air Act.

(c) Unless precluded by the Clean Air Act or regulations thereunder, final action by the Department incorporating a significant permit modification in this Title V Permit shall be covered by the permit shield at the time that the permit containing the significant modification is issued.

**#031 [25 Pa. Code §135.3]**

**Reporting**

(a) The permittee shall submit by March 1 of each year an annual emissions report for the preceding calendar year. The report shall include information for all active previously reported sources, new sources which were first operated during the preceding calendar year, and sources modified during the same period which were not previously reported. All air emissions from the facility should be estimated and reported.

(b) A source owner or operator may request an extension of time from the Department for the filing of an annual emissions report, and the Department may grant the extension for reasonable cause.

**#032 [25 Pa. Code §135.4]**

**Report Format**

Emissions reports shall contain sufficient information to enable the Department to complete its emission inventory. Emissions reports shall be made by the source owner or operator in a format specified by the Department.

## SECTION C. Site Level Requirements

### I. RESTRICTIONS.

### Emission Restriction(s).

**# 001 [25 Pa. Code §123.1]**

**Prohibition of certain fugitive emissions**

The permittee may not permit the emission into the outdoor atmosphere of a fugitive air contaminant from a source other than the following:

(a) Construction or demolition of buildings or structures.

(b) Grading, paving and maintenance of roads and streets.

(c) Use of roads and streets. Emissions from material in or on trucks, railroad cars and other vehicular equipment are not considered as emissions from use of roads and streets.

(d) Clearing of land.

(e) Stockpiling of materials.

(f) Open burning operations.

(g) Sources and classes of sources other than those identified in paragraphs (a)-(f), for which the operator has obtained a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements:

(1) the emissions are of minor significance with respect to causing air pollution; and
(2) the emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

**# 002 [25 Pa. Code §123.11]**

**Combustion units**

(a) A person may not permit the emission into the outdoor atmosphere of particulate matter from a combustion unit in excess of the following:

(1) The rate of 0.4 pound per million Btu of heat input, when the heat input to the combustion unit in millions of Btus per hour is greater than 2.5 but less than 50.

(2) The rate determined by the following formula:

A = 3.6E^-0.56

where:

A = Allowable emissions in pounds per million Btus of heat input, and

E = Heat input to the combustion unit in millions of Btus per hour,

when E is equal to or greater than 50 but less than 600.

(3) The rate of 0.1 pound per million Btu of heat input when the heat input to the combustion unit in millions of Btus per hour is equal to or greater than 600.

(b) Allowable emissions under subsection (a) are graphically indicated in Appendix A.

**# 003 [25 Pa. Code §123.13]**

**Processes**

(a) Subsections (b) apply to all processes except combustion units, incinerators and pulp mill smelt dissolving tanks.

Allowable emissions. Allowable emissions under this subsection are graphically indicated in Appendix B.

## SECTION C. Site Level Requirements

(c) For processes not listed in subsection (b)(1), including but not limited to, coke oven battery waste heat stacks and autogeneous zinc coker waste heat stacks, the following shall apply:

(1) Prohibited emissions. No person may permit the emission into the outdoor atmosphere of particulate matter from any process not listed in subsection (b)(1) in a manner that the concentration of particulate matter in the effluent gas exceeds any of the following:

(i) .04 grain per dry standard cubic foot, when the effluent gas volume is less than 150,000 dry standard cubic feet per minute.

(ii) The rate determined by the formula:

A = 6000/E
where:
A = Allowable emissions in grains per dry standard cubic foot, and
E = Effluent gas volume in dry standard cubic feet per minute,
when E is equal to or greater than 150,000 but less than 300,000.

(iii) .02 grain per dry standard cubic foot, when the effluent gas volume is greater than 300,000 dry standard cubic feet per minute.

(2) Allowable emissions. Allowable emissions under this subsection are graphically indicated in Appendix C.

**# 004 [25 Pa. Code §123.2]**

**Fugitive particulate matter**

The permittee may not permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in Site Level Condition #001 (relating to prohibition of certain fugitive emissions) if such emissions are visible at the point the emissions pass outside the person's property.

**# 005 [25 Pa. Code §123.31]**

**Limitations**

MALODOR EMISSIONS

The permittee may not permit the emission into the outdoor atmosphere of any malodorous air contaminants from any source in such a manner that the malodors are detectable outside the property of the person on whose land the source is being operated.

**# 006 [25 Pa. Code §123.41]**

**Limitations**

VISIBLE EMISSIONS

(a) A person may not permit the emission into the outdoor atmosphere of visible air contaminants in such a manner that the opacity of the emission is either of the following:

(1) Equal to or greater than 20% for a period or periods aggregating more than three minutes in any 1 hour.

(2) Equal to or greater than 60% at any time.

(b) The limitations of section (a) shall not apply to a visible emission in any of the following instances:

(1) When the presence of uncombined water is the only reason for failure of the emission to meet the limitations.

(2) When the emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emission.

(3) When the emission results from sources specified in Site Level Condition #001 (relating to prohibition of certain fugitive emissions).

## SECTION C. Site Level Requirements

**# 007 [25 Pa. Code §127.448]**

**Emissions trading at facilities with Federally enforceable emissions cap.**

(a) The owner or operator of a facility with a Federally enforceable emissions cap may trade increases and decreases in emissions between sources with Federally enforceable emissions caps at the permitted facility, when the applicable SIP and this article provide for the emissions trades without requiring a permit revision and when the owner or operator of the facility provides 7 days written notice to the Department prior to the proposed change. This subsection is applicable when the permit does not already provide for the emissions trading.

(b) The written notification required by subsection (a) shall include information required by the SIP and this article authorizing the emissions trade, including at a minimum, when the proposed change will occur, a description of each change, changes in emissions that will occur as a result of the change from any source within the facility, the permit requirements with which the source will comply using the emissions trading provisions of the applicable implementation plan and this article and the air contaminants emitted subject to the emissions trade. The notice shall also refer to the provisions with which the source will comply in the applicable implementation plan and this article that provide for the emissions trade.

(c) Unless precluded by the Clean Air Act or the regulations thereunder, the permit shield described in Section 127.516 (relating to permit shield) extends to a change made under this section. Compliance with the permit requirements that the source will meet using the emissions trade shall be determined according to requirements of the SIP and this article authorizing the emissions trade.

(d) If a permit applicant requests it, the Department may issue permits that contain terms and conditions allowing for the trading of emissions increases and decreases in the permitted facility solely for the purpose of complying with Federally-enforceable emissions caps that are established in the permit independent of otherwise applicable requirements. The permit applicant shall include in its application proposed replicable procedures and permit terms that ensure the emissions trades are quantifiable and enforceable. The Department will not include in the emissions trading provisions sources for which emissions are not quantifiable or for which there are no replicable procedures to enforce the emissions trades. The permit shall also require compliance with applicable requirements.

(1) The facility shall provide 7 days written notice to the Department of the proposed trade.

(2) In addition to the information contained in subsection (b), the notice shall also state how the increases and decreases in emissions will comply with the terms and conditions of the permit.

**# 008 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

Pursuant to the Maximum Achievable Control Technology (MACT) Standards for Hazardous Air Pollutants (HAP) provisions of 25 Pa. Code Section 127.35, HAP emissions from the facility shall be less than 10 tons for any single HAP and 25 tons aggregate for any combination of HAPs during any consecutive 12-month rolling period. HAP emissions shall not exceed these thresholds for the period beginning November 2, 2015 through November 2, 2016, and for each 12-month rolling period thereafter.

### II. TESTING REQUIREMENTS.

**# 009 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

[Authority for this condition is also derived from 25 Pa. Code, Section 129.92]

(a) If requested by the Department, the permittee shall perform a stack test within the time frame specified by the Department.

(b) All performance tests shall be conducted in accordance with the Department's source testing procedures described in the latest Source Testing Manual reference in 25 Pa. Code, Section 139.4(5).

**# 010 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

(1) If at any time the Department has cause to believe that air contaminant emissions from the aforementioned source(s)

## SECTION C. Site Level Requirements

may be in excess of the limitations specified in, or established pursuant to, any applicable rule or regulation contained in Article III of the Rules and Regulations of the Department of Environmental Protection, the company shall be required to conduct whatever tests are deemed necessary by the Department. Such testing shall be conducted in accordance with the revisions of Chapter 139 of the Rules and Regulations Environmental Protection, where applicable, and in accordance with any restrictions or limitations established by the Department at such time as it notifies the company that testing is required.

(2) The company shall not impose conditions upon or otherwise restrict the Department's access to the aforementioned source(s) and/or any associated air cleaning device(s) and shall allow the Department to have access at any time to said source(s) and associated air cleaning device(s) with such measuring and recording equipment, and proper for performing its duties and for the effective enforcement of the Air Pollution Control Act.

**# 011 [25 Pa. Code §139.1]**

**Sampling facilities.**

Upon the request of the Department, the person responsible for a source shall provide adequate sampling ports, safe sampling platforms and adequate utilities for the performance by the Department of tests on the source. The Department will set forth, in the request, the time period within which the facilities shall be provided, as well as the specifications for the facilities.

**# 012 [25 Pa. Code §139.11]**

**General requirements.**

The following provisions are applicable to source tests for determining emissions from stationary sources:

(1) Performance tests shall be conducted while the source is operating at maximum routine operating conditions or under such other conditions, within the capacity of the equipment, as may be requested by the Department.

(2) The Department will consider test results for approval where sufficient information is provided to verify the source conditions existing at the time of the test and where adequate data is available to show the manner in which the test was conducted. Information submitted to the Department shall include, as a minimum, all of the following:

(i) A thorough source description, including a description of air cleaning devices and the flue.
(ii) Process conditions, for example, the charging rate of raw material or rate of production of final product, boiler pressure, oven temperature and other conditions which may affect emissions from the process.
(iii) The location of the sampling ports.
(iv) Effluent characteristics, including velocity, temperature, moisture content, gas density (percentage of CO, CO2, O2 and N2), static and barometric pressures.
(v) Sample collection techniques employed, including procedures used, equipment descriptions and data to verify that isokinetic sampling for particulate matter collection occurred and that acceptable test conditions were met.
(vi) Laboratory procedures and results.
(vii) Calculated results.

**# 013 [25 Pa. Code §139.2]**

**Sampling by others.**

Sampling and testing done by persons other than the Department may be accepted by the Department, provided that:

(1) The Department has been given reasonable notice of the sampling and testing and has been given reasonable opportunity to observe and participate in the sampling and testing.

(2) The sampling and testing is conducted under the direct supervision of persons qualified, by training and experience, to conduct the sampling and testing.

(3) Procedures for the sampling and testing are in accord with the provisions of this chapter.

(4) The reports of the sampling and testing are accurate and comprehensive.

## SECTION C. Site Level Requirements

### III. MONITORING REQUIREMENTS.

**# 014 [25 Pa. Code §123.43]**

**Measuring techniques**

Visible emissions may be measured using either of the following:

(1) A device approved by the Department and maintained to provide accurate opacity measurements.

(2) Observers, trained and qualified to measure plume opacity with the naked eye or with the aid of any devices approved by the Department.

**# 015 [25 Pa. Code §127.511]**

**Monitoring and related recordkeeping and reporting requirements.**

The permittee shall conduct weekly inspections of the facility, during daylight hours when the plant is in operation, to detect visible and fugitive emissions as follows:

(a) Visible emissions in excess of the limits stated in this permit. Visible emissions may be measured according to the methods specified in Site Level Condition #014, or alternatively, plant personnel who observe any visible emissions as stated in Site Level Condition #006 will report the incident internally to P&G so that a Method 9 evaluation can be conducted winthin one (1) hour of observation, to determine compliance with the opacity limitations. If visible emissions are observed by a Method 9 reader that exceeds the limitations stated in Site Level Condition #006, then the Department must be notified within four (4) hours of each incident.

(b) The presence of fugitive emissions visible beyond the boundaries of the facility, as stated in Site Level Condition #004.

**# 016 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

(1) Fugitive HAP emissions from the use of inks, additives, adhesives, etc. shall be calculated using HAP content information provided by the supplier of the HAP containing material, and an assuming 100% fugitive volatile HAP loss during production (i.e. mass balance). The permittee may use supplier information or test data to determine emissions (if any) from non-volatile HAPs.

(2) Total PTE HAP emissions from all combustion sources are 13.21 tpy.

Individual PTE HAP emissions for all combustion sources are:

1,3 Butadiene = 2.49*e^-3 tpy
1,1,2,2-Tetrachloroethane = 3.38*e^-6 tpy
1,1,2-Trichloroethane = 2.04*e^-6 tpy
1,3-Dichloropropene = 1.70*e^-6 tpy
Acetaldehyde = 0.49 tpy
Acetophenone = 1.03*e^-6 tpy
Acrolein = 1.31 tpy
Anthracene = 9.63*e^-4 tpy
Benzene = 0.08 tpy
Benzo(j,k)fluoranthene = 5.14*e^-5 tpy
Bis(2-ethylhexyl)phthalate = 1.51*e^-5 tpy
Bromomethane = 9.20*e^-5 tpy
Carbon Tetrachloride = 9.44*e^-5 tpy
Chlorine = 0.25 tpy
Chlorobenzene = 9.38*e^-5 tpy
Chloroform = 3.88*e^-4 tpy
Chloromethane = 7.39*e-3 tpy
Decachlorobiphenyl = 8.67*e^-8 tpy
Dichlorobiphenyl = 2.38*e^-7 tpy
1,2-Dichloroethane = 9.20*e-5 tpy
Dichloromethane = 4.6*e^-4 tpy
1,2-Dichloroproane = 0.01 tpy

## SECTION C. Site Level Requirements

2,4-Dinitrophenol = 5.78*e^-5 tpy
Ethyl Benzene = 0.17 tpy
Ethylene Dibromide = 2.85*e^-6 tpy
Formaldehyde = 5.67 tpy
Heptachlorobiphenyl = 2.12*e^-8 tpy
Hexachlorobiphenyl = 1.77*e^-7 tpy
Heptachlorodibenzo-p-furans = 7.71*e^-8 tpy
Hexachlorodibenzo-p-furans = 8.99*e^-8 tpy
Hydrochloric acid = 0.81 tpy
Hydrofluoric acid = 0.03 tpy
Methanol = 4.09*e^-4 tpy
Methylene Chloride = 4.66*e^-4 tpy
N-Hexane = 3.09 tpy
Napthalene = 0.01 tpy
4-Nitrophenol = 3.53*e^-5 tpy
Octachlorodibenzo-p-furans = 2.83*e^-8 tpy
PAH = 0.01 tpy
Pentachlorodibenzo-p-furans = 1.35*e^-7 tpy
Pentachlorobiphenyl = 3.85*e^-7 tpy
Pentachlorophenol = 1.64*e^-5 tpy
Perylene = 1.67*e^-7 tpy
Phenol = 0.02 tpy
Propionaldehyde = 0.02 tpy
Propylene Oxide = 0.16 tpy
Styrene = 9.36*e^-5 tpy
2,3,7,8-Tetrachlorodibenzo-p-dioxins = 2.76*e^-9 tpy
2,3,7,8-Tetrachlorodibenzo-p-furans = 2.89*e^-8 tpy
Tetrachlorobiphenyl = 8.03*e^-7 tpy
Tetrachloroethane = 9.20*e^-5 tpy
Tetrachlorodibenzo-p-furans = 2.41*e^-7 tpy
Toluene = 0.72 tpy
Trichlorobiphenyl = 8.35*e^-7 tpy
1,1,1-Trichloroethane = 9.96*e^-3 tpy
Trichloroethene = 9.20*e^-5 tpy
2,4,6-Trichlorophenol = 7.07*e^-6 tpy
Vinyl Chloride = 9.30*e^-5 tpy
Xylenes = 0.35 tpy
Lead = 5.45*e^-3 tpy
Arsenic = 1.34*e^-3 tpy
Beryllium = 9.21*e^-5 tpy
Cadmium = 6.50*e^-3 tpy
Chromium = 0.04 tpy
Cobalt = 6.92*e^-4 tpy
Manganese = 0.05 tpy
Mercury = 1.52*e^-3 tpy
Nickel = 0.03 tpy
Phosphorus = 8.67*e^-3 tpy
POM = 1.96*e^-3 tpy
Selenium = 3.36*e^-3 tpy

Combustion sources included in the potential to emit of this condition are: 031,032A, 033A, 034A, 035, 038, 101, 102, 103, 104, 105, 106, 108, 109, 110, 501, 502, 503, 504, 505, 506, 507, and 508.

## SECTION C. Site Level Requirements

**# 017 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

The company shall maintain records of all materials used in the manufacturing process (inks, solvents, cleaning solutions, additives, etc.) applied or used in the facility. These records shall accurately identify the materials (inks, solvents,cleaning solvents, additives, etc.) and the amounts of each material used on a monthly basis and shall also include comprehensive compositional data for each material, which accurately identifies and quantifies the hazardous air pollutant content of the respective materials.

### IV. RECORDKEEPING REQUIREMENTS.

**# 018 [25 Pa. Code §127.511]**

**Monitoring and related recordkeeping and reporting requirements.**

(a) The permittee shall maintain a record of the monitoring conducted to determine the presence of fugitive and visible emissions.

(b) This recordkeeping shall contain a listing or notation of any and all sources of fugitive emissions, contrary to Conditions of this section, and visible emissions, the cause of the fugitive or visible emissions; duration of the emission; and the corrective action taken to abate the deviation and prevent future occurrences.

**# 019 [25 Pa. Code §127.511]**

**Monitoring and related recordkeeping and reporting requirements.**

The permittee shall maintain a VOC emission tracking system to document compliance with the facility emissions as specified in this permit. The system keeps on hand chemical composition data for all of the VOC containing chemicals used in each process, and shall record on a monthly basis the amount VOC containing chemicals usage for each process. These records shall be kept on hand for aperiod of no less than five (5) years and be made available to the Department upon request.

**# 020 [25 Pa. Code §127.511]**

**Monitoring and related recordkeeping and reporting requirements.**

The permittee shall keep up-to-date records of Certified Product Data Sheets (CPDSs), Safety Data Sheets (SDSs), testing data, or other supplier information that identify the volatile organic compound (VOC) content and hazardous air pollutant (HAP) content of each VOC and/or HAP containing material used in the manufacturing operations at the facility.

**# 021 [25 Pa. Code §127.511]**

**Monitoring and related recordkeeping and reporting requirements.**

(a) The permittee shall keep records of the supporting calculations on a monthly basis for HAPs emissions from all sources at the facility to verify compliance with the emission limitations of tons in any 12 consecutive month period.

(b) These records shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

**# 022 [25 Pa. Code §129.63a]**

**Control of VOC emissions from industrial cleaning solvents.**

(h) Recordkeeping and reporting requirements. The owner or operator of a cleaning unit operation subject to this section shall comply with all of the following applicable recordkeeping and reporting requirements:

(1) - (3) Not applicable

(4) The owner or operator of a facility claiming exemption under subsection (c)(3) shall maintain monthly records of the industrial cleaning solvents used or applied at the subject cleaning unit operations sufficient to demonstrate that the total combined actual VOC emissions from all subject cleaning unit operations at the facility are less than 2.7 tons (2,455 kilograms) per 12-month rolling period, before consideration of controls.

(5) Records shall be maintained onsite for 2 years, unless a longer period is required under Chapter 127 (relating to construction, modification, reactivation and operation of sources) or a plan approval, operating permit, consent decree or order issued by the Department.

(6) Records shall be submitted to the Department in an acceptable format upon receipt of a written request from the

## SECTION C. Site Level Requirements

Department.

**# 023 [25 Pa. Code §135.5]**

**Recordkeeping**

Source owners or operators shall maintain and make available upon request by the Department records including computerized records that may be necessary to comply with 25 Pa. Code Sections 135.3 and 135.21 (relating to reporting; and emission statements). These may include records of production, fuel usage, maintenance of production or pollution control equipment or other information determined by the Department to be necessary for identification and quantification of potential and actual air contaminant emissions. If direct recordkeeping is not possible or practical, sufficient records shall be kept to provide the needed information by indirect means.

### V. REPORTING REQUIREMENTS.

**# 024 [25 Pa. Code §127.442]**

**Reporting requirements.**

Malfunctions, Emergencies or Incidents of Excess Emissions

(a) The permittee shall report malfunctions, emergencies or incidents of excess emissions to the Department. A malfunction is any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. An emergency is any situation arising from sudden and reasonably unforeseeable events beyond the control of the owner or operator of a facility which requires immediate corrective action to restore normal operation and which causes the emission source to exceed emissions, due to unavoidable increases in emissions attributable to the situation. An emergency shall not include situations caused by improperly designed equipment, lack of preventive maintenance, careless or improper operation, or operator error.

(b) When the malfunction, emergency or incident of excess emissions poses an imminent danger to the public health, safety, welfare, or environment, it shall be reported to the Department and the County Emergency Management Agency by telephone within one (1) hour after the discovery of the malfunction, emergency or incident of excess emissions. The owner or operator shall submit a written or emailed report of instances of such malfunctions, emergencies or incidents of excess emissions to the Department within three (3) business days of the telephone report.

(c) The report shall describe the following:

(1) name, permit or authorization number, and location of the facility,

(2) nature and cause of the malfunction, emergency or incident,

(3) date and time when the malfunction, emergency or incident was first observed,

(4) expected duration of excess emissions,

(5) estimated rate of emissions,

(6) corrective actions or preventative measures taken.

(d) Any malfunction, emergency or incident of excess emissions that is not subject to the notice requirements of paragraph (b) of this condition shall be reported to the Department by telephone within 24 hours (or by 4:00 PM of the next business day, whichever is later) of discovery and in writing or by e-mail within five (5) business days of discovery. The report shall contain the same information required by paragraph (c), and any permit specific malfunction reporting requirements.

(e) During an emergency an owner or operator may continue to operate the source at their discretion provided they submit justification for continued operation of a source during the emergency and follow all the notification and reporting requirements in accordance with paragraphs (b)-(d), as applicable, including any permit specific malfunction reporting requirements.

## SECTION C. Site Level Requirements

(f) Reports regarding malfunctions, emergencies or incidents of excess emissions shall be submitted to the appropriate DEP Regional Office Air Program Manager.

(g) Any emissions resulted from malfunction or emergency are to be reported in the annual emissions inventory report, if the annual emissions inventory report is required by permit or authorization.

**# 025 [25 Pa. Code §127.511]**

**Monitoring and related recordkeeping and reporting requirements.**

The required data reports relating to continuous emission monitoring systems shall be submitted to the Department's Central Office, in electronic copy and computer-readable-media formats as specified by the Department, within 30 days following the close of each calendar quarter.

**# 026 [25 Pa. Code §127.511]**

**Monitoring and related recordkeeping and reporting requirements.**

The permittee shall report malfunctions to the Department. As defined in 40 CFR Section 60.2 and incorporated by reference in 25 Pa. Code Chapter 122, a malfunction is any sudden, infrequent and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner that may result in an increase in air emissions. Failures that are caused in part by poor maintenance or careless operation are not malfunctions. Malfunctions shall be reported as follows:

(a) Any malfunction which poses an imminent danger to the public health, safety, welfare, and environment, shall beimmediately reported to the Department by telephone. The telephone report of such malfunctions shall occur no later than
two (2) hours after the incident. The permittee shall submit a written report of instances of such malfunctions to the Department within three (3) days of the telephone report.

(b) Unless otherwise required by this permit, any other malfunction that is not subject to the reporting requirements of part (a), above, shall be reported to the Department, in writing, within five (5) days of malfunction discovery. Notification of excess emissions for the air contaminants measured by a certified continuous monitor are reported in conformance with 40 CFR 60.7(c) and therefore are not reported under this requirement.

(c) Excursions of ammonia slip shall be reported via the semiannual compliance certifications.

**# 027 [25 Pa. Code §127.511]**

**Monitoring and related recordkeeping and reporting requirements.**

(a) The permittee shall submit reports to the Department on a semi-annual basis that include the supporting calculations to verify compliance with the HAPs emissions limitation for all sources at the facility in any 12 consecutive month period. HAP emissions from trivial activities such as office equipment, consumer use of janitorial supplies, etc., as listed in PADEP Document 275-2101-003, are not required to be included. Excursions of ammonia slip shall be reported via semi-annual compliance report.

(b) The semi-annual reports shall be submitted to the Department no later than March 1 (for January 1 through December 31 of the previous year) and September 1 (for July 1 of the previous year through June 30 of the current year).

**# 028 [25 Pa. Code §127.511]**

**Monitoring and related recordkeeping and reporting requirements.**

(a) The permittee shall observe the following requirements to determine the facility-wide HAP emissions:

(1) Semi-annually, the permittee shall, using the HAP content data for the volatile organic liquids stored and distributed at the facility, the daily throughput records (calculated over a monthly period) from the previous six (6) months, and all other applicable data, create a semi-annual summation report of the emissions of Hazardous Air Pollutants (HAP's) from the facility. The report shall specify the emissions (in units of tons) for each of the two (2) previous 6-month periods (12-consecutive months). The permittee shall update the report semi annually to create a 12 month rolling sum. The permittee shall submit each 12 month emissions report to the Department within thirty (30) days of the close of each six month period.

(b) For each semi-annual Emissions Report, the permittee shall determine fugitive losses of HAP's using the following

## SECTION C. Site Level Requirements

methods:

(1) HAP emissions will be determined in accordance with the procedures specified in Site Level Condition #015.

(2) If more accurate emission factors for the sources at the facility, the permittee may, upon approval of the Department, substitute such emission factors in the calculation of HAPs emissions from the facility.

**# 029 [25 Pa. Code §127.511]**

**Monitoring and related recordkeeping and reporting requirements.**

The permittee shall submit the following reports:

(a) An annual certification of compliance, due by March 1st of each year, for the period covering January 1 through December 31 of the previous year. This certificate of compliance shall document compliance with all permit terms and conditions set forth in this Title V permit as required under condition #24 of section B of this operating permit.The annual certification of compliance shall be submitted to the Department in paper form and to the EPA Region III in electronic form at the following email address below. Any required semi-annual reports can also be sent to this email address:

R3_APD_Permits@epa.gov

(b) A semi annual deviation report, due by September 1, of each year, for the period covering January 1 through June 30 of the same year. (Note: The annual certification of compliance fulfills the second deviation reporting period (July 1 through December 31).

(c) Notifications to EPA, pursuant to 25 PA Code §127.462(c), copies of requests for administrative permit amendments to EPA, pursuant to 25 PA Code §127.450(c)(1), and copies of title V permit applications to EPA, pursuant to 25 PA Code §127.522(a), if required, may be submitted to the following EPA e-mail box:

R3_Air_ Apps_&_Notices@epa.gov

in lieu of the mailing address listed in Condition #022(b), of Section B, of this permit. For any electronic submission, please place the following in the subject line: TV 66-00001, Procter & Gamble Paper Products Co.

**# 030 [25 Pa. Code §135.3]**

**Reporting**

(a) The permittee shall submit by March 1 of each year a source report for the preceding calendar year. The report shall include information for all previously reported sources, new sources which were first operated during the preceding calendar year and sources modified during the same period which were not previously reported.

(b) A source owner or operator may request an extension of time from the Department for the filing of a source report, and the Department may grant the extension for reasonable cause.

**# 031 [25 Pa. Code §135.4]**

**Report format**

Source reports shall contain sufficient information to enable the Department to complete its emission inventory. Source reports shall be made by the source owner or operator in a format specified by the Department.

### VI. WORK PRACTICE REQUIREMENTS.

**# 032 [25 Pa. Code §123.1]**

**Prohibition of certain fugitive emissions**

The permittee shall take all reasonable actions to prevent particulate matter from becoming airborne. These actions shall include, but not be limited to, the following:

(a) Use, where possible, of water or chemicals for control of dust in the demolition of buildings or structures, construction operations, the grading of roads, or the clearing of land.

(b) Application of asphalt, oil, water or suitable chemicals on dirt roads, material stockpiles and other surfaces which may

## SECTION C. Site Level Requirements

give rise to airborne dusts.

(c) Paving and maintenance of roadways.

(d) Prompt removal of earth or other material from paved streets onto which earth or other material has been transported by trucking or earth moving equipment, erosion by water, or other means.

**# 033 [25 Pa. Code §127.511]**

**Monitoring and related recordkeeping and reporting requirements.**

The permittee shall not operate any sources which are equipped with a control device unless the control device is operational. All control devices shall be maintained and operated in accordance with good air pollution practices.

**# 034 [25 Pa. Code §127.511]**

**Monitoring and related recordkeeping and reporting requirements.**

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 Departments Rules and Regulations and Continuous Source Monitoring Manual.

**# 035 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

(1) The source(s) may only be operated as long as the associated air pollution control devices are operated and maintained
in accordance with the specifications set forth in this operating permit, and the application(s) submitted for said operating permit (as approved by the Department), and in accordance with any conditions set forth herein.

(2) The company shall perform an annual adjustment and/or tune-up on all combustion sources as per good engineering practices. All sources and air pollution control equipment shall be operated and maintained in accordance with good engineering practices.

[Note: This condition assures compliance with the biennial tune-up requirement of 40 CFR Part 63 Subpart JJJJJJ for Source ID 033A]

(3) The company shall maintain and operate the sources and associated air cleaning devices in accordance with good operating practices.

**# 036 [25 Pa. Code §129.14]**

**Open burning operations**

(a) Air basins. No person may permit the open burning of material in an air basin.

(b) Exceptions: The requirements of subsection (a) do not apply where the open burning operations result from:

(1) A fire set to prevent or abate a fire hazard, when approved by the Department and set by or under the supervision of a public officer.

(2) A fire set for the purpose of instructing personnel in fire fighting, when approved by the Department.

(3) A fire set for the prevention and control of disease or pests, when approved by the Department.

(4) A fire set in conjunction with the production of agricultural commodities in their manufactured state on the premises of the farm operation.

(5) A fire set for the purpose of burning domestic refuse, when the fire is on the premises of a structure occupied solely as a dwelling by two families or less and when the refuse results from the normal occupancy of such structure.

(6) A fire set solely for recreational or ceremonial purposes.

(7) A fire set solely for cooking food.

## SECTION C. Site Level Requirements

(c) Clearing and grubbing wastes. The following is applicable to clearing and grubbing wastes:

(1) As used in this subsection the following terms shall have the following meanings:

Air curtain destructor -- A mechanical device which forcefully projects a curtain of air across a pit in which open burning is being conducted so that combustion efficiency is increased and smoke and other particulate matter are contained.

Clearing and grubbing wastes -- Trees, shrubs, and other native vegetation which are cleared from land during or prior to the process of construction. The term does not include demolition wastes and dirt laden roots.

(2) Subsection (a) notwithstanding, clearing and grubbing wastes may be burned in a basin subject to the following requirements:

(i) Air curtain destructors shall be used when burning clearing and grubbing wastes.
(ii) Each proposed use of air curtain destructors shall be reviewed and approved by the Department in writing with respect to equipment arrangement, design and existing environmental conditions prior to commencement of burning. Proposals approved under this subparagraph need not obtain plan approval or operating permits under 25 Pa. Code, Chapter 127 (relating to construction modification, reactivation and operation of sources).
(iii) Approval for use of an air curtain destructor at one site may be granted for a specified period not to exceed 3 months, but may be extended for additional limited periods upon further approval by the Department.
(iv) The Department reserves the right to rescind approval granted if a determination by the Department indicates that an air pollution problem exists.

(3) During an air pollution episode, open burning is limited by 25 Pa. Code, Chapter 137 (relating to air pollution episodes) and shall cease as specified in such chapter.

### VII. ADDITIONAL REQUIREMENTS.

**# 037 [25 Pa. Code §127.512]**
**Operating permit terms and conditions.**

The issuance of this permit does not prevent the future adoption by the Department of any rules, standards, or orders necessary to comply with the requirements of the State Air Pollution Control Act or the Federal Clean Air Act, or to achieve or maintain ambient air quality standards; and does not prevent the enforcement of these rules, standards, or others against the facility.

**# 038 [25 Pa. Code §127.512]**
**Operating permit terms and conditions.**

In the event of an inconsistency or any conflicting requirements, the permittee shall comply with the most stringent provision, term, condition, method or rule.

**# 039 [25 Pa. Code §127.512]**
**Operating permit terms and conditions.**

The permittee shall comply will all applicable greenhouse gas reporting requirements of 40 CFR Part 98 Subchapters C, AA, and II.

**# 040 [25 Pa. Code §127.512]**
**Operating permit terms and conditions.**

Prohibition of air pollution:

No person may permit air pollution as that term is defined in the Air Pollution Control Act (35 P.S. Section 4003).

### VIII. COMPLIANCE CERTIFICATION.

No additional compliance certifications exist except as provided in other sections of this permit including Section B (relating to Title V General Requirements).

### IX. COMPLIANCE SCHEDULE.

No compliance milestones exist.

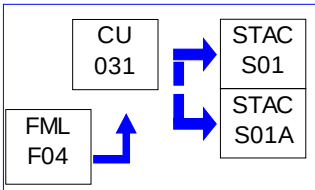
***** Permit Shield In Effect *****

## SECTION D. Source Level Requirements

Source ID: 031 Source Name: NO. 1 GAS BOILER

Source Capacity/Throughput: 233.000 MMBTU/HR

Conditions for this source occur in the following groups: 01
02
14




### I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

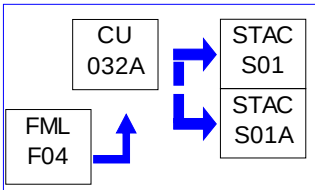
***** Permit Shield in Effect. *****

## SECTION D. Source Level Requirements

Source ID: 032A Source Name: NO. 2 GAS BOILER

Source Capacity/Throughput: 233.000 MMBTU/HR

Conditions for this source occur in the following groups: 01
02
14




### I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

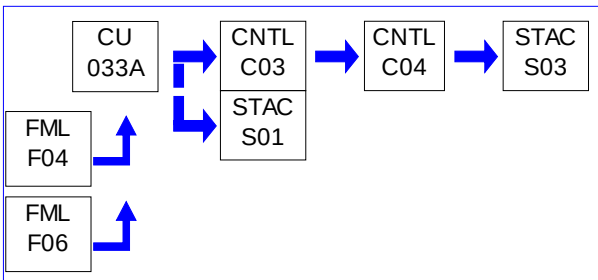
***** Permit Shield in Effect. *****

## SECTION D. Source Level Requirements

Source ID: 033A Source Name: NO. 3 BOILER (PAPER FINES)

Source Capacity/Throughput: 156.000 MMBTU/HR

Conditions for this source occur in the following groups: 01
02
14




### I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### IV. RECORDKEEPING REQUIREMENTS.

**# 001 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11225]**

**SUBPART JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources**

**What are my notification, reporting, and recordkeeping requirements?**

(a) - (b) Referenced in Source Condition #002.

(c) You must maintain the records specified in paragraphs (c)(1) through (7) of this section.

(1) As required in §63.10(b)(2)(xiv), you must keep a copy of each notification and report that you submitted to comply with this subpart and all documentation supporting any Initial Notification or Notification of Compliance Status that you submitted.

(2) You must keep records to document conformance with the work practices, emission reduction measures, and management practices required by §63.11214 and §63.11223 as specified in paragraphs (c)(2)(i) through (vi) of this section.

(i) Records must identify each boiler, the date of tune-up, the procedures followed for tune-up, and the manufacturer's specifications to which the boiler was tuned.
(ii) Not applicable.
(iii) For each boiler required to conduct an energy assessment, you must keep a copy of the energy assessment report.
(iv) – (vi) Not applicable.

## SECTION D. Source Level Requirements

(3) Not applicable.

(4) Records of the occurrence and duration of each malfunction of the boiler, or of the associated air pollution control and monitoring equipment.

(5) Records of actions taken during periods of malfunction to minimize emissions in accordance with the general duty to minimize emissions in §63.11205(a), including corrective actions to restore the malfunctioning boiler, air pollution control, or monitoring equipment to its normal or usual manner of operation.

(6) - (7) Not applicable.

(d) Your records must be in a form suitable and readily available for expeditious review. You must keep each record for 5 years following the date of each recorded action. You must keep each record on-site or be accessible from a central location by computer or other means that instantly provide access at the site for at least 2 years after the date of each recorded action. You may keep the records off site for the remaining 3 years.

(e) Not applicable.

(f) If you intend to commence or recommence combustion of solid waste, you must provide 30 days prior notice of the date upon which you will commence or recommence combustion of solid waste. The notification must identify:

(1) The name of the owner or operator of the affected source, the location of the source, the boiler(s) that will commence burning solid waste, and the date of the notice.

(2) The currently applicable subcategory under this subpart.

(3) The date on which you became subject to the currently applicable emission limits.

(4) The date upon which you will commence combusting solid waste.

### V. REPORTING REQUIREMENTS.

**# 002 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11225]**

**SUBPART JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources**

**What are my notification, reporting, and recordkeeping requirements?**

(a) You must submit the notifications specified in paragraphs (a)(1) through (5) of this section to the administrator.

(1) You must submit all of the notifications in §§63.7(b); 63.8(e) and (f); and 63.9(b) through (e), (g), and (h) that apply to you by the dates specified in those sections except as specified in paragraphs (a)(2) and (4) of this section.

(b) You must prepare, by March 1 of each year, and submit to the delegated authority upon request, an annual compliance certification report for the previous calendar year containing the information specified in paragraphs (b)(1) through (4) of this section. You must submit the report by March 15 if you had any instance described by paragraph (b)(3) of this section.For boilers that are subject only to a requirement to conduct a biennial or 5-year tune-up according to §63.11223(a) and not subject to emission limits or operating limits, you may prepare only a biennial or 5-year compliance report as specified in paragraphs (b)(1) and (2) of this section.

(1) Company name and address.

(2) Statement by a responsible official, with the official's name, title, phone number, email address, and signature, certifying the truth, accuracy and completeness of the notification and a statement of whether the source has complied with all the relevant standards and other requirements of this subpart. Your notification must include the following certification(s) of compliance, as applicable, and signed by a responsible official:

(i) “This facility complies with the requirements in §63.11223 to conduct a biennial or 5-year tune-up, as applicable, of

## SECTION D. Source Level Requirements

each boiler."
(ii) For units that do not qualify for a statutory exemption as provided in section 129(g)(1) of the Clean Air Act: "No secondary materials that are solid waste were combusted in any affected unit."
(iii) Not applicable.

(3) If the source experiences any deviations from the applicable requirements during the reporting period, include a description of deviations, the time periods during which the deviations occurred, and the corrective actions taken.

(4) Not applicable.

(c) - (f) Referenced in Source Condition #001.

(g) If you have switched fuels or made a physical change to the boiler and the fuel switch or change resulted in the applicability of a different subcategory within subpart JJJJJJ, in the boiler becoming subject to subpart JJJJJJ, or in the boiler switching out of subpart JJJJJJ due to a change to 100 percent natural gas, or you have taken a permit limit that resulted in you being subject to subpart JJJJJJ, you must provide notice of the date upon which you switched fuels, made the physical change, or took a permit limit within 30 days of the change. The notification must identify:

(1) The name of the owner or operator of the affected source, the location of the source, the boiler(s) that have switched fuels, were physically changed, or took a permit limit, and the date of the notice.

(2) The date upon which the fuel switch, physical change, or permit limit occurred.

### VI. WORK PRACTICE REQUIREMENTS.

**# 003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11201]**

**SUBPART JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources**

**What standards must I meet?**

(a) Not applicable.

(b) You must comply with each work practice standard, emission reduction measure, and management practice specified in Table 2 to this subpart that applies to your boiler. An energy assessment completed on or after January 1, 2008 that meets or is amended to meet the energy assessment requirements in Table 2 to this subpart satisfies the energy assessment requirement. A facility that operates under an energy management program established through energy management systems compatible with ISO 50001, that includes the affected units, also satisfies the energy assessment requirement.

Table 2 to Subpart JJJJJJ of Part 63—Work Practice Standards, Emission Reduction Measures, and Management Practices
As stated in §63.11201, you must comply with the following applicable work practice standards, emission reduction measures, and management practices:
6. Existing biomass-fired boilers that do not meet the definition of seasonal boiler or limited-use boiler, or use an oxygen trim system that maintains an optimum air-to-fuel ratio: Conduct an initial tune-up as specified in §63.11214, and conduct a tune-up of the boiler biennially as specified in §63.11223.
16. Existing coal-fired, biomass-fired, or oil-fired boilers (units with heat input capacity of 10 MMBtu/hr and greater), not including limited-use boilers: Must have a one-time energy assessment performed by a qualified energy assessor. An energy assessment completed on or after January 1, 2008, that meets or is amended to meet the energy assessment requirements in this table satisfies the energy assessment requirement. Energy assessor approval and qualification requirements are waived in instances where past or amended energy assessments are used to meet the energy assessment requirements. A facility that operates under an energy management program compatible with ISO 50001 that includes the affected units also satisfies the energy assessment requirement. The energy assessment must include the following with extent of the evaluation for items (1) to (4) appropriate for the on-site technical hours listed in §63.11237:
(1) A visual inspection of the boiler system,
(2) An evaluation of operating characteristics of the affected boiler systems, specifications of energy use systems, operating and maintenance procedures, and unusual operating constraints,
(3) An inventory of major energy use systems consuming energy from affected boiler(s) and which are under control of the

## SECTION D. Source Level Requirements

boiler owner or operator,
(4) A review of available architectural and engineering plans, facility operation and maintenance procedures and logs, and fuel usage,
(5) A list of major energy conservation measures that are within the facility's control,
(6) A list of the energy savings potential of the energy conservation measures identified, and
(7) A comprehensive report detailing the ways to improve efficiency, the cost of specific improvements, benefits, and the time frame for recouping those investments.

(c) - (d) Not applicable.

**# 004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11223]**

**SUBPART JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources**

**How do I demonstrate continuous compliance with the work practice and management practice standards?**

(a) For affected sources subject to the work practice standard or the management practices of a tune-up, you must conduct a performance tune-up according to paragraph (b) of this section and keep records as required in §63.11225(c) to demonstrate continuous compliance. You must conduct the tune-up while burning the type of fuel (or fuels in the case of boilers that routinely burn two types of fuels at the same time) that provided the majority of the heat input to the boiler over the 12 months prior to the tune-up.

(b) Except as specified in paragraphs (c) through (f) of this section, you must conduct a tune-up of the boiler biennially to demonstrate continuous compliance as specified in paragraphs (b)(1) through (7) of this section. Each biennial tune-up must be conducted no more than 25 months after the previous tune-up. For a new or reconstructed boiler, the first biennial tune-up must be no later than 25 months after the initial startup of the new or reconstructed boiler.

(1) As applicable, inspect the burner, and clean or replace any components of the burner as necessary (you may delay the burner inspection until the next scheduled unit shutdown, not to exceed 36 months from the previous inspection). Units that produce electricity for sale may delay the burner inspection until the first outage, not to exceed 36 months from the previous inspection.

(2) Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available.

(3) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly (you may delay the inspection until the next scheduled unit shutdown, not to exceed 36 months from the previous inspection). Units that produce electricity for sale may delay the inspection until the first outage, not to exceed 36 months from the previous inspection.

(4) Optimize total emissions of CO. This optimization should be consistent with the manufacturer's specifications, if available, and with any nitrogen oxide requirement to which the unit is subject.

(5) Measure the concentrations in the effluent stream of CO in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable CO analyzer.

(6) Maintain on-site and submit, if requested by the Administrator, a report containing the information in paragraphs (b)(6)(i) through (iii) of this section.

(i) The concentrations of CO in the effluent stream in parts per million, by volume, and oxygen in volume percent, measured at high fire or typical operating load, before and after the tune-up of the boiler.
(ii) A description of any corrective actions taken as a part of the tune-up of the boiler.
(iii) The type and amount of fuel used over the 12 months prior to the tune-up of the boiler, but only if the unit was physically and legally capable of using more than one type of fuel during that period. Units sharing a fuel meter may estimate the fuel use by each unit.

(7) If the unit is not operating on the required date for a tune-up, the tune-up must be conducted within 30 days of startup.

## SECTION D. Source Level Requirements

(c) - (g) Not applicable.

### VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

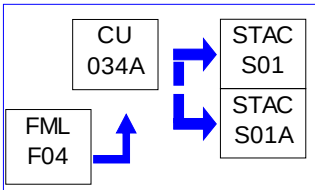
***** Permit Shield in Effect. *****

## SECTION D. Source Level Requirements

Source ID: 034A Source Name: NO. 4 GAS BOILER

Source Capacity/Throughput: 172.000 MMBTU/HR

Conditions for this source occur in the following groups: 01
02
14




### I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

## SECTION D. Source Level Requirements

Source ID: 035 Source Name: WESTINGHOUSE 251B12

Source Capacity/Throughput: 644.000 MMBTU/HR

Conditions for this source occur in the following groups: 04


### I. RESTRICTIONS.

### Emission Restriction(s).

**# 001 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

Nitrogen oxide (NOx) and volatile organic compound (VOC) emissions and carbon monoxide (CO) from the turbine, shall not exceed the following:

NOx - 48 ppm** 30 day rolling average

VOC - 13.14 tons/yr

CO - 10.0 lb/hr 30 day rolling average

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

**# 002 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.333]**

**Subpart GG - Standards of Performance for Stationary Gas Turbines**

**Standard for sulfur dioxide.**

On and after the date on which the performance test required to be conducted by §60.8 is completed, every owner or operator subject to the provision of this subpart shall comply with one or the other of the following conditions:

(a) No owner or operator subject to the provisions of this subpart shall cause to be discharged into the atmosphere from any stationary gas turbine any gases which contain sulfur dioxide in excess of 0.015 percent by volume at 15 percent oxygen and on a dry basis.

(b) No owner or operator subject to the provisions of this subpart shall burn in any stationary gas turbine any fuel which contains total sulfur in excess of 0.8 percent by weight (8000 ppmw).

## SECTION D. Source Level Requirements

### II. TESTING REQUIREMENTS.

**# 003 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

The permittee shall perform stack testing, in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection, to verify compliance with CO and VOC emission limits specified in Condition #001 once every five years.

The permittee shall use emission factors from the most recent stack test and fuel usage to calculate emissions on a monthly basis.

### III. MONITORING REQUIREMENTS.

**# 004 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

NOx emissions from the turbine shall be monitored and recorded continuously to monitor compliance with the NOx emission limits specified in Condition #001.

**# 005 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.334]**

**Subpart GG - Standards of Performance for Stationary Gas Turbines**

**Monitoring of operations.**

(a) – (g) Not applicable.

(h) The owner or operator of any stationary gas turbine subject to the provisions of this subpart:

(1) – (2) Not applicable.

(3) Notwithstanding the provisions of paragraph (h)(1) of this section, the owner or operator may elect not to monitor the total sulfur content of the gaseous fuel combusted in the turbine, if the gaseous fuel is demonstrated to meet the definition of natural gas in §60.331(u), regardless of whether an existing custom schedule approved by the administrator for subpart GG requires such monitoring. The owner or operator shall use one of the following sources of information to make the required demonstration:

(i) The gas quality characteristics in a current, valid purchase contract, tariff sheet or transportation contract for the gaseous fuel, specifying that the maximum total sulfur content of the fuel is 20.0 grains/100 scf or less; or

(ii) Representative fuel sampling data which show that the sulfur content of the gaseous fuel does not exceed 20 grains/100 scf. At a minimum, the amount of fuel sampling data specified in section 2.3.1.4 or 2.3.2.4 of appendix D to part 75 of this chapter is required.

(4) Not applicable.

(i) Not applicable.

(j) For each affected unit that elects to continuously monitor parameters or emissions, or to periodically determine the fuel sulfur content or fuel nitrogen content under this subpart, the owner or operator shall submit reports of excess emissions and monitor downtime, in accordance with §60.7(c). Excess emissions shall be reported for all periods of unit operation, including startup, shutdown and malfunction. For the purpose of reports required under §60.7(c), periods of excess emissions and monitor downtime that shall be reported are defined as follows:

(1) Not applicable.

(2) Sulfur dioxide. If the owner or operator is required to monitor the sulfur content of the fuel under paragraph (h) of this section:

(i) For samples of gaseous fuel and for oil samples obtained using daily sampling, flow proportional sampling, or sampling from the unit's storage tank, an excess emission occurs each unit operating hour included in the period beginning on the date and hour of any sample for which the sulfur content of the fuel being fired in the gas turbine exceeds 0.8 weight percent and ending on the date and hour that a subsequent sample is taken that demonstrates compliance with the sulfur

## SECTION D. Source Level Requirements

limit.
(ii) Not applicable.
(iii) A period of monitor downtime begins when a required sample is not taken by its due date. A period of monitor downtime also begins on the date and hour of a required sample, if invalid results are obtained. The period of monitor downtime shall include only unit operating hours, and ends on the date and hour of the next valid sample.

(3) - (4) Not applicable.

(5) All reports required under §60.7(c) shall be postmarked by the 30th day following the end of each 6-month period.

### IV. RECORDKEEPING REQUIREMENTS.

**# 006 [25 Pa. Code §127.512]**
**Operating permit terms and conditions.**

In accordance with The Departments Continuous Source Monitoring Manual, records shall be maintained on site for five years and NOx parameters shall be recorded in ppm (@ 15% O2), 30 day rolling average.

### V. REPORTING REQUIREMENTS.

**# 007 [25 Pa. Code §127.512]**
**Operating permit terms and conditions.**

In accordance with The Department's Continuous Source Monitoring Manual, CEM reports shall be reported quarterly, specifically 30 days after the close of each quarter.

### VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

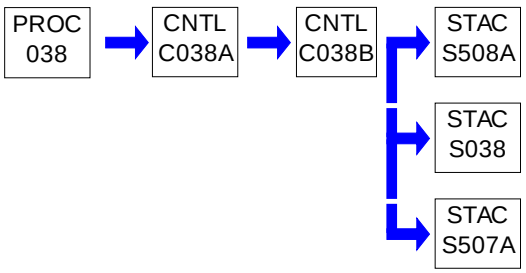
***** Permit Shield in Effect. *****

## SECTION D. Source Level Requirements

Source ID: 038 Source Name: COMBINED HEAT AND POWER TURBINE WITH HRSG

Source Capacity/Throughput: 584.000 MMBTU/HR

Conditions for this source occur in the following groups: 04
11
12
13




### I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

## SECTION D. Source Level Requirements

***** Permit Shield in Effect. *****

## SECTION D. Source Level Requirements

Source ID: 038A Source Name: FOUR (4) COOLING TOWERS

Source Capacity/Throughput:

PROC 038A → STAC Z038A

### I. RESTRICTIONS.

### Emission Restriction(s).

**# 001 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

Pursuant to the Best Available Technology provision of 25 Pa. Code §§127.12, the PM /PM10/PM2.5 emissions shall not exceed any of the following :

These cooling towers shall be operated or equipped with high efficiency drift eliminators that reduce emissions to levels equal to or less than:

(1) PM- 0.045 lb/hr/(4) towers, 0.084 tons per any period of 12 consecutive months. At no time during the first eleven (11) calendar months after the permit issuance date shall the PM emission limit be exceeded.

(2) PM10- 0.029 lb/hr/(4) towers, 0.055 tons per any period of 12 consecutive months. At no time during the first eleven (11)
calendar months after the permit issuance date shall the PM10 emission limit be exceeded.

(3) PM2.5 - 0.013 lb/hr/(4) towers, 0.025 tons per any period of 12 consecutive months. At no time during the first eleven (11)
calendar months after the permit issuance date shall the PM2.5 emission limit be exceeded.

The company shall use methods used in estimating PM, PM10 & PM2.5 emissions as described in the Request for Determination (No. 2936) application to show compliance with these limitations.

### Throughput Restriction(s).

**# 002 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

The maximum circulating water flow rate of 8,200 gallon per minute shall not exceed at any time through the four (4) cooling towers.

### II. TESTING REQUIREMENTS.

**# 003 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

From cooling towers a weekly sample shall be collected and tested to determine the TDS value in the cooling tower water; weekly samples shall be used to calculate an average monthly TDS value, which shall be used to calculate the monthly cooling tower PM emissions. Conductivity measurements may be used as a surrogate to TDS.

### III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

### IV. RECORDKEEPING REQUIREMENTS.

**# 004 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

The permittee shall keep records of the supporting calculations on a monthly basis for the PM/PM10/PM2.5 emissions to

## SECTION D. Source Level Requirements

verify compliance with the total PM/PM10/PM2.5 emissions limitations of tons per year in any 12 consecutive month period.

**# 005 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

The Permittee shall maintain records of the following information for the cooling towers:

(a) A file containing:

(i) The manufacturer's specifications or design data for the cooling tower, including water circulation rate (gallons/hour) and
design loss rate of the drift eliminators (percent), with supporting documentation.

(b) Records for the amount of water circulated in the cooling tower, gallons/month, with supporting calculations.

(i) In lieu of measured water flow for each cooling tower, the permittee can alternatively utilize hours of operation and maximum design flow for each cooling tower to estimate water circulation

(c) The following logs for the affected units:

(i) Inspection, maintenance and repair log(s).

### V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

### VI. WORK PRACTICE REQUIREMENTS.

**# 006 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

The Cooling Towers shall be properly operated and maintained according to manufacturer's specifications. Manufacturer's specification, if available, shall be kept on site and readily available to Department representatives.

### VII. ADDITIONAL REQUIREMENTS.

**# 007 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

Each cell of the cooling towers shall be equipped with a drift eliminator. The drift loss shall be limited to 0.001 percent, which shall be calculated as the weighted average of the drift losses for all cooling tower cells. Verification of drift loss shall be by manufacturer's guarantee. Manufacturer's drift loss guarantee shall be kept on site and readily available to Department representatives, upon request.

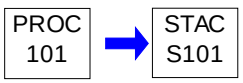
***** Permit Shield in Effect. *****

## SECTION D. Source Level Requirements

Source ID: 101 Source Name: BLDG 62 DIESEL PUMP 1

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 03
10




### I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

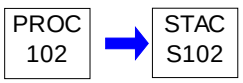
***** Permit Shield in Effect. *****

## SECTION D. Source Level Requirements

Source ID: 102 Source Name: BLDG 87 DIESEL PUMP 2

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 03
10




### I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

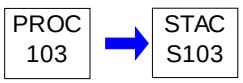
***** Permit Shield in Effect. *****

## SECTION D. Source Level Requirements

Source ID: 103 Source Name: DIESEL RIVER PUMP

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 03
09




### I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

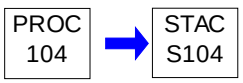
***** Permit Shield in Effect. *****

## SECTION D. Source Level Requirements

Source ID: 104 Source Name: WASTEWATER TREATMENT PUMP

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 03
09




### I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

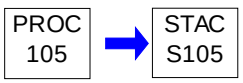
***** Permit Shield in Effect. *****

## SECTION D. Source Level Requirements

Source ID: 105 Source Name: STOCK PREP DIESEL GENERATOR

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 03
09




### I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

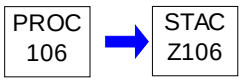
***** Permit Shield in Effect. *****

## SECTION D. Source Level Requirements

Source ID: 106 Source Name: 25 GAS SPACE HEATERS

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 03




### I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

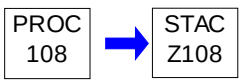
***** Permit Shield in Effect. *****

## SECTION D. Source Level Requirements

Source ID: 108 Source Name: 7M/8M BUILDING HEATERS (26 UNITS)

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 03
06




### I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

## SECTION D. Source Level Requirements

Source ID: 109 Source Name: BUILDING 57 BACKUP GENERATOR

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 03

PROC 109 → STAC S109

### I. RESTRICTIONS.

### Emission Restriction(s).

**# 001 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4233]**
**Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines**
**What emission standards must I meet if I am an owner or operator of a stationary SI internal combustion engine?**

(a) – (d) Not applicable.

(e) The permittee shall comply with the emission standards in Table 1 to this subpart for their stationary SI ICE. If the stationary SI ICE was certified to a carbon monoxide (CO) standard above the standard in Table 1 to this subpart, then the permittee may meet the CO certification (not field testing) standard for which the engine was certified.

(f) – (h) Not applicable.

**# 002 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4234]**
**Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines**
**How long must I meet the emission standards if I am an owner or operator of a stationary SI internal combustion engine**

The permittee shall operate and maintain stationary SI ICE that achieve the emission standards as required in §60.4233 over the entire life of the engine.

### II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### IV. RECORDKEEPING REQUIREMENTS.

**# 003 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4245]**
**Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines**
**What are my notification, reporting, and recordkeeping requirements if I am an owner or operator of a stationary SI internal combustion engine?**

The permittee must meet the following notification, reporting and recordkeeping requirements.

(a) The permittee must keep records of the information in paragraphs (a)(1) through (4) of this section.

(1) All notifications submitted to comply with this subpart and all documentation supporting any notification.

(2) Maintenance conducted on the engine.

(3) Documentation from the manufacturer that the engine is certified to meet the emission standards and information as required in 40 CFR parts 90, 1048, 1054, and 1060, as applicable.

## SECTION D. Source Level Requirements

(4) Not applicable.

(b) – (e) Not applicable.

### V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### VI. WORK PRACTICE REQUIREMENTS.

**# 004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4243]**

**Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines**

**What are my compliance requirements if I am an owner or operator of a stationary SI internal combustion engine?**

(a) The permittee must comply by purchasing an engine certified to the emission standards in §60.4231(a) through (c), as applicable, for the same engine class and maximum engine power. In addition, you must meet the requirements specified in (a)(1) of this section.

(1) The permittee must keep records of conducted maintenance to demonstrate compliance, but no performance testing is required if you are an owner or operator. You must also meet the requirements as specified in 40 CFR part 1068, subparts A through D, as they apply to you. If you adjust engine settings according to and consistent with the manufacturer's instructions, your stationary SI internal combustion engine will not be considered out of compliance.

(2) Not applicable.

(b) The permittee must demonstrate compliance according to paragraph (b)(1) of this section.

(1) Purchasing an engine certified according to procedures specified in this subpart, for the same model year and demonstrating compliance according to one of the methods specified in paragraph (a) of this section.

(2) Not applicable.

(c) Not applicable.

(d) The permittee must operate the emergency stationary ICE according to the requirements in paragraphs (d)(1) through (3) of this section. In order for the engine to be considered an emergency stationary ICE under this subpart, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (d)(1) through (3) of this section, is prohibited. If you do not operate the engine according to the requirements in paragraphs (d)(1) through (3) of this section, the engine will not be considered an emergency engine under this subpart and must meet all requirements for non-emergency engines.

(1) There is no time limit on the use of emergency stationary ICE in emergency situations.

(2) You may operate your emergency stationary ICE for any combination of the purposes specified in paragraphs (d)(2)(i) through (iii) of this section for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraph (d)(3) of this section counts as part of the 100 hours per calendar year allowed by this paragraph (d)(2).

(i) Emergency stationary ICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency ICE beyond 100 hours per calendar year.

(ii) - (iii) Not applicable.

## SECTION D. Source Level Requirements

(3) Emergency stationary ICE may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing and emergency demand response provided in paragraph (d)(2) of this section. Except as provided in paragraph (d)(3)(i) of this section, the 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

(e) Not applicable.

(g) It is expected that air-to-fuel ratio controllers will be used with the operation of three-way catalysts/non-selective catalytic reduction. The AFR controller must be maintained and operated appropriately in order to ensure proper operation of the engine and control device to minimize emissions at all times.

(i) Not applicable.

### VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

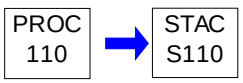
***** Permit Shield in Effect. *****

## SECTION D. Source Level Requirements

Source ID: 110 Source Name: BUILDING 87 DIESEL PUMP 3

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 03
09




### I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

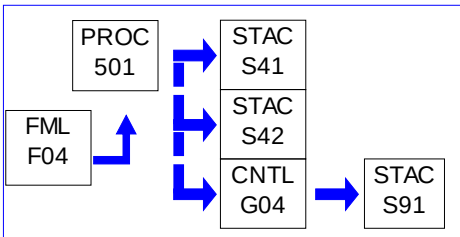
***** Permit Shield in Effect. *****

## SECTION D. Source Level Requirements

Source ID: 501 Source Name: PAPERMACHINE 1M

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 02
07
14




### I. RESTRICTIONS.

### Emission Restriction(s).

**# 001 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

Pursuant to the Best Available Technology provision of 25 PA Code, Chapter 127.12, the facility is subject to the following air contaminant emission limitations:

Source 501 -1M Papermachine dust control system shall not exceed 0.02 grains/dscf of total particulate including PM10.

**# 002 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

The storage and handling of material collected in the air cleaning device(s) associated with the aforementioned source(s) shall not at any time result in the emission of fugitive air contaminants in excess of the limitations specified in Section 123.1 of Chapter 123 of the Rules and Regulations of the Department of Environmental Protection.

### II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### IV. RECORDKEEPING REQUIREMENTS.

**# 003 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

The company shall monitor and record the water flow rate to the scrubber (gal/min). At a minimum these recordings shall be taken once per day, while the source and scrubber are in operation. The recordings shall be maintained in a logbook or electronically and made available to the Department upon request.

The water flow rate is designated in the CAM requirements Group 05, Condition #003 to assure compliance with the PM emission limit.

## SECTION D. Source Level Requirements

### V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

## SECTION D. Source Level Requirements

Source ID: 502 Source Name: PAPERMACHINE 2M

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 02
07
14


### I. RESTRICTIONS.

### Emission Restriction(s).

**# 001 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

Pursuant to the Best Available Technology provision of 25 PA Code, Chapter 127.12, the filterable particulate emissions from the settling chamber (source ID C502-A) shall not exceed 0.502 lb/hr.

**# 002 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

VOC emissions from the 2M Papermachine shall not exceed 52.2 Tons per year (12 Month Rolling Sum).

**# 003 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

Pursuant to the provision of 25 PA Code, Chapter 123, Section 123.31, there shall be no malodorous emissions from the 2M Paper Machine detected outside the property line.

### Fuel Restriction(s).

**# 004 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

The permittee shall only use pipeline quality natural gas as fuel for the furnace.

### II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### III. MONITORING REQUIREMENTS.

**# 005 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

The company shall maintain records of all materials (inks, solvents, cleaning solutions, additives, etc.) applied or used in, or associated with the use of the 2M Paper Machine. These records shall accurately identify the materials (inks, solvents, cleaning solvents, additives, etc.) and the amounts of each material used on a monthly basis and shall also include comprehensive compositional data for each material, which accurately identifies and quantifies the volatile organic compound and any hazardous air pollutant content of the respective materials in order to comply with the VOC emission limit in Condition #002.

## SECTION D. Source Level Requirements

### IV. RECORDKEEPING REQUIREMENTS.

**# 006 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

(1) In accordance with the record keeping requirements of 25 PA Code, Procter & Gamble will maintain records which will at a minimum show all VOC containing materials (ink, solvent, cleaning solutions, additives, etc.) applied or used in, or associated with the use of the 2M Paper Machine. These records shall accurately identify the materials and the amounts of each material used on a monthly basis and shall also include comprehensive compositional data for each material, which accurately identifies and quantifies the volatile organic compound and hazardous air pollutant content of the respective materials to comply with the VOC emission limit in Condition #002.

(2) 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 operating permit. All measurements, records and other data required to be maintained by the company shall be retained for at least five (5) years and made available to the Department upon request.

**# 007 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

The company shall monitor and record the water flow rate to the scrubber (gal/min). At a minimum these recordings shall be taken once per day, while the source and scrubber are in operation. The recordings shall be maintained in a logbook or electronically and made available to the Department upon request.

The water flow rate is designated in the CAM requirements Group 05, Condition #003 to assure compliance with the PM emission limit.

**# 008 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

(A) The permittee shall keep accurate and comprehensive records of the following to demonstrate compliance with the fuel requirements specified above for the papermachine.

(1) The gas quality characteristics in a current, valid purchase contract, tariff sheet or transportation contract for the gaseous
fuel, specifying that the maximum total sulfur content of the fuel is 20.0 grains/100 scf or less

AND

minimum percent methane composition equals 70% by volume or the fuel has a lower heating value between 950 and 1,100 British thermal units per standard cubic foot;

OR

(2) Representative fuel sampling data which show that the sulfur content of the gaseous fuel does not exceed 20 grains/100
scf

AND

minimum percent methane composition equals 70% by volume or the fuel has a lower heating value between 950 and 1,100 British thermal units per standard cubic foot.

(i) With additional authority for this item taken from 40 CFR 70.6, the records of the fuel sampling performed in this paragraph shall include the following;

(a) The date, place and time of sampling;
(b) The date(s) analyses were performed;
(c) The company or entity that performed the analyses;
(d) The analytical techniques or methods used;
(e) The results of such analyses; and
(f) The operating conditions as existing at the time of sampling or measurement;

## SECTION D. Source Level Requirements

### V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### VI. WORK PRACTICE REQUIREMENTS.

**# 009 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

(a) The source shall be operated in such a manner as not to cause air pollution, as defined in 25 Pa. Code § 121.1.

(b) The source shall be operated and maintained in a manner consistent with good operating and maintenance practices;

(c) The source shall be operated and maintained in accordance with the manufacturer's specifications and the applicable terms and conditions of this Permit.

(d) The company shall perform an annual adjustment and/or tune-up on the combustion process as per manufacturer specifications.

### VII. ADDITIONAL REQUIREMENTS.

**# 010 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

This operating permit allows operation of a vacuum drying roll immediately prior to predryer of papermachine to increase paperdrying capacity rate of papermachine 2M (Source ID 502).

***** Permit Shield in Effect. *****

## SECTION D. Source Level Requirements

Source ID: 503 Source Name: PAPERMACHINE 3M

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 02
07
08
14


### I. RESTRICTIONS.

### Emission Restriction(s).

**# 001 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

Pursuant to the Best Available Technology provision of 25 PA Code, Chapter 127.12, the total particulate emissions including PM10 & PM2.5 from the settling chamber (source ID C503-A) shall not exceed 0.502 lb/hr.

### Fuel Restriction(s).

**# 002 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

The permittee shall only use pipeline quality natural gas as fuel for the furnace.

### II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### IV. RECORDKEEPING REQUIREMENTS.

**# 003 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

(A) The permittee shall keep accurate and comprehensive records of the following to demonstrate compliance with the fuel requirements specified above for the papermachine.

(1) The gas quality characteristics in a current, valid purchase contract, tariff sheet or transportation contract for the gaseous
fuel, specifying that the maximum total sulfur content of the fuel is 20.0 grains/100 scf or less

AND

## SECTION D. Source Level Requirements

minimum percent methane composition equals 70% by volume or the fuel has a lower heating value between 950 and 1,100 British thermal units per standard cubic foot;
OR

(2) Representative fuel sampling data which show that the sulfur content of the gaseous fuel does not exceed 20 grains/100
scf

AND

minimum percent methane composition equals 70% by volume or the fuel has a lower heating value between 950 and 1,100 British thermal units per standard cubic foot.

(i) With additional authority for this item taken from 40 CFR 70.6, the records of the fuel sampling performed in this paragraph shall include the following;

(a) The date, place and time of sampling;
(b) The date(s) analyses were performed;
(c) The company or entity that performed the analyses;
(d) The analytical techniques or methods used;
(e) The results of such analyses; and
(f) The operating conditions as existing at the time of sampling or measurement;

### V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### VI. WORK PRACTICE REQUIREMENTS.

**# 004 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

(1) The papermachines dust control systems may only be operated as long as the associated air pollution control devices are operated and maintained in accordance with the specifications set forth in the respective plan approval(s), and the application(s) submitted for said plan approval(s) (as approved by the Department), and in accordance with any conditions set forth herein.

(2) The company shall maintain and operate the air pollution control equipment and sources in accordance with good engineering practices.

**# 005 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

(a) The source shall be operated in such a manner as not to cause air pollution, as defined in 25 Pa. Code § 121.1.

(b) The source shall be operated and maintained in a manner consistent with good operating and maintenance practices.

(c) The source shall be operated and maintained in accordance with the manufacturer's specifications and the applicable terms and conditions of this Permit.

(d) The company shall perform an annual adjustment and/or tune-up on the combustion process as per manufacturer specifications.

## SECTION D. Source Level Requirements

### VII. ADDITIONAL REQUIREMENTS.

**# 006 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

This operating permit allows operation of a vacuum drying roll immediately prior to predryer of papermachine to increase paperdrying capacity rate of papermachine 3M (Source ID 503).

***** Permit Shield in Effect. *****

## SECTION D. Source Level Requirements

Source ID: 504 Source Name: PAPERMACHINE 4M

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 02
07
14


### I. RESTRICTIONS.

### Emission Restriction(s).

**# 001 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

Pursuant to the best available technology provisions of Section 127.1 and 127.12 of Chapter 127 of Article III of the Rules and Regulations of the Department of Environmental Protection, Particulate matter emissions from the venturi scrubber shall not exceed 0.02 grains per DSCF during any time of operation.

**# 002 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

The nitrogen oxide (NOx), carbon monoxide (CO) and particulate matter (PM) emissions from the 4M papermachine shall not exceed the following:

NOx - 0.1 lb/Million BTU 24-hour average, as determined monthly using site-specific NOX emissions factor, monthly fuel consumption and number of operating hours in the month.

CO - 21.0 lb/hr 24-hour average, as determined monthly using site-specific CO emissions factor, monthly fuel consumption and number of operating hours in the month.

PM - 12.4 lb/hr 24-hour average, as determined using U.S. EPA AP-42 or site-specific filterable PM emissions factor, monthly fuel consumption and number of operating hours in the month.

### II. TESTING REQUIREMENTS.

**# 003 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

The permittee shall perform a stack test (every five years) within five years of the previous stack test to demonstrate compliance with Condition #002 NOX and CO limitations. The stack test will consist of three, 1-hour test runs, performed on the hot air stack (S47) and performed in compliance with the requirements of 25 Pa. Code, Chapter 139, §139.3.

### III. MONITORING REQUIREMENTS.

**# 004 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

The permittee shall monitor the daily consumption of natural gas (units per day) by the 4M papermachine, and maintain these records in a log book or electronically.

### IV. RECORDKEEPING REQUIREMENTS.

**# 005 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

## SECTION D. Source Level Requirements

The company shall monitor and record the water flow rate to the scrubber (gal/min). At a minimum these recordings shall be taken once per day, while the source and scrubber are in operation. The recordings shall be maintained in a logbook or electronically and made available to the Department upon request.

The water flow rate is designated in the CAM requirements Group 05, Condition #003 to assure compliance with the PM emission limit.

**# 006 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

(a) The permittee shall keep comprehensive and accurate records of the following information:

(1) The supporting calculations on a monthly basis used to verify compliance with the nitrogen oxide, carbon monoxide, and
particulate emissions (PM, PM10, PM2.5) limitations for the papermachine and particulate emissions limitations for scrubber in any 12 consecutive month period.

(2) The test reports and supporting calculations used to verify compliance with the emissions limitations for scrubber.

(b) All records generated pursuant to this condition shall be kept for a minimum of five (5) years and shall be made available to the Department upon request.

### V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### VI. WORK PRACTICE REQUIREMENTS.

**# 007 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

The permittee shall maintain and operate the specific control device (Low NOx Burner) during operations of the 4M Papermachine.

The permittee shall also maintain and operate the 4M dust scrubber during operation of the 4M papermachine dust control system.

### VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

## *** Permit Shield in Effect. ***

## SECTION D. Source Level Requirements

Source ID: 505 Source Name: PAPERMACHINE 5M

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 02
07
08
14


### I. RESTRICTIONS.

### Emission Restriction(s).

**# 001 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

Pursuant to the Best Available Technology provision of 25 PA Code, Chapter 127.12, the total particulate emissions including PM10 & PM2.5 from the settling chamber (source ID C505-A) shall not exceed 0.502 lb/hr.

**# 002 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

Pursuant to the Best Available Technology provision of 25 PA Code, Chapter 127.12, the Total Particulate, including PM10, emissions from the 5M Paper Machine shall not exceed 0.1 grains/dry standard cubic feet. (This condition applies to control device GO5 (under-repulper scrubber)).

**# 003 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

The storage and handling of the material collected in the air cleaning device(s) associated with the aforementioned source(s) shall not at any time result in the emission of fugitive air contaminants in excess of the limitations specified in Section 123.1 of chapter 123 of the Rules and Regulations of the Department of Environmental Protection.

### II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

## SECTION D. Source Level Requirements

### IV. RECORDKEEPING REQUIREMENTS.

**# 004 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

The company shall monitor and record the water flow rate to the scrubber (gal/min). At a minimum these recordings shall be taken once per day, while the source and scrubber are in operation. The recordings shall be maintained in a logbook or electronically and made available to the Department upon request.

The water flow rate is designated in the CAM requirements Group 05, Condition #003 to assure compliance with the PM emission limit.

**# 005 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

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 operating permit. The file shall include, but not be limited to: all air pollution control systems performance evaluations and 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 five years following the date on which such measurements, records or data are recorded.

### V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### VII. ADDITIONAL REQUIREMENTS.

**# 006 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

This operating permit allows operation of a settling chamber to control PM emissions from papermaking processes of papermachine 5M (Source ID 505).

**# 007 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

This operating permit allows operation of a vacuum drying roll immediately prior to predryer of papermachine to increase paperdrying capacity rate of papermachine 5M (Source ID 505).

***** Permit Shield in Effect. *****

## SECTION D. Source Level Requirements

Source ID: 506 Source Name: PAPERMACHINE 6M

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 02
07
08
14


### I. RESTRICTIONS.

### Emission Restriction(s).

**# 001 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

Pursuant to the Best Available Technology provision of 25 PA Code, Chapter 127.12, the total particulate emissions including PM10 & PM 2.5 from the settling chamber (source ID C506-A) shall not exceed 0.502 lb/hr.

### II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### IV. RECORDKEEPING REQUIREMENTS.

**# 002 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

The company shall monitor and record the water flow rate to the scrubber (gal/min). At a minimum these recordings shall be taken once per day, while the source and scrubber are in operation. The recordings shall be maintained in a logbook or electronically and made available to the Department upon request.

The water flow rate is designated in the CAM requirements Group 05, Condition #003 to assure compliance with the PM emission limit.

### V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

## SECTION D. Source Level Requirements

### VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### VII. ADDITIONAL REQUIREMENTS.

**# 003 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

This operating permit allows operation of a vacuum drying roll immediately prior to predryer of papermachine to increase paperdrying capacity rate and settling chamber to control PM emissions from papermaking processes of papermachine 6M (Source ID 506).

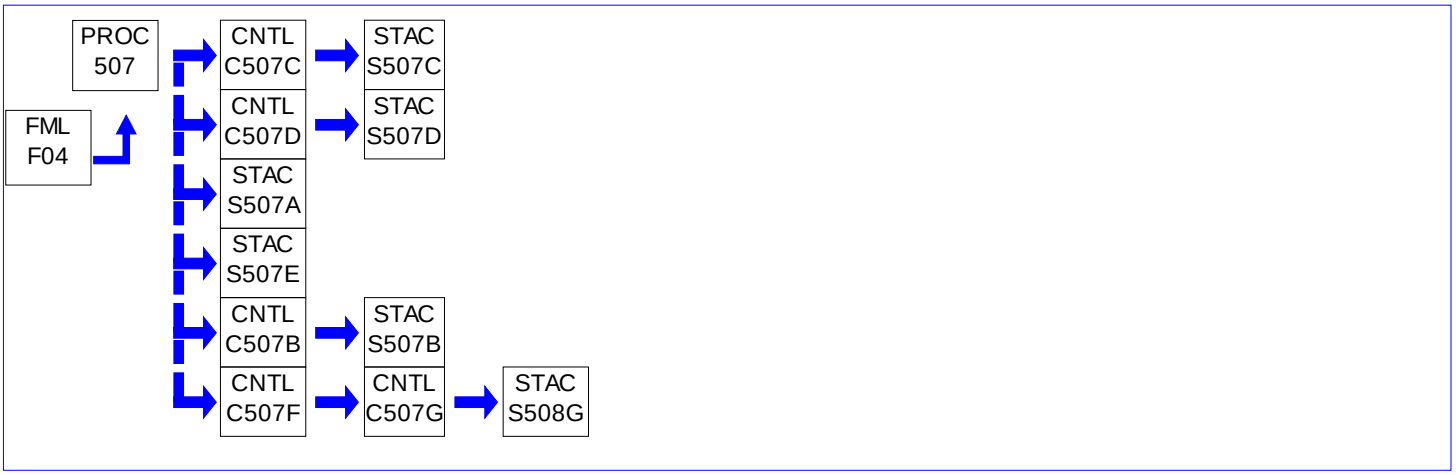
***** Permit Shield in Effect. *****

## SECTION D. Source Level Requirements

Source ID: 507 Source Name: PAPERMACHINE 7M

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 06
14




### I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

## SECTION D. Source Level Requirements

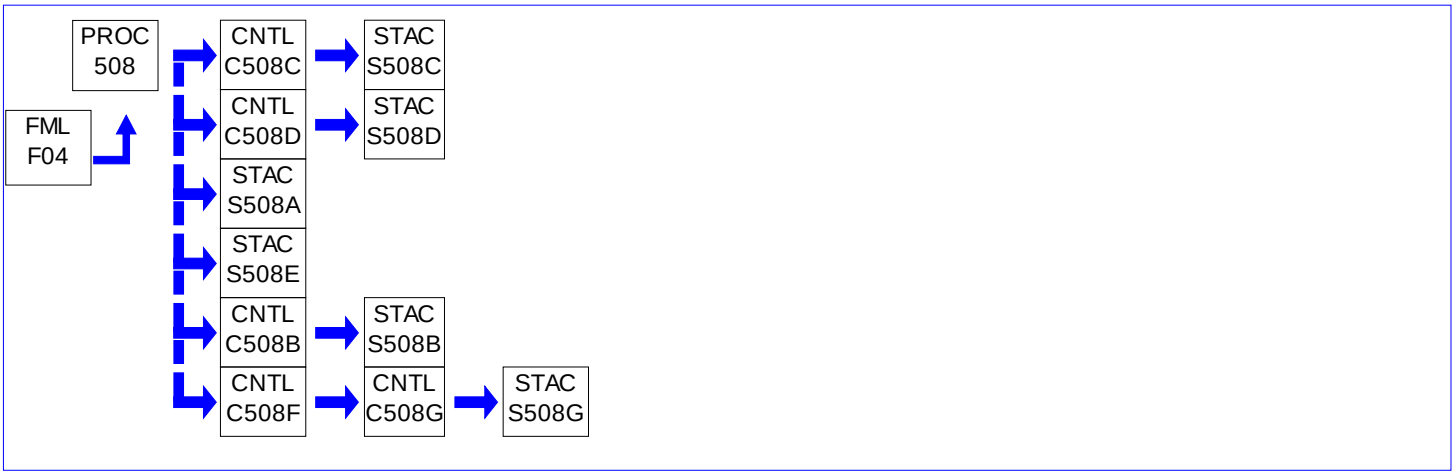
***** Permit Shield in Effect. *****

## SECTION D. Source Level Requirements

Source ID: 508 Source Name: PAPERMACHINE 8M

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 06
14




### I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

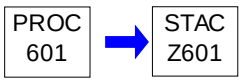
## SECTION D. Source Level Requirements

***** Permit Shield in Effect. *****

## SECTION D. Source Level Requirements

Source ID: 601 Source Name: AMMONIA STORAGE TANK 12,000 GAL.

Source Capacity/Throughput:




### I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

### II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

### III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

### IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

### V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

### VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

### VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

## SECTION D. Source Level Requirements

Source ID: CP2 Source Name: ROTOGRAVURE PRINTING PROCESS

Source Capacity/Throughput:


### I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

### II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

### III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

### IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

### V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

### VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

### VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

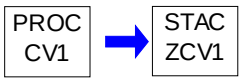
***** Permit Shield in Effect. *****

## SECTION D. Source Level Requirements

Source ID: CV1 Source Name: CONV. FUGITIVE EMISSIONS

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 06




### I. RESTRICTIONS.

### Emission Restriction(s).

**# 001 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

This condition applies to portions of the tissue converting operations (Site ID Numbers: MT-60,61,62,63,65, and 66)

(a) The Company shall construct all process equipment (adhesive application system) to the extent that the coating is applied at a rate of less than a total of 3 (three) tons per year (VOC's) emission limit (12-month rolling sum)

(b) The company will install and operate the adhesive application system and maintain the equipment in accordance with the good engineering practices to assure proper operation of the system.

(c) The company will maintain records of all VOC HAP containing chemicals applied by means of web-coating equipment to ensure that the respective VOC HAP contents for as applied and as purchased are not exceeded.

(d) MT-66 was added to this group through plan approval 66-315-058. It does not change any emission limit or requirements of the condition . It only adds line MT-66 to this group of lines for this condition.

**# 002 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

The Volatile Organic Compound (VOC) emissions from this converting line including cleanup solvent usage (if any) shall never exceed the following: (This condition applies only to MK84 converting line)

13.6 tons per year calculated on a monthly basis (12-month rolling sum).

**# 003 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

The volatile organic compound (VOC) emissions from the Tissue perfume process shall be maintained at the potential to emit used on the economic analysis as follows:

(1) VOC - 18.21 Tons Per Year

**# 004 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

The total Volatile Organic Compound (VOC) emissions from the conversion of the coremaking operation (including solvent usage) shall never exceed 1.3 tons per 12-month rolling sum.

**# 005 [25 Pa. Code §129.52]**

**Surface coating processes**

[Authority of this condition is also derived from Plan Approval 66-315-058]

The permittee may not cause or permit the emissions into the outdoor atmosphere of VOCs from paper coating process in excess of 4.84 lbs VOC per gallon of coating solids.

**# 006 [25 Pa. Code §129.67]**

**Graphic arts systems**

The inks used for printing operations shall contain 25% or less VOC and 75% or more of water by volume.

## SECTION D. Source Level Requirements

### II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### IV. RECORDKEEPING REQUIREMENTS.

**# 007 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

The company shall maintain records which shall include at a minimum the following:

(a) The records shall keep calculations of VOC emissions from converting operations on a 12-month rolling sum basis, assuming 100% VOC loss from VOC-containing materials.

(b) The company shall keep records which verify monthly ink usage, VOC content in pounds per gallon minus water, ink density, solvent density, and monthly VOC emissions from converting operations.

(c) All records shall be maintained for at least five (5) years and shall be made available to the Department upon request.

**# 008 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

The permittee shall maintain records of the VOC emissions from the glue process on the converting lines. The VOC emissions shall be maintained on a 12-month rolling sum basis. The emissions shall be added to the overall emissions of Source ID CV1 to demonstrate compliance with the emission limits.

**# 009 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

The applicant shall monitor and record total core adhesive and ink usage, including VOC content, on a monthly basis, to verify compliance with the VOC emission limitation of Condition of this section.

### V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### VI. WORK PRACTICE REQUIREMENTS.

**# 010 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

The following work practice standards shall be followed:

(a) All VOC-containing materials shall be stored in closed, nonabsorbent, non-leaking containers when not being mixed, transferred or otherwise used. The permittee may rely on material safety data sheets or equivalent product data sheets to determine whether a material is "VOC-containing";

(b) VOC-containing items that are not in use, such as cloth and paper, or other absorbent applicators, moistened with coatings, solvents or cleaning solvents, shall be stored in closed, nonabsorbent, non-leaking containers; and

(c) All spills of VOC-containing material shall be cleaned up as soon as possible.

## SECTION D. Source Level Requirements

**# 011 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

Glue or ink shall not be applied to any substrate until the core-paper flow has begun and stable operating conditions have been obtained.

**# 012 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

(1) If at any time the Department has cause to believe that air contaminant emissions from the aforementioned source(s) may be in excess of the limitations specified in, or established pursuant to, any applicable rule or regulation contained in Article III of the Rules and Regulations of the Department of Environmental Protection, the company shall be required to conduct whatever tests are deemed necessary by the Department to determine the actual emission rate(s). Such testing shall be conducted in accordance with the revisions of Chapter 139 of the Rules and Regulations Environmental Protection, where applicable, and in accordance with any restrictions or limitations established by the Department at such time as it notifies the company that testing is required.

(2) The company shall not impose conditions upon or otherwise restrict the Department's access to the aforementioned source(s) and/or any associated air cleaning device(s) and shall allow the Department to have access at any time to said source(s) and associated air cleaning device(s) with such measuring and recording equipment, and proper for performing its duties and for the effective enforcement of the Air Pollution Control Act.

**# 013 [25 Pa. Code §129.77.]**

**Control of emissions from the use or application of adhesives, sealants, primers and solvents.**

(a) - (e) Not Applicable

(f) Removal of an adhesive, sealant, adhesive primer or sealant primer from the parts of spray application equipment shall be performed by one or more of the following methods:

(1) Using an enclosed cleaning system, or an equivalent cleaning system as determined by the test method identified in subsection (z).

(2) Using a solvent with a VOC content less than or equal to 70 grams of VOC per liter of material or 0.6 pound of VOC per gallon of material.

(3) Soaking parts containing dried adhesive in a solvent if the composite partial vapor pressure of the solvent, excluding water and exempt compounds, is less than or equal to 9.5 mm mercury at 20° C and the parts and solvent are in a closed container that remains closed except when adding parts to or removing parts from the container.

(g) Not Applicable

(h) An owner or operator of a facility subject to this section shall store or dispose of all absorbent materials, including cloth or paper, which are moistened with adhesives, sealants, primers, surface preparation solvents or cleanup solvents subject to this section, in nonabsorbent containers at the facility that are kept closed except when placing materials in or removing materials from the container.

(i) An owner or operator of a facility subject to this section may not solicit, require or specify the use or application of an adhesive, sealant, adhesive primer, sealant primer, surface preparation solvent or cleanup solvent if the use or application would result in a violation of this section, unless the emissions are controlled through the use of add-on air pollution control equipment as specified in subsection (g). The prohibition of this subsection applies to all written or oral contracts created on or after January 1, 2012, under which an adhesive, sealant, adhesive primer, sealant primer, surface preparation solvent or cleanup solvent subject to this section is to be used or applied at a facility in this Commonwealth.

(j) An owner or operator of a facility subject to this section who uses or applies an adhesive, sealant, adhesive primer or sealant primer subject to this section may not add solvent to the adhesive, sealant, adhesive primer or sealant primer in an amount in excess of the manufacturer’s recommendation for application, if this addition causes the adhesive, sealant, adhesive primer or sealant primer to exceed the applicable VOC content limit listed in Table V or VI, unless the emissions are controlled through the use of add-on air pollution control equipment as specified in subsection (g).

## SECTION D. Source Level Requirements

(k) - (n) Not Applicable

(o) Except as provided in subsection (p), each owner or operator subject to this section shall maintain records demonstrating compliance with this section, including the following information:

(1) A list of each adhesive, sealant, adhesive primer, sealant primer, surface preparation solvent and cleanup solvent product in use and in storage.

(2) A data sheet or material list which provides the product name, manufacturer identification and use or material application for each product included on the list required under paragraph (1).

(3) The VOC content of each product on the list required under paragraph (1), as supplied.

(4) Catalysts, reducers or other components used and the mix ratio.

(5) The VOC content or vapor pressure of each product on the list required by paragraph (1), as applied, if solvent or other VOC is added to the product before application.

(6) The volume purchased or produced of each product on the list required under paragraph (1).

(7) The monthly volume used or applied as part of a manufacturing process at the facility of each product on the list required under paragraph (1).

(p) Not Applicable

(q) Records made to determine compliance with this section shall be:

(1) Maintained onsite for 5 years from the date the record is created.

(2) Made available to the Department upon receipt of a written request.

### VII. ADDITIONAL REQUIREMENTS.

**# 014 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

(1) Source ID CV1 consists of 21 converting lines. The following 3 converting lines (MC1, MC2, and MT66) have been modified to incorporate process equipment on the three lines with a capability to apply glue to certain products from the lines. This modification was completed under this plan approval 66-315-058:

(2) Source ID CV1 consists of 21 converting lines. The following (1) converting line (MC2) was modified by adding additonal equipment to line MC2 to give the line the capability to produce multiple products and give the line more flexibility the the manufacturing of paper products. This modification was completed under plan approval 66-00001A.

(2a) Additionally the modification to MC2 involves date coding and adhesive operations which will also produce VOC's. These
VOCs shall be added to the overall emissions of CV1 on a 12-month rolling basis.

(2b) It is noted that the original plan approval was to also add the ability to extrude a polymer suspension over the product. P&G elected not to incorporate this into the modification and will submit a new plan approval if they decide to do this in the future. It is also noted that by having the capability to produce multiple products the line, MC2, will not debottleneck the existing paper machines in any manner.

(3) All applicable limitations already established in the facilities current Title V Operating Permit for Source ID CV1 will not be exceeded by the implementation of the changes made to the converting lines from the above mentioned plan approvals.

***** Permit Shield in Effect. *****

## SECTION D. Source Level Requirements

Source ID: CV2 Source Name: NAPKINS FUGITIVE EMISSIONS (LINES 1 THRU 6)

Source Capacity/Throughput:

PROC CV2 → STAC ZCV2

### I. RESTRICTIONS.

### Emission Restriction(s).

**# 001 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

Pursuant to the requirements of 40 CFR Part 63, § 63.825 (b), the company shall limit the organic HAP emissions from Napkins converting lines 6 to no more than 5 percent of the organic HAP applied for the month; or to no more than 4 percent of the mass of inks, coatings, varnishes, adhesives, primers, solvents, reducers, thinners, and other materials applied for the month.

**# 002 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

The Volatile Organic Compound (VOC) emissions from this converting operation equipment including solvent usage shall never exceed the following:

(a) 44.9 tons per year calculated on a monthly basis (12-month rolling sum)

**# 003 [25 Pa. Code §129.67]**

**Graphic arts systems**

Pursuant to the provision of 25 PA Code, Chapter 129, Section 129.67, the company shall use inks so that the volatile fraction of ink, as applied to the substrate, shall contain 25% or less by volume of volatile organic compounds (VOCs) and 75% or more by volume of water.

### II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

### III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

### IV. RECORDKEEPING REQUIREMENTS.

**# 004 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

(1) In accordance with the record keeping requirements of 25 PA Code, Procter & Gamble will maintain records which will at a minimum show all coatings/chemical additives materials applied or used in, or associated with the use in the napkin converting lines. These records shall accurately identify the coatings/chemical and the amounts of each coating/chemical used on a monthly basis and shall also include comprehensive compositional data for each coating/chemical, which accurately identifies and quantifies the volatile organic compound and hazardous air pollutant content of the respective chemicals.

(2) 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 operatin permit. All measurements, records and other data required to be maintained by the company shall be retained for at least five (5) years and made available to the Department upon request.

## SECTION D. Source Level Requirements

### V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

### VI. WORK PRACTICE REQUIREMENTS.

**# 005 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

(a) all VOC-containing materials shall be stored in closed, nonabsorbent, non-leaking containers when not being mixed, transferred or otherwise used. The permittee may rely on material safety data sheets or equivalent product data sheets to determine whether a material is "VOC-containing";

(b) VOC-containing items that are not in use, such as cloth and paper, or other absorbent applicators, moistened with additives, coatings, solvents or cleaning solvents, shall be stored in closed, nonabsorbent, non-leaking containers; and

(c) all spills of VOC-containing material shall be cleaned up as soon as possible.

**# 006 [25 Pa. Code §129.77.]**

**Control of emissions from the use or application of adhesives, sealants, primers and solvents.**

(a) - (e) Not Applicable

(f) Removal of an adhesive, sealant, adhesive primer or sealant primer from the parts of spray application equipment shall be performed by one or more of the following methods:

(1) Using an enclosed cleaning system, or an equivalent cleaning system as determined by the test method identified in subsection (z).

(2) Using a solvent with a VOC content less than or equal to 70 grams of VOC per liter of material or 0.6 pound of VOC per gallon of material.

(3) Soaking parts containing dried adhesive in a solvent if the composite partial vapor pressure of the solvent, excluding water and exempt compounds, is less than or equal to 9.5 mm mercury at 20° C and the parts and solvent are in a closed container that remains closed except when adding parts to or removing parts from the container.

(g) Not Applicable

(h) An owner or operator of a facility subject to this section shall store or dispose of all absorbent materials, including cloth or paper, which are moistened with adhesives, sealants, primers, surface preparation solvents or cleanup solvents subject to this section, in nonabsorbent containers at the facility that are kept closed except when placing materials in or removing materials from the container.

(i) An owner or operator of a facility subject to this section may not solicit, require or specify the use or application of an adhesive, sealant, adhesive primer, sealant primer, surface preparation solvent or cleanup solvent if the use or application would result in a violation of this section, unless the emissions are controlled through the use of add-on air pollution control equipment as specified in subsection (g). The prohibition of this subsection applies to all written or oral contracts created on or after January 1, 2012, under which an adhesive, sealant, adhesive primer, sealant primer, surface preparation solvent or cleanup solvent subject to this section is to be used or applied at a facility in this Commonwealth.

(j) An owner or operator of a facility subject to this section who uses or applies an adhesive, sealant, adhesive primer or sealant primer subject to this section may not add solvent to the adhesive, sealant, adhesive primer or sealant primer in an amount in excess of the manufacturer's recommendation for application, if this addition causes the adhesive, sealant, adhesive primer or sealant primer to exceed the applicable VOC content limit listed in Table V or VI, unless the emissions are controlled through the use of add-on air pollution control equipment as specified in subsection (g).

(k) - (n) Not Applicable

## SECTION D. Source Level Requirements

(o) Except as provided in subsection (p), each owner or operator subject to this section shall maintain records demonstrating compliance with this section, including the following information:

(1) A list of each adhesive, sealant, adhesive primer, sealant primer, surface preparation solvent and cleanup solvent product in use and in storage.

(2) A data sheet or material list which provides the product name, manufacturer identification and use or material application for each product included on the list required under paragraph (1).

(3) The VOC content of each product on the list required under paragraph (1), as supplied.

(4) Catalysts, reducers or other components used and the mix ratio.

(5) The VOC content or vapor pressure of each product on the list required by paragraph (1), as applied, if solvent or other VOC is added to the product before application.

(6) The volume purchased or produced of each product on the list required under paragraph (1).

(7) The monthly volume used or applied as part of a manufacturing process at the facility of each product on the list required under paragraph (1).

(p) Not Applicable

(q) Records made to determine compliance with this section shall be:

(1) Maintained onsite for 5 years from the date the record is created.

(2) Made available to the Department upon receipt of a written request.

### VII. ADDITIONAL REQUIREMENTS.

**# 007 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

The company shall maintain records which shall include at a minimum the following:

(a) The records shall provide sufficient data to clearly demonstrate that the emission requirements are met.

(b) The company shall keep adequate records to verify monthly ink usage, VOC content in pounds per gallon minus water, ink density, solvent density, and monthly VOC emissions from converting operations.

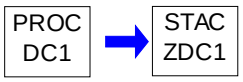
***** Permit Shield in Effect. *****

## SECTION D. Source Level Requirements

Source ID: DC1 Source Name: 40 INK JET PRINTERS (DATE CODE)

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 14




### I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### IV. RECORDKEEPING REQUIREMENTS.

**# 001 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

The permittee shall maintain records of the VOC emissions from the new date coding process. The VOC emissions shall be maintained on a 12 month rolling sum basis.

### V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### VI. WORK PRACTICE REQUIREMENTS.

**# 002 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

The following work practice standards shall be followed:

(a) All VOC-containing materials shall be stored in closed, nonabsorbent, non-leaking containers when not being mixed,transferred or otherwise used. The permittee may rely on material safety data sheets or equivalent product data sheets to determine whether a material is "VOC-containing";

(b) VOC-containing items that are not in use, such as cloth and paper, or other absorbent applicators, moistened with coatings, solvents or cleaning solvents, shall be stored in closed, nonabsorbent, non-leaking containers; and

(c) All spills of VOC-containing material shall be cleaned up as soon as possible.

### VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

## SECTION D. Source Level Requirements

***** Permit Shield in Effect. *****

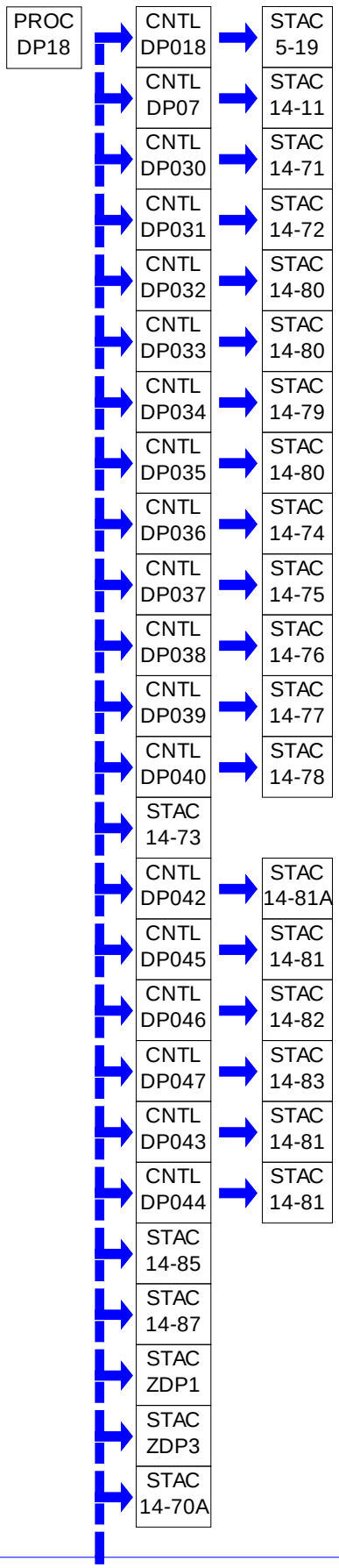
## SECTION D. Source Level Requirements

Source ID: DP18 Source Name: DIAPER OPERATIONS CONSISTING OF EIGHTEEN (18) LINES

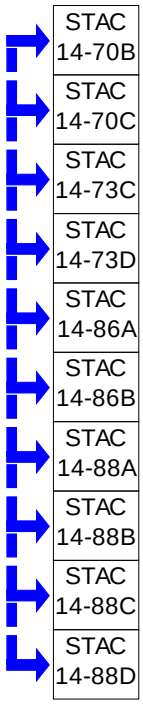
Source Capacity/Throughput:

Conditions for this source occur in the following groups: 14

## SECTION D. Source Level Requirements



## SECTION D. Source Level Requirements




### I. RESTRICTIONS.

### Emission Restriction(s).

**# 001 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

Pursuant to the Best Available Technology provision of 25 Pa. Code §§127.1 and 127.12(a)(5), the total particulates (including PM10) from the diaper production operations (Source ID DP18) shall not exceed 0.02 grains/dscf from each baghouse & drum filter.

**# 002 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

Pursuant to the Best Available Technology provision of 25 Pa. Code §§127.1 and 127.12(a)(5), the VOC emissions from the diaper production operations (Source ID DP18) shall not exceed 22.60 tons in any 12 consecutive month period.

### II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### III. MONITORING REQUIREMENTS.

**# 003 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

A mechanical gauge shall be maintained to indicate, in inches of water column, the static pressure differential across the filter media.

**# 004 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

The AZO stacks shall be monitored daily by means of a visible inspection by trained personnel to insure that no particulate emissions are being emitted to the atmosphere. These daily inspections apply to the following stacks:

Source ID Source Name

## SECTION D. Source Level Requirements

14-70A AZO-47 Stack
14-70B AZO-46 Stack
14-70C AZO-45 Stack
14-73 AZO-32,33 Stack
14-73C AZO-39 Stack
14-73D AZO-40 Stack
14-85 AZO-34,35,36,37 Stack
14-86A AZO-41 Stack
14-86B AZO-42 Stack
14-87 AZO-44 Stack
14-88A AZO-29 Stack
14-88B AZO-30 Stack
14-88C AZO-31 Stack
14-88D AZO-38 Stack

**# 005 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

The company shall maintain records of all materials (inks, glue, adhesive etc.) applied or used in, or associated with the use of the DP18 operations. These records shall accurately identify the materials (inks, glue, adhesive etc.) and the amounts of each material used on a monthly basis and shall also include comprehensive compositional data for each material, which accurately identifies and quantifies the volatile organic compound and any hazardous air pollutant content of the respective materials.

**# 006 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

The company shall ensure that all baghouse & drum filters shall be equipped with the applicable monitoring equipment and the monitoring equipment shall be installed, calibrated, operated, and maintained according to the vendor's specifications at all times the sources are in use.

### IV. RECORDKEEPING REQUIREMENTS.

**# 007 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

The permittee shall record the pressure drop across the dust collectors (21) contained in this source. At a minimum these recordings shall be taken once per day while all sources and the control device are operating. The recordings shall be maintained in a manner approved by the Department.

**# 008 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

The permittee shall maintain a log of the daily visible emission observations of AZO Stacks. This log shall at a minimum document the Date, Time, Observation made, and Personnel who made the observation. These records shall be maintained for a period of 5 years and made available to the Department upon request.

**# 009 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

The permittee shall maintain records of maintenance procedures conducted on the dust control device.

**# 010 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

(1) In accordance with the record keeping requirements of 25 PA Code, Procter & Gamble will maintain records which will at a minimum show all VOC and HAP containing materials applied or used in, or associated with the use of the DP18 operations. These records shall accurately identify the materials and the amounts of each material used on a monthly basis and shall also include comprehensive compositional data for each material, which accurately identifies and quantifies the volatile organic compound and hazardous air pollutant content of the respective materials.

(2) 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 operating permit. All measurements, records and other data required to be maintained by the

## SECTION D. Source Level Requirements

company shall be retained for at least five (5) years and made available to the Department upon request.

**# 011 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

The permittee shall keep up-to-date records of Certified Product Data Sheets (CPDSs) or Safety Data Sheets (SDSs) that identify the volatile organic compound (VOC) content and hazardous air pollutant (HAP) content of each VOC and/or HAP containing material used at the facility.

**# 012 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

(a) The permittee shall keep records of the supporting calculations on a monthly basis for VOC and HAPs emissions from all sources associated with DP18 operations at the facility to verify compliance with the emission limitations of tons in any 12 consecutive month period.

(b) These records shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

**# 013 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

Inspection and maintenance records for each baghouse/drum filter shall include the following:

(a) Records documenting when routine observations were performed with a description including pressure differential readings and any a typical observations.

(b) Records documenting when routine maintenance and corrective actions were performed with a description of the maintenance and/or corrective action performed.

(c) Filter replacement records including filter type, and date of filter installation.

(d) Records documenting equipment failures, malfunctions, or other variations, including time of occurrence, remedial action taken, and when corrections were made.

**# 014 [25 Pa. Code §129.77.]**

**Control of emissions from the use or application of adhesives, sealants, primers and solvents.**

(o) Except as provided in subsection (p), each owner or operator subject to this section shall maintain records demonstrating compliance with this section, including the following information:

(1) A list of each adhesive, sealant, adhesive primer, sealant primer, surface preparation solvent and cleanup solvent product in use and in storage.

(2) A data sheet or material list which provides the product name, manufacturer identification and use or material application for each product included on the list required under paragraph (1).

(3) The VOC content of each product on the list required under paragraph (1), as supplied.

(4) Catalysts, reducers or other components used and the mix ratio.

(5) The VOC content or vapor pressure of each product on the list required by paragraph (1), as applied, if solvent or other VOC is added to the product before application.

(6) The volume purchased or produced of each product on the list required under paragraph (1).

(7) The monthly volume used or applied as part of a manufacturing process at the facility of each product on the list required under paragraph (1).

## SECTION D. Source Level Requirements

(p) Not Applicable

(q) Records made to determine compliance with this section shall be:

(1) Maintained onsite for 5 years from the date the record is created.

(2) Made available to the Department upon receipt of a written request.

### V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### VI. WORK PRACTICE REQUIREMENTS.

**# 015 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

Dust collected in the control device shall be discharged into closed containers only.

**# 016 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

The company shall maintain and operate the air pollution control equipment and sources in accordance with good engineering practices.

**# 017 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

A mechanical gauge shall be maintained to indicated in inches of water column the static pressure differential across the filter media.

**# 018 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

(1) The storage and handling of the material collected in the air cleaning device(s) associated with the aforementioned source(s) shall not at any time result in the emission of fugitive air contaminants in excess of the limitations specified in Section 123.1 of chapter 123 of the Rules and Regulations of the Department of Environmental Protection.

(2) Volatile organic liquid may not be spilled or discarded in sewers or stored in open containers or handled in a manner that would result in uncontrolled evaporation to the atmosphere.

**# 019 [25 Pa. Code §129.77.]**

**Control of emissions from the use or application of adhesives, sealants, primers and solvents.**

(a) - (e) Not Applicable

(f) Removal of an adhesive, sealant, adhesive primer or sealant primer from the parts of spray application equipment shall be performed by one or more of the following methods:

(1) Using an enclosed cleaning system, or an equivalent cleaning system as determined by the test method identified in subsection (z).

(2) Using a solvent with a VOC content less than or equal to 70 grams of VOC per liter of material or 0.6 pound of VOC per gallon of material.

(3) Soaking parts containing dried adhesive in a solvent if the composite partial vapor pressure of the solvent, excluding water and exempt compounds, is less than or equal to 9.5 mm mercury at 20° C and the parts and solvent are in a closed container that remains closed except when adding parts to or removing parts from the container.

(g) Not Applicable

## SECTION D. Source Level Requirements

(h) An owner or operator of a facility subject to this section shall store or dispose of all absorbent materials, including cloth or paper, which are moistened with adhesives, sealants, primers, surface preparation solvents or cleanup solvents subject to this section, in nonabsorbent containers at the facility that are kept closed except when placing materials in or removing materials from the container.

(i) An owner or operator of a facility subject to this section may not solicit, require or specify the use or application of an adhesive, sealant, adhesive primer, sealant primer, surface preparation solvent or cleanup solvent if the use or application would result in a violation of this section, unless the emissions are controlled through the use of add-on air pollution control equipment as specified in subsection (g). The prohibition of this subsection applies to all written or oral contracts created on or after January 1, 2012, under which an adhesive, sealant, adhesive primer, sealant primer, surface preparation solvent or cleanup solvent subject to this section is to be used or applied at a facility in this Commonwealth.

(j) An owner or operator of a facility subject to this section who uses or applies an adhesive, sealant, adhesive primer or sealant primer subject to this section may not add solvent to the adhesive, sealant, adhesive primer or sealant primer in an amount in excess of the manufacturer's recommendation for application, if this addition causes the adhesive, sealant, adhesive primer or sealant primer to exceed the applicable VOC content limit listed in Table V or VI, unless the emissions are controlled through the use of add-on air pollution control equipment as specified in subsection (g).

(k) - (n) Not Applicable

### VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

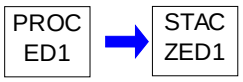
***** Permit Shield in Effect. *****

## SECTION D. Source Level Requirements

Source ID: ED1 Source Name: WASTE WATER TREATMENT FUGITIVE EMISSIONS

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 14




### I. RESTRICTIONS.

### Emission Restriction(s).

**# 001 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

The volatile organic compound (VOC) emissions from the wastewater treatment shall be maintained at the potential to emit used on the economic analysis as follows:

(1) VOC - 105.0 Tons Per Year

### II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

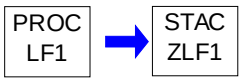
***** Permit Shield in Effect. *****

## SECTION D. Source Level Requirements

Source ID: LF1 Source Name: CLOSED LANDFILL

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 14




### I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### VII. ADDITIONAL REQUIREMENTS.

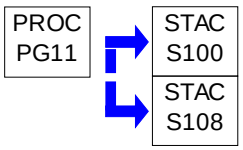
No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

## SECTION D. Source Level Requirements

Source ID: PG11 Source Name: PULP PREPARATION AREA

Source Capacity/Throughput:




### I. RESTRICTIONS.

### Emission Restriction(s).

**# 001 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

(1) The total particulate emissions including PM10 from the pulper #1 exhaust fan shall not exceed 0.71 tons/year based on 12 month rolling sum.

(2) The total particulate emissions including PM10 from the pulper #5 exhaust fan shall not exceed 1.01 tons/year based on 12 month rolling sum.

### II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

### III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

### IV. RECORDKEEPING REQUIREMENTS.

**# 002 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

The permittee shall keep records of the 12 month rolling sum of particulate emissions from the pulper #1 and pulper #5 exhaust fans.

### V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

### VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

### VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

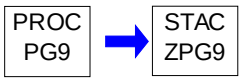
***** Permit Shield in Effect. *****

## SECTION D. Source Level Requirements

Source ID: PG9 Source Name: PAPERMAKING FUGITIVES

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 06
14




### I. RESTRICTIONS.

### Emission Restriction(s).

**# 001 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

The Volatile Organic Compound (VOC) emissions from papermaking operations Source ID PG9 shall not exceed the following:

(a) 285.5 tons per year calculated on a monthly basis (12-month rolling sum).

**# 002 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

(1) The volatile organic compound (VOC) emissions from the Paper Fiber Filtration Systems shall not exceed the following:

VOC - 4.0 Tons per year (12 Month Rolling Sum)

### II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### IV. RECORDKEEPING REQUIREMENTS.

**# 003 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

The company shall maintain records of all chemical additives applied or used in, or associated with the use of the papermaking processes. These records shall accurately identify the chemical additives and the amounts of each chemical used on a monthly basis and shall also include comprehensive compositional data for each chemical, which accurately identifies and quantifies the volatile organic compound and any hazardous air pollutant content of the respective chemicals.

**# 004 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

(1) In accordance with the record keeping requirements of 25 PA Code, Procter & Gamble will maintain records which will at a minimum show all chemical additives materials applied or used in, or associated with the use in the papermaking processes. These records shall accurately identify the chemical and the amounts of each chemical used on a monthly basis and shall also include comprehensive compositional data for each chemical, which accurately identifies and quantifies the volatile organic compound and hazardous air pollutant content of the respective chemicals.

(2) 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 operating permit. All measurements, records and other data required to be maintained by the company shall be retained for at least five (5) years and made available to the Department upon request.

## SECTION D. Source Level Requirements

**# 005 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

(1) In accordance with the record keeping requirements of 25 PA Code, Procter & Gamble will maintain records which will at a minimum show all chemical additives materials applied or used in, or associated with the use in the DAF processes. These records shall accurately identify the chemical and the amounts of each chemical used on a monthly basis and shall also include comprehensive compositional data for each chemical, which accurately identifies and quantifies the volatile organic compound and hazardous air pollutant content of the respective chemicals.

(2) 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. All measurements, records and other data required to be maintained by the company shall be retained for at least five (5) years and made available to the Department upon request.

**# 006 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

The company shall maintain records of the supporting calculations used to verify the volatile organic compounds emission limitations.

### V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### VI. WORK PRACTICE REQUIREMENTS.

**# 007 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

The following work practice standards shall be followed:

(a) All VOC-containing materials shall be stored in closed, nonabsorbent, non-leaking containers when not being mixed, transferred or otherwise used. The permittee may rely on material safety data sheets or equivalent product data sheets to determine whether a material is "VOC-containing";

(b) VOC-containing items that are not in use, such as cloth and paper, or other absorbent applicators, moistened with additives, coatings, solvents or cleaning solvents, shall be stored in closed, nonabsorbent, non-leaking containers; and

(c) All spills of VOC-containing material shall be cleaned up as soon as possible.

**# 008 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

Any storage tank operating under this Permit must comply with the terms and conditions of this permit. The storage tank and any associated air cleaning devices shall be:

(a) Operated in such a manner as not to cause air pollution.

(b) Operated and maintained in a manner consistent with good engineering practices.

**# 009 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

This Permit may be modified, suspended, or revoked if the Department determines that affected storage tank(s) cannot be regulated under this permit, or the permittee fails to comply with applicable terms and conditions of this Permit.

The approval herein granted to operate storage tanks shall be suspended, if, at any time, the permittee causes, permits or allows any modification (as defined in 25 Pa. Code §121.1) of the storage tank and any associated air pollution control device that is not in accordance with this permit. Upon suspension of this permit, the permittee may not continue to operate or use said storage tanks.

## SECTION D. Source Level Requirements

### VII. ADDITIONAL REQUIREMENTS.

**# 010 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

The company shall operate a vacuum drying roll immediately prior to predryers on each of the papermachine 2M (Source ID 502), 3M (Source ID 503), 5M (Source ID 505), and 6M (Source ID 506) only.

**# 011 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

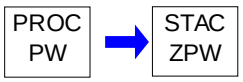
The permittee shall notify the Department and EPA, as appropriate, of changes in the products stored in a tank and describe how the change affects applicable requirements and how those applicable requirements are being met. In accordance with 25 Pa. Code §127.14(c), this notice shall be provided 7 days prior to a change that involves no equipment changes or 15 days prior to a change that involves equipment changes.

***** Permit Shield in Effect. *****

## SECTION D. Source Level Requirements

Source ID: PW Source Name: SIX (6) PARTS WASHERS

Source Capacity/Throughput:




### I. RESTRICTIONS.

### Emission Restriction(s).

**# 001 [25 Pa. Code §129.63]**

**Degreasing operations**

Cold cleaning machines. Except for those subject to the Federal National emissions standards for hazardous air pollutants (NESHAP) for halogenated solvent cleaners under 40 CFR Part 63 (relating to National emission standards for hazardous air pollutants for source categories), this subsection applies to cold cleaning machines that use 2 gallons or more of solvents containing greater than 5% VOC content by weight for the cleaning of metal parts.

(1) Immersion cold cleaning machines shall have a freeboard ratio of 0.50 or greater.

(2) After December 22, 2002, a person may not use, sell or offer for sale for use in a cold cleaning machine any solvent with a vapor pressure of 1.0 millimeter of mercury (mm Hg) or greater and containing greater than 5% VOC by weight, measured at 20°C (68°F) containing VOCs.

### II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

### III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

### IV. RECORDKEEPING REQUIREMENTS.

**# 002 [25 Pa. Code §129.63]**

**Degreasing operations**

(1) On and after December 22, 2002, a person who sells or offers for sale any solvent containing VOCs for use in a cold cleaning machine shall provide, to the purchaser, the following written information:

(i) The name and address of the solvent supplier.
(ii) The type of solvent including the product or vendor identification number.
(iii) The vapor pressure of the solvent measured in mm hg at 20°C (68°F).

(2) A person who operates a cold cleaning machine shall maintain for at least 2 years and shall provide to the Department, on request, the information specified above. An invoice, bill of sale, certificate that corresponds to a number of sales, Material Safety Data Sheet (MSDS), or other appropriate documentation acceptable to the Department may be used to comply with this section.

### V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

## SECTION D. Source Level Requirements

### VI. WORK PRACTICE REQUIREMENTS.

**# 003 [25 Pa. Code §129.63]**

**Degreasing operations**

(1) Immersion cold cleaning machines and remote reservoir cold cleaning machines shall:

Have a permanent, conspicuous label summarizing the operating requirements in the paragraph below. In addition, the label shall include the following discretionary good operating practices:

(A) Cleaned parts should be drained at least 15 seconds or until dripping ceases, whichever is longer. Parts having cavities or blind holes shall be tipped or rotated while the part is draining. During the draining, tipping or rotating, the parts should be positioned so that solvent drains directly back to the cold cleaning machine.
(B) When a pump-agitated solvent bath is used, the agitator should be operated to produce a rolling motion of the solvent with no observable splashing of the solvent against the tank walls or the parts being cleaned.
(C) Work area fans should be located and positioned so that they do not blow across the opening of the degreaser unit.

(2) Be equipped with a cover that shall be closed at all times except during cleaning of parts or the addition or removal of solvent. For remote reservoir cold cleaning machines which drain directly into the solvent storage reservoir, a perforated drain with a diameter of not more than 6 inches shall constitute an acceptable cover.

(3) Cold cleaning machines shall be operated in accordance with the following procedures:

(i) Waste solvent shall be collected and stored in closed containers. The closed containers may contain a device that allows pressure relief, but does not allow liquid solvent to drain from the container.
(ii) Flushing of parts using a flexible hose or other flushing device shall be performed only within the cold cleaning machine. The solvent spray shall be a solid fluid stream, not an atomized or shower spray.
(iii) Sponges, fabric, wood, leather, paper products and other absorbent materials may not be cleaned in the cold cleaning machine.
(iv) Air agitated solvent baths may not be used.
(v) Spills during solvent transfer and use of the cold cleaning machine shall be cleaned up immediately.

### VII. ADDITIONAL REQUIREMENTS.

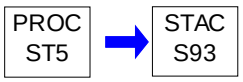
No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

## SECTION D. Source Level Requirements

Source ID: ST5 Source Name: FRP PAINTBOOTH

Source Capacity/Throughput:




### I. RESTRICTIONS.

### Emission Restriction(s).

**# 001 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

The permittee shall not cause or permit the emission into the outdoor atmosphere of VOC's from the FRP Paint Booth unless the following limitations are met:

(1) The weight of VOC's per gallon of coating (minus water) is equal to or less than 3.0 lb/gallon.

### II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

### III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

### IV. RECORDKEEPING REQUIREMENTS.

**# 002 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

The permittee shall maitain the following records:

(1) The company shall keep records to verify daily coating usage, the coating density before and after addition of diluents, the gallons of diluents used and the density of the diluents, the gallons of water contained in the coating and the weight of the organic volatiles in the coating.

**# 003 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

The FRP Paint Booth shall comply with 25 Pa. Code Section 129.52 and records shall be kept of all coatings applied and the VOC content of each.

### V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

### VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

## SECTION D. Source Level Requirements

### VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

## SECTION E. Source Group Restrictions.

Group Name: 01

Group Description: Boilers

Sources included in this group

| ID | Name |
|---|---|
| 031 | NO. 1 GAS BOILER |
| 032A | NO. 2 GAS BOILER |
| 033A | NO. 3 BOILER (PAPER FINES) |
| 034A | NO. 4 GAS BOILER |

### I. RESTRICTIONS.

### Emission Restriction(s).

**# 001 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

After installation of Low NOX burners on Source ID 031, 032A, and 034A, to generate emission reduction credits for netting purpose, the following emission limitation shall be applied.

(A)

| Source | Allowable NOX Tons/year (12 Month rolling sum) |
|---|---|
| Source ID 031, 032A, & 034A | 311 |

(B)

| Source | Allowable CO Pounds/Hour | Averaging Time | Tons/year12 Month rolling sum |
|---|---|---|---|
| Source ID 031, 032A, & 034A | 158.8 | 1 hour | 266 |

**# 002 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

Source ID 033A shall not emit the following:

(a) Carbon monoxide (CO) at a rate in excess of 82.4 pounds per hour and 361 tons per year on a 12 months rolling sum.
(b) Particulate emissions in excess of 54.0 tons per year on a 12-month rolling sum

**# 003 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

Source ID 031, 032A, & 034A emission units shall not emit pollutants in excesses of the following limitations on a 12-month rolling sum.

Compliance with this limit shall include start-up and shut-down emissions

Source pollutant (Tons /12-month rolling sum)

| | PM10 | PM2.5 |
|---|---|---|
| Boilers No. | | |
| 1, 2, and 4 | 10.24 | 10.24 |

The natural gas consumption for boilers 1, 2, and 4 combined shall not exceed 2,220 million cubic feet on a 12-month rolling sum. The permittee will use the appropriate AP-42 emissions factor (7.6 pounds per million cubic feet) and monitored usage of natural gas to calculate monthly PM10 and PM2.5 from Group 4 emission units.

## SECTION E. Source Group Restrictions.

Additionally, compliance with the NOx emissions for the boilers will be met by the fuel restrictions noted above.

**# 004 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

Procter and Gamble shall comply with an emission cap for the boilers (Source IDs 031, 032A, and 34A). This cap for the boilers is a compliance cap, imposed for netting and PSD/NSR applicability purposes. The cap shall not provide any relief from PSD/NSR applicability determinations for any future physical change or change in the method of operation of the three boilers at the facility. The boilers (Source IDs 031,032A, and 034A) covered under the cap shall be considered as one emissions unit, as defined in 25 Pa. Code Section 121.1 (relating to definitions), for PSD/NSR applicability purposes. Any future NSR applicability determinations must consider the baseline actual emissions of the boilers as one emissions unit and not the cap. In the event that major PSD/NSR is triggered for any of the boilers covered by the cap, BACT/LAER may apply to the boilers. If the company finds it necessary to relax the emission cap at some future date, the requirements of 25 Pa. Code Section 127.203(e)(2) and 40 CFR 52.21(r)(4) must be considered for applicability.

Alternatively, Procter and Gamble may submit for the Department approval an allowable emission limit for each of the boilers (Source IDs 031, 032A, and 34A), with a total that equals the existing emission cap, for the NSR applicability determinations.

### Fuel Restriction(s).

**# 005 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

Source ID 031, 032A, & 034A emission units shall only operate on natural gas.

### II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

### III. MONITORING REQUIREMENTS.

**# 006 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

(1) The facility shall be equipped with continuous air contaminants emission monitoring system for nitrogen oxide, carbon monoxide and stack gas flow rate for Source ID's 031, 032A, & 034A. All monitoring system shall meet applicable Department requirements

(2) The nitrogen oxide, carbon monoxide and stack gas flow rate shall be monitored and recorded continuously to monitor compliance with the emission limits. Record keeping and reporting procedures must be in accordance with the requirements of the continuous source monitoring manual.

(3) The continuous emission monitoring systems for nitrogen oxide, carbon monoxide and stack gas flow rate must be approved by the Department and installed, operated and maintained in accordance with the quality assurance, recordkeeping and reporting requirements of Chapter 139 of the Pennsylvania Department of Environmental Protection's Rules and Regulations and the Department's Continuous Source Monitoring Manual. All CEM reports shall be submitted to the Department within thirty (30) days after each quarter but no later than the time frame established in the Department's latest Continuous Source Monitoring Manual. The Department reserves the right to require the report submission in floppy disks with a format acceptable to the Department.

**# 007 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

The permittee shall monitor natural gas consumption for Group 01 sources using fuel totalizers, or an equivalent fuel consumption measuring device.

## SECTION E. Source Group Restrictions.

### IV. RECORDKEEPING REQUIREMENTS.

**# 008 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

The company shall maintain the following records:

(a) Data which clearly demonstrates that the heat input for each boiler and combustion source for paper machines never exceeds the rated capacity of MMBtu per hour.

**# 009 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

(a) The permittee shall record fuel consumption on a monthly basis and as a 12-month rolling total.

(b) Records shall be kept in a form suitable and ready for expeditious review.

(c) Records shall be maintained for 5 years.

### V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

### VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

### VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

## SECTION E. Source Group Restrictions.

Group Name: 02

Group Description: Boilers & Machines Presumptive RACT

Sources included in this group

| ID | Name |
|---|---|
| 031 | NO. 1 GAS BOILER |
| 032A | NO. 2 GAS BOILER |
| 033A | NO. 3 BOILER (PAPER FINES) |
| 034A | NO. 4 GAS BOILER |
| 501 | PAPERMACHINE 1M |
| 502 | PAPERMACHINE 2M |
| 503 | PAPERMACHINE 3M |
| 504 | PAPERMACHINE 4M |
| 505 | PAPERMACHINE 5M |
| 506 | PAPERMACHINE 6M |

### I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

### II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

### III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

### IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

### V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

### VI. WORK PRACTICE REQUIREMENTS.

**# 001 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

For the sources listed in this group, RACT shall be the performance of an annual adjustment or tuneup on the combustion process in accordance with 25 Pa. Code Section 129.93(b)(2); and operation and maintenance in accordance with good engineering practices.

### VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

## SECTION E. Source Group Restrictions.

Group Name: 03

Group Description: RACT

Sources included in this group

| ID | Name |
|---|---|
| 101 | BLDG 62 DIESEL PUMP 1 |
| 102 | BLDG 87 DIESEL PUMP 2 |
| 103 | DIESEL RIVER PUMP |
| 104 | WASTEWATER TREATMENT PUMP |
| 105 | STOCK PREP DIESEL GENERATOR |
| 106 | 25 GAS SPACE HEATERS |
| 108 | 7M/8M BUILDING HEATERS (26 UNITS) |
| 109 | BUILDING 57 BACKUP GENERATOR |
| 110 | BUILDING 87 DIESEL PUMP 3 |

### I. RESTRICTIONS.

### Emission Restriction(s).

**# 001 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

For the sources listed in Group 03, RACT shall be the installation, maintenance and operation of the source according to manufacturers specifications in accordance with 25 Pa. Code Section 129.93(c), and they shall also be operated and maintained in accordance with good engineering practices.

### II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

### III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

### IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

### V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

### VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

### VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

## SECTION E. Source Group Restrictions.

Group Name: 04

Group Description: Additional RACT

Sources included in this group

| ID | Name |
|---|---|
| 035 | WESTINGHOUSE 251B12 |
| 038 | COMBINED HEAT AND POWER TURBINE WITH HRSG |

### I. RESTRICTIONS.

### Emission Restriction(s).

**# 001 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

§ 129.97 Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule.

(a) The owner and operator of a source listed in one or more of subsections (b)—(h) located at a major NOx emitting facility or major VOC emitting facility subject to § 129.96 (relating to applicability) shall comply with the applicable presumptive RACT requirement or RACT emission limitation, or both, beginning with the specified compliance date as follows:

(1) January 1, 2017, for a source subject to § 129.96(a).

(2) Not applicable.

(b) - (c) Not applicable.

(d) Except as specified under subsection (c), the owner and operator of a combustion unit or other combustion source located at a major VOC emitting facility subject to § 129.96 shall install, maintain and operate the source in accordance with the manufacturer's specifications and with good operating practices for the control of the VOC emissions from the combustion unit or other combustion source.

(e) - (f) Not applicable.

(g) Except as specified under subsection (c), the owner and operator of a NOx air contamination source specified in this subsection, which is located at a major NOx emitting facility or a VOC air contamination source specified in this subsection, which is located at a major VOC emitting facility subject to § 129.96 may not cause, allow or permit NOx or VOCs to be emitted from the air contamination source in excess of the applicable presumptive RACT emission limitation:

(2) A combustion turbine:

For Source ID 038;

(2) combustion turbine:

(i) For a combined cycle combustion turbine with a rated output equal to or greater than 1,000 bhp when firing:

(A) Natural gas or a noncommercial gaseous fuel, 42 ppmvd NOx @ 15% oxygen.
(C) Natural gas or a noncommercial gaseous fuel, 5 ppmvd VOC @ 15% oxygen.

For Source ID 035;

(2) combustion turbine:

(iv) For a simple cycle combustion turbine with a rated output equal to or greater than 6,000 bhp when firing:

(A) Natural gas or a noncommercial gaseous fuel, 42 ppmvd NOx @ 15% oxygen.
(C) Natural gas or a noncommercial gaseous fuel, 9 ppmvd VOC @ 15% oxygen.

(h) Not applicable.

## SECTION E. Source Group Restrictions.

(i) The requirements and emission limitations of this section supersede the requirements and emission limitations of a RACT permit issued to the owner or operator of an air contamination source subject to one or more of subsections (b)—(h) prior to April 23, 2016, under § § 129.91—129.95 (relating to stationary sources of NOx and VOCs) to control, reduce or minimize NOx emissions or VOC emissions, or both, from the air contamination source unless the permit contains more stringent requirements or emission limitations, or both.

[This condition takes effect once the RACT II regulations are incorporated in the State Implemetation Plan (SIP).]

### II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

### III. MONITORING REQUIREMENTS.

**# 002 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

§ 129.100

(a) Except as provided in subsection (c), the owner and operator of an air contamination source subject to a NOx requirement or RACT emission limitation or VOC requirement or RACT emission limitation, or both, listed in § 129.97 (relating to presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule) shall demonstrate compliance with the applicable RACT requirement or RACT emission limitation by performing the following monitoring or testing procedures:

(1) For an air contamination source with a CEMS, monitoring and testing in accordance with the requirements of Chapter 139, Subchapter C (relating to requirements for source monitoring for stationary sources) using a 30-day rolling average, except municipal waste combustors.

(i) A 30-day rolling average emission rate for an air contamination source that is a combustion unit shall be expressed in pounds per million Btu and calculated in accordance with the following procedure:

(A) Sum the total pounds of pollutant emitted from the combustion unit for the current operating day and the previous 29 operating days.
(B) Sum the total heat input to the combustion unit in million Btu for the current operating day and the previous 29 operating days.
(C) Divide the total number of pounds of pollutant emitted by the combustion unit for the 30 operating days by the total heat input to the combustion unit for the 30 operating days.

(ii) A 30-day rolling average emission rate for each applicable RACT emission limitation shall be calculated for an affected air contamination source for each consecutive operating day.
(iii) Each 30-day rolling average emission rate for an affected air contamination source must include the emissions that occur during the entire operating day, including emissions from start-ups, shutdowns and malfunctions.

(2) – (3) Not applicable.

(4) For an air contamination source without a CEMS, monitoring and testing in accordance with a Department-approved emissions source test that meets the requirements of Chapter 139, Subchapter A (relating to sampling and testing methods and procedures). The source test shall be conducted one time in each 5-year calendar period.

(b) Except as provided in § 129.97(k) and § 129.99(i) (relating to alternative RACT proposal and petition for alternative compliance schedule), the owner and operator of an air contamination source subject to subsection (a) shall demonstrate compliance with the applicable RACT requirement or RACT emission limitation in accordance with the procedures in subsection (a) not later than:

(1) January 1, 2017, for a source subject to § 129.96(a) (relating to applicability).

(c) Not applicable.

## SECTION E. Source Group Restrictions.

(d) The owner and operator of an air contamination source subject to this section and § § 129.96—129.99 shall keep records to demonstrate compliance with § § 129.96—129.99 in the following manner:

(1) The records must include sufficient data and calculations to demonstrate that the requirements of § § 129.96—129.99 are met.

(2) Data or information required to determine compliance shall be recorded and maintained in a time frame consistent with the averaging period of the requirement.

(e) Not applicable.

(f) Beginning with the compliance date specified in § 129.97(a), the owner or operator of an air contamination source claiming that the air contamination source is exempt from the applicable VOC emission rate threshold specified in § 129.99(c) and the requirements of § 129.97 based on the air contamination source's potential to emit shall maintain records that demonstrate to the Department or appropriate approved local air pollution control agency that the air contamination source is not subject to the specified emission rate threshold.

(g) – (h) Not applicable.

### IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

### V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

### VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

### VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

## SECTION E. Source Group Restrictions.

Group Name: 05

Group Description: CAM

Sources included in this group

| ID | Name |
|---|---|
| C03 | MULTI-CYCLONE FOR BOILER 3 (033A) |
| C04 | SCRUBBER FOR BOILER 3 (033A) |
| C507B | FORMING SECTION-MECH.COLLECTOR-7M |
| C507C | 7M-DRY END VENTURI SCRUBBER |
| C507D | 7M-REPULPER MECHANICAL COLLECTOR-MIST ELIMINATOR |
| C508B | FORMING SECTION-MECH. COLLECTOR-8M |
| C508C | 8M-FORMING SECT VENTURI SCRUBBER |
| C508D | 8M-REPULPER MECHANICAL COLLECTOR-MIST ELIMINATOR |
| CP02 | THERMAL OXIDIZER |
| DP018 | CVC 5 BAGHOUSE |
| DP030 | CVC-7 BAGHOUSE |
| DP031 | WEST DUST RECEIVER BAGHOUSE |
| DP032 | CSX-C 32-34 DRUM FILTER |
| DP033 | CSX-D 35-37 DRUM FILTER |
| DP034 | FSC-29 DRUM FILTER |
| DP035 | FSC-32 DRUM FILTER |
| DP036 | EAST DUST RECEIVER BAGHOUSE |
| DP037 | ETA 38-40 BAGHOUSE |
| DP038 | ETA 33 BAGHOUSE |
| DP039 | ETA 34-37 BAGHOUSE |
| DP040 | ETA 41,42, 44 BAGHOUSE |
| DP042 | FSC 47 DRUM FILTER |
| DP043 | FSC 46 DRUM FILTER |
| DP044 | FSC 45 DRUM FILTER |
| DP045 | CSX-B 29-31 DRUM FILTER |
| DP046 | FSC 30 DRUM FILTER |
| DP047 | FSC31 DRUM FILTER |
| DP07 | CVC 14 BAGHOUSE |
| G01 | 5M/6M SCRUBBER |
| G02 | 2M SCRUBBER |
| G03 | 4M SCRUBBER |
| G04 | 1M SCRUBBER |
| G05 | 5M UNDER-REPULPER SCRUBBER |

### I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

### II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

## SECTION E. Source Group Restrictions.

### III. MONITORING REQUIREMENTS.

**# 001 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR 64.6 and 64.3, Compliance Assurance Monitoring.]

The permittee shall use the approved process parameter(s) or indicator(s) to obtain and monitor the emission control equipment performance:

(1) differential pressure - inches water gauge where required,

(2) Continuouse temperature monitoring, and,

(3) Flow rate - GPM.

**# 002 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR 64.6 and 64.3, Compliance Assurance Monitoring.]

The permittee shall use the approved mean(s) or devices(s) to measure the applicable indicator(s):

(1) pressure gauge,

(2) temperature sensor, and,

(3) flow meter.

**# 003 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

(1) The permittee shall adhere to the approved ranges for the selected indicators so the operation within the ranges shall provide reasonable assurance of compliance. A departure from the specified indicator ranges over a specified averaging period shall be defined as an excursion.

(2) Differential pressure (Control associated with Source DP18)- above 1 inch water for drum filters measured daily.
Differential pressure (Control associated with Source DP18)- above 0.2 inches water for baghouses measured dailly.
Note: Baghouses and drum filters shall be maintained in accordance with the manufacturer's specifications during the baghouse break-in period.

Differential pressure (Control associated with Source 033A)- Below 7 PSI

(3) Oxidizer temperature - above 1500 degrees Fahrenheit measured continuously.

(4) Minimum water flow rates, measured daily, as follows:

G04 (Source 501)- 280GPM
G02 (Source 502)- 190GPM
G03 (Source 504)- 280GPM
G05 (Source 505)- Repulper 250GPM
G01 (Source 505)- 170GPM
G01 (Source 506)- 160GPM
C507C (Source 507)- 300GPM
C508C (Source 508)- 300GPM

### IV. RECORDKEEPING REQUIREMENTS.

**# 004 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR 64.9, Compliance Assurance Monitoring.]

The permittee shall record all excursions and corrective actions taken in response to an excursion and the time elapsed

## SECTION E. Source Group Restrictions.

until the corrective actions have been taken.

**# 005 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR 64.9, Compliance Assurance Monitoring.]

The permittee shall record all inspections, repair and maintenance performed on the monitoring equipment.

**# 006 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR 64.9, Compliance Assurance Monitoring.]

The permittee shall maintain records of all monitoring downtime incidents (other than downtime associated with zero span or other daily calibration checks, if applicable). The permittee shall also record the dates, times and durations, possible causes and corrective actions taken for the incidents.

**# 007 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR 70.6(a)(3)(ii)(B), Compliance Assurance Monitoring.]

The permittee shall keep all records for a period of five (5) years and make the records available to the Department upon request.

### V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

### VI. WORK PRACTICE REQUIREMENTS.

**# 008 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

If requested by the Department, the permittee shall implement a QIP (Quality Improvement Plan) for the fabric collectors, baghouses, oxidizer, and scrubbers in accordance with the Compliance Assurance Monitoring (CAM) requirements of 40 CFR 64.4, 64.8 and 64.9.

**# 009 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Section 64.4, 64.8, 64.9, Compliance Assurance Monitoring.]

The permittee shall submit implement a quality improvement plan (QIP) as expeditiously as possible if any of the following occurs:

(a) For properly and accurately collected data, accumulated excursions exceed five percent (5%) of the data for particulates.

(b) Six excursions occur in a six-month period.

(c) The Department determines after review of all reported information that the permittee has not responded acceptably to an
excursion.

In general, the QIP (Quality Improvement Plan) should be developed within 60 days and the permittee shall provide a copy of the QIP to the Department. Furthermore, the permittee shall notify the Department if the period for completing the improvements contained in the QIP exceeds 180 days from the date on which the need to implement the QIP was determined.

## SECTION E. Source Group Restrictions.

The permittee shall submit an implementation plan and schedule if the approved monitoring requires the installation, testing or other necessary activities. The schedule for completing installation and beginning operation of the monitoring may not exceed 180 days after the issuance date of the permit.

The permittee shall record actions taken to implement a QIP during a reporting period and all related actions including, but not limited to inspections, repairs and maintenance performed on the monitoring equipment.
Following implementation of a QIP, the Department will require reasonable revisions to the QIP if the plan has failed to either:

(a) Address the cause of the control device performance problem.

(b) Provide adequate procedures for correcting control device performance problems as expeditiously as possible in accordance with good air pollution control practices for minimizing emissions.

Implementation of a QIP, shall not excuse the owner or operator of a source from compliance with any existing emission limitation or standard or any existing monitoring, testing, reporting or recordkeeping requirements that may apply under any federal, state, or local laws or any other applicable requirements under the Clean Air Act.

In accordance with Section 64.8, the QIP shall include procedures for evaluating the control performance problems. Based on the results of the evaluation procedures, the permittee shall modify the QIP, and provide a copy to the Department, to include procedures forconducting more frequent or improved monitoring in conjunction with one or more of the following:

(a) Improved preventive maintenance practices

(b) Process operation changes

(c) Appropriate improvements to control methods

(d) Other steps appropriate to correct performance.

[Additional authority for this permit condition is also derived from 40 CFR Section 64.3.]

The permittee shall utilize approved QA/QC practices that are adequate to ensure continuing validity of data and proper performance of the devices.

(a) The permittee shall, for an approved device(s) install detectors or sensors at a location approved by the Department for obtaining data are representative of the monitored indicator.

(b) The permittee shall develop verification procedures to confirm the operational status of new or modified monitoring equipment prior to commencement of the monitoring process.

**# 010 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

The permittee shall maintain all monitoring equipment and stock parts necessary for routine repairs onsite.

**# 011 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

The permittee shall ensure that at least 90% of the annual monitoring data has been properly and accurately collected.

## VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

## *** Permit Shield in Effect. ***

## SECTION E. Source Group Restrictions.

Group Name: 06

Group Description: 7M & 8M

Sources included in this group

| ID | Name |
|---|---|
| 108 | 7M/8M BUILDING HEATERS (26 UNITS) |
| 507 | PAPERMACHINE 7M |
| 508 | PAPERMACHINE 8M |
| C507B | FORMING SECTION-MECH.COLLECTOR-7M |
| C507C | 7M-DRY END VENTURI SCRUBBER |
| C507D | 7M-REPULPER MECHANICAL COLLECTOR-MIST ELIMINATOR |
| C508B | FORMING SECTION-MECH. COLLECTOR-8M |
| C508C | 8M-FORMING SECT VENTURI SCRUBBER |
| C508D | 8M-REPULPER MECHANICAL COLLECTOR-MIST ELIMINATOR |
| CV1 | CONV. FUGITIVE EMISSIONS |
| PG9 | PAPERMAKING FUGITIVES |

### I. RESTRICTIONS.

### Emission Restriction(s).

**# 001 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

The facility shall not emit pollutants from the following sources in excesses of the following limitation on a 12-month rolling sum.

| Sources | Potential to Emit TPY VOC | PM | NOX | CO |
|---|---|---|---|---|
| Combustion sources #7M and #8M paper machine | 88.2 | * | 187.9 | 247.0 |
| Non combustion emissions from 7M and 8M paper machines | --- | 32.9* | --- | --- |
| Repulper & Glue containment for paper machines #7M & #8M | --- | 2.0 | --- | --- |
| Dry end, paper machines #7M & #8M | --- | 3.0 | --- | --- |
| Total fugitives for #7M & #8M paper machines processes | --- | 8.0 | --- | --- |
| Unit Heaters (HVAC) | 16.0 | 2.0 | 19.0 | 59.0 |
| Wet end paperforming, paper machines #7M & #8M | --- | 7.0 | --- | --- |
| Paper making additives | 217.0 | 0.0 | 0.0 | 0.0 |
| Converting operations** | 59.0 | 0.0 | 0.0 | 0.0 |
| Total------ | 380.2 | 54.9 | 206.9 | 306.0 |

*-Includes particulate emissions from combustion sources for #7M & #8M paper machines

**-Source CV1 consists of 21 converting lines; of the 21 lines only 6 (six) converting lines are restricted to the limits of this group, the lines Included in this limitation are converting machines MK65, MK66, MK80, MK81, MK82, and MK83.

**# 002 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

The average operating hours for 7M and 8M paper machines shall not exceed 8,520 hours per machine per year calculated based on 12 month rolling sum.

**# 003 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

The maximum heat input rate to the paper machine shall not exceed the following at any time:

(a) 170.0 mmBtu/hr for 7M paper machine

(b) 145.0 mmBtu/hr for 8M paper machine

## SECTION E. Source Group Restrictions.

**# 004 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

The paper converting lines installed with this project shall comply with 25 Pa. Code, section, 129.67, and records shall kept of all inks applied and the VOC content of each. These records shall be maintained for a period of five years and must be made available to the Department upon request.

**# 005 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

Pursuant to the Best Available Technology provision of 25 PA Code, Chapter 127.12, the facility is subject to the following air contaminant emission limitations:

| Source | Pollutant | Allowable | Averaging Time |
|---|---|---|---|
| Duct burners for #7M & #8M paper machines | NOX | 0.14 lb/mm Btu heat input | 3 hr average |
| Yankee Hood Burners for #7M & #8M Paper Machines | NOX | 0.14 lb/mmBtu heat input | 3 hr average |
| Former Vent for #7M & #8M paper machines, | Total Particulate including PM10 | 0.02 grains/dscf | |
| Dry End Venturi Scrubber for #7M & #8M Paper Machine, | Total Particulate including PM10 | 0.02 grains/dscf | |

**# 006 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

The stack height for both paper machine stacks shall not be less than 80 feet.

**# 007 [25 Pa. Code §127.83]**

**Adoption of program.**

Pursuant to the Best Available Control Technology provision of 25 PA Code, Chapter 127.83, the facility is subject to the following Carbon Monoxide emission limitations:

| Source | Allowable Pounds per Million Btu heat input | Averaging Time |
|---|---|---|
| Duct burners and Yankee Hood Burners for Paper Machine #7M and #8M | 0.173 | 3 hr average |

## II. TESTING REQUIREMENTS.

**# 008 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

(1) The company shall perform a stack test ( every five years ) within five years of the previous stack test to show compliance with the emission limitations for NOX and CO emissions from the combined duct burners and Yankee hood burners for each papermachine individually (7M Stack for burners – Stack ID-S507A; 8M Stack for burners – Stack ID S508A) in accordance with the provision of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection. The stack tests shall be performed while the aforementioned source(s) is operating at the normal rated capacity.

(2) 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.

(3) At least sixty (60) days prior to the test required by condition above, a pre-test protocol shall be submitted to the Department for review.

## SECTION E. Source Group Restrictions.

(4) Within sixty (60) days of the completion of the test required by condition above, two copies of the complete test report, including all operating conditions, shall be submitted to the Regional Air Quality Program Manager.

(5) If at any time the Department has cause to believe that air contaminant emissions from the aforementioned source(s) may be in excess of the limitations specified in, or established pursuant to, any applicable rule or regulation contained in Article III of the Rules and Regulations of the Department of Environmental Protection, the company shall be required to conduct whatever tests are deemed necessary by the Department to determine the actual emission rate(s). Such testing shall be conducted in accordance with the revisions of Chapter 139 of the Rules and Regulations Environmental Protection, where applicable, and in accordance with any restrictions or limitations established by the Department at such time as it notifies the company that testing is required.

### III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

### IV. RECORDKEEPING REQUIREMENTS.

**# 009 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

The company shall maintain the following records

(a) Data which clearly demonstrates that the average operating hours between 7M and 8M papermachine does not exceed 8,520 hours per machine per year.

(b) Sufficient data to clearly demonstrate that the requirements of these group conditions are met.

(c) All records shall be maintained for at least five years and shall be made available to the department upon request.

**# 010 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

The company shall monitor and record the water flow rate to the scrubber (gal/min). At a minimum these recordings shall be taken once per day, while the source and scrubber are in operation. The recordings shall be maintained in a logbook or electronically and made available to the Department upon request.

The water flow rate is designated in the CAM requirements Group 05, Condition #003 to assure compliance with the PM emission limit.

### V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

### VI. WORK PRACTICE REQUIREMENTS.

**# 011 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

The company shall ensure that the control devices shall be equipped with the applicable monitoring equipment and the monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with good operating practices at all times the control device is in use.

### VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

## SECTION E. Source Group Restrictions.

Group Name: 07

Group Description: Paper Machine Dust Control

Sources included in this group

| ID | Name |
|---|---|
| 501 | PAPERMACHINE 1M |
| 502 | PAPERMACHINE 2M |
| 503 | PAPERMACHINE 3M |
| 504 | PAPERMACHINE 4M |
| 505 | PAPERMACHINE 5M |
| 506 | PAPERMACHINE 6M |

### I. RESTRICTIONS.

### Emission Restriction(s).

**# 001 [25 Pa. Code §127.12]**

**Content of applications.**

The permittee shall not permit the emission into the outdoor atmosphere of particulate matter from a process listed in this group in a manner that the concentration of particulate matter in the effluent gas exceeds the following:

(1) 0.01 grain per dry standard cubic foot

### II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

### III. MONITORING REQUIREMENTS.

**# 002 [25 Pa. Code §127.511]**

**Monitoring and related recordkeeping and reporting requirements.**

The company shall monitor and record the water flow rate to the scrubber (gal/min). At a minimum these recordings shall be taken once per day, while the source and scrubber are in operation. The recordings shall be maintained in a logbook or electronically and made available to the Department upon request.

### IV. RECORDKEEPING REQUIREMENTS.

**# 003 [25 Pa. Code §127.511]**

**Monitoring and related recordkeeping and reporting requirements.**

The permittee shall maintain records of the maintenance procedures conducted on all scrubbers.

### V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

### VI. WORK PRACTICE REQUIREMENTS.

**# 004 [25 Pa. Code §127.511]**

**Monitoring and related recordkeeping and reporting requirements.**

The permittee shall maintain and operate the specified control devices (venturi scrubbers) during operations of the papermachine dust control system.

### VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

## SECTION E. Source Group Restrictions.

Group Name: 08

Group Description: Glue Containment Boxes

Sources included in this group

| ID | Name |
|---|---|
| 503 | PAPERMACHINE 3M |
| 505 | PAPERMACHINE 5M |
| 506 | PAPERMACHINE 6M |

### I. RESTRICTIONS.

### Emission Restriction(s).

**# 001 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

(a) The Company shall enclose all process equipment (gluing area) to the extent that the capture efficiency of particulate matter is approximately one hundred (100%) at all times that the equipment is operated.

(b) The visible emission opacity shall not be equal to or greater than 20 % at any time

(c) The particulate emissions shall be less than 0.02 grains per dry standard cubic foot.

(d) The company shall perform a stack test to show compliance with the particulate emission limit specified above if requested by the Department.

(e) The company will install and operate the glue containment boxes and maintain the equipment in accordance with the good engineering practices to assure proper operation of the system.

### II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

### III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

### IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

### V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

### VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

### VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

## SECTION E. Source Group Restrictions.

Group Name: 09

Group Description: 40 CFR Part 63 Subpart ZZZZ

Sources included in this group

| ID | Name |
|---|---|
| 103 | DIESEL RIVER PUMP |
| 104 | WASTEWATER TREATMENT PUMP |
| 105 | STOCK PREP DIESEL GENERATOR |
| 110 | BUILDING 87 DIESEL PUMP 3 |

### I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

### II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

### III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

### IV. RECORDKEEPING REQUIREMENTS.

**# 001 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6655]**

**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines**

**What records must I keep?**

(a) - (c) Not applicable.

(d) You must keep the records required in Table 6 of this subpart to show continuous compliance with each emission or operating limitation that applies to you.

(e) You must keep records of the maintenance conducted on the stationary RICE in order to demonstrate that you operated and maintained the stationary RICE and after-treatment control device (if any) according to your own maintenance plan.

(f) For Source ID 103,105, &110, you must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The owner or operator must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation.

**# 002 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6660]**

**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines**

**In what form and how long must I keep my records?**

(a) Your records must be in a form suitable and readily available for expeditious review according to §63.10(b)(1).

(b) As specified in §63.10(b)(1), you must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.

(c) You must keep each record readily accessible in hard copy or electronic form for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to §63.10(b)(1).

### V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

## SECTION E. Source Group Restrictions.

### VI. WORK PRACTICE REQUIREMENTS.

**# 003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6603]**

**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines**

**What emission limitations, operating limitations, and other requirements must I meet if I own or operate an existing stationary RICE located at an area source of HAP emissions?**

(a) The permittee must comply with the following requirements in Table 2b to this subpart:

[Excerpt Table 2d]

For Source ID 104:

1. Non-Emergency, non-black start CI stationary RICE =300 HP:
You must meet the following requirement, except during periods of startup:

a. Change oil and filter every 1,000 hours of operation or annually, whichever comes first;*

b. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary;

c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

During periods of startup you must:
Minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply.

For Source ID 103, 105, & 110:

4. Emergency stationary CI RICE and black start stationary CI RICE.**
You must meet the following requirement, except during periods of startup:

a. Change oil and filter every 500 hours of operation or annually, whichever comes first;*

b. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary;

c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

* - Sources have the option to utilize an oil analysis program as described in §63.6625(i) or (j) in order to extend the specified oil change requirement in Table 2d of this subpart.

** - If an emergency engine is operating during an emergency and it is not possible to shut down the engine in order to perform the management practice requirements on the schedule required in Table 2d of this subpart, or if performing the management practice on the required schedule would otherwise pose an unacceptable risk under federal, state, or local law, the management practice can be delayed until the emergency is over or the unacceptable risk under federal, state, or local law has abated. The management practice should be performed as soon as practicable after the emergency has ended or the unacceptable risk under federal, state, or local law has abated. Sources must report any failure to perform the management practice on the schedule required and the federal, state or local law under which the risk was deemed unacceptable.

(b) – (f) Not applicable.

**# 004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6605]**

**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines**

**What are my general requirements for complying with this subpart?**

(a) You must be in compliance with the operating limitations and other requirements in this subpart that apply to you at all times.

(b) At all times you must operate and maintain any affected source, including associated air pollution control equipment and

## SECTION E. Source Group Restrictions.

monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require you to make any further efforts to reduce emissions if levels required by this standard have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

**# 005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6625]**

**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines**

**What are my monitoring, installation, operation, and maintenance requirements?**

(a) - (d) Not applicable.

(e) The permittee must operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions:

(f) The permittee must install a non-resettable hour meter if one is not already installed.

(g) - (h) Not applicable.

(i) You have the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Table 2d to this subpart. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2d to this subpart. The analysis program must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 business days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine.

(j) Not applicable.

**# 006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6640]**

**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines**

**How do I demonstrate continuous compliance with the emission limitations, operating limitations, and other requirements?**

(a) You must demonstrate continuous compliance with each requirement in Table 2d to this subpart that applies to you according to methods specified in Table 6 to this subpart.

[Excerpt from Table 6]

9. Existing emergency and black start stationary RICE located at an area source of HAP, & existing non-emergency stationary CI RICE less than or equal to 300 HP located at an area source of HAP must comply with the requirement to:

a. Work or management practices
You must demonstrate compliance by:

i. Operating and maintaining the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions; or

ii. Develop and follow your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

## SECTION E. Source Group Restrictions.

(b) - (d) Not applicable.

(e) You must also report each instance in which you did not meet the requirements in Table 8 to this subpart that apply to you.

(f) If you own or operate an emergency stationary RICE, you must operate the emergency stationary RICE according to the requirements in paragraphs (f)(1) through (4) of this section. In order for the engine to be considered an emergency stationary RICE under this subpart, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (f)(1) through (4) of this section, is prohibited. If you do not operate the engine according to the requirements in paragraphs (f)(1) through (4) of this section, the engine will not be considered an emergency engine under this subpart and must meet all requirements for non-emergency engines.

(1) There is no time limit on the use of emergency stationary RICE in emergency situations.

(2) You may operate your emergency stationary RICE for any combination of the purposes specified in paragraphs (f)(2)(i) through (iii) of this section for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraphs (f)(3) and (4) of this section counts as part of the 100 hours per calendar year allowed by this paragraph (f)(2).

(i) Emergency stationary RICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency RICE beyond 100 hours per calendar year.

(ii) - (iii) Not applicable.

(3) Not applicable.

(4) Emergency stationary RICE located at area sources of HAP may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing and emergency demand response provided in paragraph (f)(2) of this section. Except as provided in paragraphs (f)(4)(i) and (ii) of this section, the 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

(i) – (ii) Not applicable.

## VII. ADDITIONAL REQUIREMENTS.

**# 007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6665]**

**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines**

**What parts of the General Provisions apply to me?**

Table 8 to this subpart shows which parts of the General Provisions in §§63.1 through 63.15 apply to you.

***** Permit Shield in Effect. *****

## SECTION E. Source Group Restrictions.

Group Name: 10

Group Description: 40 CFR Part 60 Subpart IIII

Sources included in this group

| ID | Name |
|---|---|
| 101 | BLDG 62 DIESEL PUMP 1 |
| 102 | BLDG 87 DIESEL PUMP 2 |

### I. RESTRICTIONS.

### Emission Restriction(s).

**# 001 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4205]**

**Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines**

**What emission standards must I meet for emergency engines if I am an owner or operator of a stationary CI internal cor**

(a) – (b) Not applicable.

(c) Owners and operators of fire pump engines with a displacement of less than 30 liters per cylinder must comply with the emission standards in table 4 to this subpart, for all pollutants.

[Excerpt from Table 4]

As stated in §60.4205(c), you must comply with the following emission standards for stationary fire pump engines:

(i) Non-methane hydrocarbons (NMHC) + nitrogen oxides (NOx): 7.8 g/HP-hr

(ii) Carbon monoxide: 2.6 g/HP-hr

(iii) Particulate matter: 0.40 g/HP-hr

(d) – (f) Not applicable.

**# 002 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4206]**

**Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines**

**How long must I meet the emission standards if I am an owner or operator of a stationary CI internal combustion engine**

Owners and operators of stationary CI ICE must operate and maintain stationary CI ICE that achieve the emission standards as required in §60.4205 over the entire life of the engine.

### Fuel Restriction(s).

**# 003 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4207]**

**Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines**

**What fuel requirements must I meet if I am an owner or operator of a stationary CI internal combustion engine subject to**

(a) Not applicable.

(b) Beginning October 1, 2010, owners and operators of stationary CI ICE subject to this subpart with a displacement of less than 30 liters per cylinder that use diesel fuel must use diesel fuel that meets the requirements of 40 CFR 80.510(b) for nonroad diesel fuel, except that any existing diesel fuel purchased (or otherwise obtained) prior to October 1, 2010, may be used until depleted.

(c) – (e) Not applicable.

### II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

## SECTION E. Source Group Restrictions.

### III. MONITORING REQUIREMENTS.

**# 004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4209]**

**Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines**

**What are the monitoring requirements if I am an owner or operator of a stationary CI internal combustion engine?**

If you are an owner or operator, you must meet the monitoring requirements of this section. In addition, you must also meet the monitoring requirements specified in §60.4211.

(a) If you are an owner or operator of an emergency stationary CI internal combustion engine that does not meet the standards applicable to non-emergency engines, you must install a non-resettable hour meter prior to startup of the engine.

(b) Not applicable.

### IV. RECORDKEEPING REQUIREMENTS.

**# 005 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4214]**

**Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines**

**What are my notification, reporting, and recordkeeping requirements if I am an owner or operator of a stationary CI internal combustion engine?**

(a) Not applicable.

(b) If the stationary CI internal combustion engine is an emergency stationary internal combustion engine, the owner or operator is not required to submit an initial notification. Starting with the model years in table 5 to this subpart, if the emergency engine does not meet the standards applicable to non-emergency engines in the applicable model year, the owner or operator must keep records of the operation of the engine in emergency and non-emergency service that are recorded through the non-resettable hour meter. The owner must record the time of operation of the engine and the reason the engine was in operation during that time.

(c) Not applicable.

### V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

### VI. WORK PRACTICE REQUIREMENTS.

**# 006 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4211]**

**Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines**

**What are my compliance requirements if I am an owner or operator of a stationary CI internal combustion engine?**

(a) If you are an owner or operator and must comply with the emission standards specified in this subpart, you must do all of the following, except as permitted under paragraph (g) of this section:

(1) Operate and maintain the stationary CI internal combustion engine and control device according to the manufacturer's emission-related written instructions;

(2) Change only those emission-related settings that are permitted by the manufacturer; and

(3) Meet the requirements of 40 CFR parts 89, 94 and/or 1068, as they apply to you.

(b) Not applicable.

(c) If you are an owner or operator of a 2007 model year and later stationary CI internal combustion engine and must comply with the emission standards specified in §60.4204(b) or §60.4205(b), or if you are an owner or operator of a CI fire pump engine that is manufactured during or after the model year that applies to your fire pump engine power rating in table 3 to this subpart and must comply with the emission standards specified in §60.4205(c), you must comply by purchasing an engine certified to the emission standards in §60.4204(b), or §60.4205(b) or (c), as applicable, for the same model year and maximum (or in the case of fire pumps, NFPA nameplate) engine power. The engine must be installed and configured according to the manufacturer's emission-related specifications, except as permitted in paragraph (g) of this section.

**SECTION E. Source Group Restrictions.**

(d) – (e) Not applicable.

(f) If you own or operate an emergency stationary ICE, you must operate the emergency stationary ICE according to the requirements in paragraphs (f)(1) through (3) of this section. In order for the engine to be considered an emergency stationary ICE under this subpart, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (f)(1) through (3) of this section, is prohibited. If you do not operate the engine according to the requirements in paragraphs (f)(1) through (3) of this section, the engine will not be considered an emergency engine under this subpart and must meet all requirements for non-emergency engines.

(1) There is no time limit on the use of emergency stationary ICE in emergency situations.

(2) You may operate your emergency stationary ICE for any combination of the purposes specified in paragraphs (f)(2)(i) through (iii) of this section for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraph (f)(3) of this section counts as part of the 100 hours per calendar year allowed by this paragraph (f)(2).

(i) Emergency stationary ICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency ICE beyond 100 hours per calendar year.

(ii) - (iii) Not applicable.

(3) Emergency stationary ICE may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing and emergency demand response provided in paragraph (f)(2) of this section. Except as provided in paragraph (f)(3)(i) of this section, the 50 hours per calendar year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

(i) Not applicable.

(g) Not applicable.

## VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

## SECTION E. Source Group Restrictions.

Group Name: 11

Group Description: 40 CFR Part 60 Subpart KKKK

Sources included in this group

| ID | Name |
|---|---|
| 038 | COMBINED HEAT AND POWER TURBINE WITH HRSG |
| C038A | SELECTIVE CATALYTIC REDUCTION |
| C038B | CO CATALYST |

### I. RESTRICTIONS.

### Emission Restriction(s).

**# 001 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4320]**

**Subpart KKKK - Standards of Performance for Stationary Combustion Turbines**

**What emission limits must I meet for nitrogen oxides (NOX)?**

[Compliance with the 2.50 ppmvd NOx limit in Group 12 will also demonstrate compliance with the applicable NOx emission limit requirements of 40 CFR, Part 60, Subpart KKKK.]

For a new turbine firing natural gas with a heat input at peake load (HHV) greater than 50 MMBtu/hr and less than or equal to 850 MMBtu/hr, you must meet a NOX emission limit 25 ppm at 15 percent O2 or 150 ng/J of useful output (1.2 lb/MWh).

**# 002 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4330]**

**Subpart KKKK - Standards of Performance for Stationary Combustion Turbines**

**What emission limits must I meet for sulfur dioxide (SO2)?**

Compliance with these provisions will be demonstrated through the alternative sulfur in fuel demonstration as provided for in 40 CFR, Part 60, Section 60.4365.

(a) If your turbine is located in a continental area, you must comply with either paragraph (a)(1) or (a)(2) of this section.

(1) You must not cause to be discharged into the atmosphere from the subject stationary combustion turbine any gases which contain SO2 in excess of 110 nanograms per Joule (ng/J) (0.90 pounds per megawatt-hour (lb/MWh)) gross output, or

(2) You must not burn in the subject stationary combustion turbine any fuel which contains total potential sulfur emissions in excess of 26 ng SO2/J (0.060 lb SO2/MMBtu) heat input. If your turbine simultaneously fires multiple fuels, each fuel must meet this requirement.

### II. TESTING REQUIREMENTS.

**# 003 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4400]**

**Subpart KKKK - Standards of Performance for Stationary Combustion Turbines**

**How do I conduct the initial and subsequent performance tests, regarding NOX ?**

(a) You must conduct an initial performance test, as required in §60.8. Subsequent NOX performance tests shall be conducted on an annual basis (no more than 14 calendar months following the previous performance test).

(1) There are two general methodologies that you may use to conduct the performance tests. For each test run:

(i) Measure the NOX concentration (in parts per million (ppm)), using EPA Method 7E or EPA Method 20 in appendix A of this part. For units complying with the output based standard, concurrently measure the stack gas flow rate, using EPA Methods 1 and 2 in appendix A of this part, and measure and record the electrical and thermal output from the unit. Then, use the following equation to calculate the NOX emission rate:

"Equation 5"
(Formula omitted...refer to regulation for exact formula notation).

(a) You must conduct an initial performance test, as required in §60.8. Subsequent NOX performance tests shall be conducted on an annual basis (no more than 14 calendar months following the previous performance test).

## SECTION E. Source Group Restrictions.

(1) There are two general methodologies that you may use to conduct the performance tests. For each test run:

(i) Measure the NOX concentration (in parts per million (ppm)), using EPA Method 7E or EPA Method 20 in appendix A of this part. For units complying with the output based standard, concurrently measure the stack gas flow rate, using EPA Methods 1 and 2 in appendix Aof this part, and measure and record the electrical and thermal output from the unit. Then, use the following equation to calculate the NOX emission rate:

"Equation 5"
(Formula omitted...refer to regulation for exact formula notation).

Where:
E = NOX emission rate, in lb/MWh
1.194 x 10-7 = conversion constant, in lb/dscf-ppm
(NOX)c = average NOX concentration for the run, in ppm
Qstd = stack gas volumetric flow rate, in dscf/hr
P = gross electrical and mechanical energy output of the combustion turbine, in MW (for simple-cycle operation), for combined-cycle operation, the sum of all electrical and mechanical output from the combustion and steam turbines, or, for combined heat and power operation, the sum of all electrical and mechanical output from the combustion and steam turbines plus all useful recovered thermal output not used for additional electric or mechanical generation, in MW, calculated according to §60.4350(f)(2); or (ii) Measure the NOX and diluent gas concentrations, using either EPA Methods 7E and 3A, or EPA Method 20 in appendix A of this part. Concurrently measure the heat input to the unit, using a fuel flowmeter (or flowmeters), and measure the electrical and thermal output of the unit. Use EPA Method 19 in appendix Aof this part to calculate the NOX emission rate in lb/MMBtu. Then, use Equations 1 and, if necessary, 2 and 3 in §60.4350(f) to calculate the NOX emission rate in lb/MWh.

(2) Sampling traverse points for NOX and (if applicable) diluent gas are to be selected following EPA Method 20 or EPA Method 1 (non-particulate procedures), and sampled for equal time intervals. The sampling must be performed with a traversing single-hole probe, or, if feasible, with a stationary multi-hole probe that samples each of the points sequentially. Alternatively, a multi-hole probe designed and documented to sample equal volumes from each hole may be used to sample simultaneously at the required points.

(3) Notwithstanding paragraph (a)(2) of this section, you may test at fewer points than are specified in EPA Method 1 or EPA Method 20 in appendix A of this part if the following conditions are met:

(i) You may perform a stratification test for NOX and diluent pursuant to

(A) [Reserved], or
(B) The procedures specified in section 6.5.6.1(a) through (e) of appendix A of part 75 of this chapter.

(ii) Once the stratification sampling is completed, you may use the following alternative sample point selection criteria for the performance test:

(A) If each of the individual traverse point NOX concentrations is within ±10 percent of the mean concentration for all traverse points, or the individual traverse point diluent concentrations differs by no more than ±5ppm or ±0.5 percent CO2 (or O2) from the mean for all traverse points, then you may use three points (located either 16.7, 50.0 and 83.3 percent of the way across the stack or duct, or, for circular stacks or ducts greater than 2.4 meters (7.8 feet) in diameter, at 0.4, 1.2, and 2.0 meters from the wall). The three points must be located along the measurement line that exhibited the highest average NOX concentration during the stratification test; or
(B) For turbines with a NOX standard less than or equal to 15 ppm @ 15% O2, you may sample at a single point, located at least 1 meter from the stack wall or at the stack centroid if each of the individual traverse point NOX concentrations is within ±2.5 percent of the mean concentration for all traverse points, or the individual traverse point diluent concentrations differs by no more than ±1ppm or ±0.15 percent CO2 (or O2) from the mean for all traverse points.

(b) The performance test must be done at any load condition within plus or minus 25 percent of 100 percent of peak load. You may perform testing at the highest achievable load point, if at least 75 percent of peak load cannot be achieved in practice. You must conduct three separate test runs for each performance test. The minimum time per run is 20 minutes.

## SECTION E. Source Group Restrictions.

(1) If the stationary combustion turbine combusts both oil and gas as primary or backup fuels, separate performance testing is required for each fuel.

(2) For a combined cycle and CHP turbine systems with supplemental heat (duct burner), you must measure the total NOX emissions after the duct burner rather than directly after the turbine. The duct burner must be in operation during the performance test.

(3) If water or steam injection is used to control NOX with no additional post-combustion NOX control and you choose to monitor the steam or water to fuel ratio in accordance with §60.4335, then that monitoring system must be operated concurrently with each EPA Method 20 or EPA Method 7E run and must be used to determine the fuel consumption and the steam or water to fuel ratio necessary to comply with the applicable §60.4320 NOXemission limit.

(4) Compliance with the applicable emission limit in §60.4320 must be demonstrated at each tested load level. Compliance is achieved if the three-run arithmetic average NOX emission rate at each tested level meets the applicable emission limit in §60.4320.

(5) If you elect to install a CEMS, the performance evaluation of the CEMS may either be conducted separately or (as described in §60.4405) as part of the initial performance test of the affected unit.

(6) The ambient temperature must be greater than 0 °F during the performance test.

**# 004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4405]**

**Subpart KKKK - Standards of Performance for Stationary Combustion Turbines**

**How do I perform the initial performance test if I have chosen to install a NOX-diluent CEMS?**

If you elect to install and certify a NOX-diluent CEMS under §60.4345, then the initial performance test required under §60.8 may be performed in the following alternative manner:

(a) Perform a minimum of nine RATA reference method runs, with a minimum time per run of 21 minutes, at a single load level, within plus or minus 25 percent of 100 percent of peak load. The ambient temperature must be greater than 0 °Fduring the RATA runs.

(b) For each RATA run, concurrently measure the heat input to the unit using a fuel flow meter (or flow meters) and measure the electrical and thermal output from the unit.

(c) Use the test data both to demonstrate compliance with the applicable NOX emission limit under §60.4320 and to provide the required reference method data for the RATA of the CEMS described under §60.4335.

(d) Compliance with the applicable emission limit in §60.4320 is achieved if the arithmetic average of all of the NOX emission rates for the RATA runs, expressed in units of ppm or lb/MWh, does not exceed the emission limit.

**# 005 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4415]**

**Subpart KKKK - Standards of Performance for Stationary Combustion Turbines**

**How do I conduct the initial and subsequent performance tests for sulfur?**

(a) You must conduct an initial performance test, as required in §60.8. Subsequent SO2 performance tests shall be conducted on an annual basis (no more than 14 calendar months following the previous performance test). There are three methodologies that you may use to conduct the performance tests.

(1) If you choose to periodically determine the sulfur content of the fuel combusted in the turbine, a representative fuel sample would be collected following ASTM D5287 (incorporated by reference, see §60.17) for natural gas. The fuel analyses of this section may be performed either by you, a service contractor retained by you, the fuel vendor, or any other qualified agency. Analyze the samples for the total sulfur content of the fuel using:

(ii) For gaseous fuels, ASTM D1072, or alternatively D3246, D4084, D4468, D4810, D6228, D6667, or Gas Processors Association Standard 2377 (all of which are incorporated by reference, see Section 60.17)

(2) Measure the SO2 concentration (in parts per million (ppm)), using EPA Methods 6, 6C, 8, or 20 in appendix A of this part. In addition, the American Society of Mechanical Engineers (ASME) standard, ASME PTC 19-10-1981-Part 10, "Flue and Exhaust Gas Analyses," manual methods for sulfur dioxide (incorporated by reference, see §60.17) can be used instead of

## SECTION E. Source Group Restrictions.

EPA Methods 6 or 20. For units complying with the output based standard, concurrently measure the stack gas flow rate, using EPA Methods 1 and 2 in appendix A of this part, and measure and record the electrical and thermal output from the unit. Then use the following equation to calculate the SO2 emission rate:

"Equation 6"
(Formula omitted...refer to regulation for exact notation).
Where:
E = SO2 emission rate, in lb/MWh
1.664 x 10-7 = conversion constant, in lb/dscf-ppm
(SO2)c = average SO2 concentration for the run, in ppm
Qstd = stack gas volumetric flow rate, in dscf/hr
P = gross electrical and mechanical energy output of the combustion turbine, in MW (for simple-cycle operation), for combined-cycle operation, the sum of all electrical and mechanical output from the combustion and steam turbines, or, for combined heat and power operation, the sum of all electrical and mechanical output from the combustion and steam turbines plus all useful recovered thermal output not used for additional electric or mechanical generation, in MW, calculated according to §60.4350(f)(2); or

(3) Measure the SO2 and diluent gas concentrations, using either EPA Methods 6, 6C, or 8 and 3A, or 20 in appendix A of this part. In addition, you may use the manual methods for sulfur dioxide ASME PTC 19-10-1981-Part 10 (incorporated by reference, see §60.17). Concurrently measure the heat input to the unit, using a fuel flowmeter (or flowmeters), and measure the electrical and thermal output of the unit. Use EPA Method 19 in appendix A of this part to calculate the SO2 emission rate in lb/MMBtu. Then, use Equations 1 and, if necessary, 2 and 3 in §60.4350(f) to calculate the SO2 emission rate in lb/MWh.

(b) [Reserved]

### III. MONITORING REQUIREMENTS.

**# 006 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4335]**

**Subpart KKKK - Standards of Performance for Stationary Combustion Turbines**

**How do I demonstrate compliance for NOX if I use water or steam injection?**

(a) If you are using water or steam injection to control NOX emissions, you must install, calibrate, maintain and operate a continuous monitoring system to monitor and record the fuel consumption and the ratio of water or steam to fuel being fired in the turbine when burning a fuel that requires water or steam injection for compliance.

(b) Alternatively, you may use continuous emission monitoring, as follows:

(1) Install, certify, maintain, and operate a continuous emission monitoring system (CEMS) consisting of a NOX monitor and a diluent gas (oxygen (O2) or carbon dioxide (CO2)) monitor, to determine the hourly NOX emission rate in parts per million (ppm) or pounds per million British thermal units (lb/MMBtu); and

(2) For units complying with the output-based standard, install, calibrate, maintain, and operate a fuel flow meter (or flow meters) to continuously measure the heat input to the affected unit; and

(3) For units complying with the output-based standard, install, calibrate, maintain, and operate a watt meter (or meters) to continuously measure the gross electrical output of the unit in megawatt-hours; and

(4) For combined heat and power units complying with the output-based standard, install, calibrate, maintain, and operate meters for useful recovered energy flow rate, temperature, and pressure, to continuously measure the total thermal energyoutput in British thermal units per hour (Btu/h).

**# 007 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4345]**

**Subpart KKKK - Standards of Performance for Stationary Combustion Turbines**

**What are the requirements for the continuous emission monitoring system equipment, if I choose to use this option?**

If the option to use a NOX CEMS is chosen:

(a) Each NOX diluent CEMS must be installed and certified according to Performance Specification 2 (PS 2) in appendix B to this part, except the 7-day calibration drift is based on unit operating days, not calendar days. With state approval, Procedure

## SECTION E. Source Group Restrictions.

1 in appendix F to this part is not required. Alternatively, a NOX diluent CEMS that is installed and certified according to appendix A of part 75 of this chapter is acceptable for use under this subpart. The relative accuracy test audit (RATA) of the CEMS shall be performed on a lb/MMBtu basis.

(b) As specified in §60.13(e)(2), during each full unit operating hour, both the NOX monitor and the diluent monitor must complete a minimum of one cycle of operation (sampling, analyzing, and data recording) for each 15-minute quadrant of the hour, to validate the hour. For partial unit operating hours, at least one valid data point must be obtained with each monitor for each quadrant of the hour in which the unit operates. For unit operating hours in which required quality assurance and maintenance activities are performed on the CEMS, a minimum of two valid data points (one in each of two quadrants) are required for each monitor to validate the NOX emission rate for the hour.

(c) Each fuel flowmeter shall be installed, calibrated, maintained, and operated according to the manufacturer's instructions. Alternatively, with state approval, fuel flowmeters that meet the installation, certification, and quality assurance requirements of appendix D to part 75 of this chapter are acceptable for use under this subpart.

(d) Each watt meter, steam flow meter, and each pressure or temperature measurement device shall be installed, calibrated, maintained, and operated according to manufacturer's instructions.

(e) The owner or operator shall develop and keep on-site a quality assurance (QA) plan for all of the continuous monitoring equipment described in paragraphs (a), (c), and (d) of this section. For the CEMS and fuel flow meters, the owner or operator may, with state approval, satisfy the requirements of this paragraph by implementing the QA program and plan described in section 1 of appendix B to part 75 of this chapter.

**# 008 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4350]**

**Subpart KKKK - Standards of Performance for Stationary Combustion Turbines**

**How do I use data from the continuous emission monitoring equipment to identify excess emissions?**

For purposes of identifying excess emissions:

(a) All CEMS data must be reduced to hourly averages as specified in §60.13(h).

(b) For each unit operating hour in which a valid hourly average, as described in §60.4345(b), is obtained for both NOX and diluent monitors, the data acquisition and handling system must calculate and record the hourly NOX emission rate in units of ppm or lb/MMBtu, using the appropriate equation from method 19 in appendix A of this part. For any hour in which the hourly average O2 concentration exceeds 19.0 percent O2 (or the hourly average CO2 concentration is less than 1.0 percent CO2), a diluent cap value of 19.0 percent O2 or 1.0 percent CO2 (as applicable) may be used in the emission calculations.

(c) Correction of measured NOX concentrations to 15 percent O2 is not allowed.

(d) If you have installed and certified a NOX diluent CEMS to meet the requirements of part 75 of this chapter, states can approve that only quality assured data from the CEMS shall be used to identify excess emissions under this subpart. Periods where the missing data substitution procedures in subpart D of part 75 are applied are to be reported as monitor downtime in the excess emissions and monitoring performance report required under §60.7(c).

(e) All required fuel flow rate, steam flow rate, temperature, pressure, and megawatt data must be reduced to hourly averages.

(f) Calculate the hourly average NOX emission rates, in units of the emission standards under §60.4320, using either ppm for units complying with the concentration limit or the following equation for units complying with the output based standard: (1) Combined heat and power complying with the output-based standard, use Equation 1 of this subpart, except that the gross energy output is calculated as the sum of the total electrical and mechanical energy generated by the combustion turbine, the additional electrical or mechanical energy (if any) generated by the steam turbine following the heat recovery steam generator, and 100 percent of the total useful thermal energy output that is not used to generate additional electricity or mechanical output, expressed in equivalent MW, as in the following equations:

"Equation 2"
(Formula omitted...refer to regulation for exact formula notation).
Where:

## SECTION E. Source Group Restrictions.

P = gross energy output of the stationary combustion turbine system in MW.
(Pe)t = electrical or mechanical energy output of the combustion turbine in MW,
(Pe)c = electrical or mechanical energy output (if any) of the steam turbine in MW, and

"Equation 3"
(Formula omitted...refer to regulation for exact formula notation).
Where:
Ps = useful thermal energy of the steam, measured relative to ISO conditions, not used to generate additional electric or mechanical output, in MW,
Q = measured steam flow rate in lb/h,
H = enthalpy of the steam at measured temperature and pressure relative to ISO conditions, in Btu/lb, and 3.413 x 106 = conversion from Btu/h to MW.
Po = other useful heat recovery, measured relative to ISO conditions, not used for steam generation or performance enhancement of the combustion turbine.

(2) For mechanical drive applications complying with the output-based standard, use the following equation:

"Equation 4"
(Formula omitted...refer to regulation for exact formula notation).
Where:
E = NOX emission rate in lb/MWh,
(NOX)m = NOX emission rate in lb/h,
BL = manufacturer's base load rating of turbine, in MW, and
AL = actual load as a percentage of the base load.

(g) Combined heat and power units with heat recovery, use the calculated hourly average emission rates from paragraph (f) of this section to assess excess emissions on a 30 unit operating day rolling average basis, as described in §60.4380(b)(1).

**# 009 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4360]**

**Subpart KKKK - Standards of Performance for Stationary Combustion Turbines**

**How do I determine the total sulfur content of the turbine's combustion fuel?**

You must monitor the total sulfur content of the fuel being fired in the turbine, except as provided in §60.4365. The sulfur content of the fuel must be determined using total sulfur methods described in §60.4415. Alternatively, if the total sulfur content of the gaseous fuel during the most recent performance test was less than half the applicable limit, ASTM D4084, D4810, D5504, or D6228, or Gas Processors Association Standard 2377 (all of which are incorporated by reference, see §60.17), which measure the major sulfur compounds, may be used.

**# 010 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4365]**

**Subpart KKKK - Standards of Performance for Stationary Combustion Turbines**

**How can I be exempted from monitoring the total sulfur content of the fuel?**

You may elect not to monitor the total sulfur content of the fuel combusted in the turbine, if the fuel is demonstrated not to exceed potential sulfur emissions of 26 ng SO2/J (0.060 lb SO2/MMBtu) heat input for units located in continental areas and 180 ng SO2/J (0.42 lb SO2/MMBtu) heat input for units located in noncontinental areas or a continental area that the Administrator determines does not have access to natural gas and that the removal of sulfur compounds would cause more environmental harm than benefit. You must use one of the following sources of information to make the required demonstration:

(a) The fuel quality characteristics in a current, valid purchase contract, tariff sheet or transportation contract for the fuel, specifying that the maximum total sulfur content for oil use in continental areas is 0.05 weight percent (500 ppmw) or less and 0.4 weight percent (4,000 ppmw) or less for noncontinental areas, the total sulfur content for natural gas use in continental areas is 20 grains of sulfur or less per 100 standard cubic feet and 140 grains of sulfur or less per 100 standard cubic feet for noncontinental areas, has potential sulfur emissions of less than less than 26 ng SO2/J (0.060 lb SO2/MMBtu) heat input for continental areas and has potential sulfur emissions of less than less than 180 ng SO2/J (0.42 lb SO2/MMBtu) heat input for noncontinental areas; or

(b) Representative fuel sampling data which show that the sulfur content of the fuel does not exceed 26 ng SO2/J (0.060 lb SO2/MMBtu) heat input for continental areas or 180 ng SO2/J (0.42 lb SO2/MMBtu) heat input for noncontinental areas. At a

**SECTION E. Source Group Restrictions.**

minimum, the amount of fuel sampling data specified in section 2.3.1.4 or 2.3.2.4 of appendix D to part 75 of this chapter is required.

## IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

## V. REPORTING REQUIREMENTS.

**# 011 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4375]**

**Subpart KKKK - Standards of Performance for Stationary Combustion Turbines**

**What reports must I submit?**

(a) For each affected unit required to continuously monitor parameters or emissions, or to periodically determine the fuel sulfur content under this subpart, you must submit reports of excess emissions and monitor downtime, in accordance with §60.7(c). Excess emissions must be reported for all periods of unit operation, including start-up, shutdown, and malfunction.

(b) For each affected unit that performs annual performance tests in accordance with §60.4340(a), you must submit a written report of the results of each performance test before the close of business on the 60th day following the completion of the performance test.

**# 012 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4380]**

**Subpart KKKK - Standards of Performance for Stationary Combustion Turbines**

**How are excess emissions and monitor downtime defined for NOX ?**

For the purpose of reports required under §60.7(c), periods of excess emissions and monitor downtime that must be reported are defined as follows:

(a) For turbines using water or steam to fuel ratio monitoring:

(1) An excess emission is any unit operating hour for which the 4-hour rolling average steam or water to fuel ratio, as measured by the continuous monitoring system, falls below the acceptable steam or water to fuel ratio needed to demonstrate compliance with §60.4320, as established during the performance test required in §60.8. Any unit operating hour in which no water or steam is injected into the turbine when a fuel is being burned that requires water or steam injection for NOX control will also be considered an excess emission.

(2) A period of monitor downtime is any unit operating hour in which water or steam is injected into the turbine, but the essential parametric data needed to determine the steam or water to fuel ratio are unavailable or invalid.

(3) Each report must include the average steam or water to fuel ratio, average fuel consumption, and the combustion turbine load during each excess emission.

(b) For turbines using continuous emission monitoring, as described in §§60.4335(b) and 60.4345:

(1) An excess emissions is any unit operating period in which the 4-hour or 30-day rolling average NOX emission rate exceeds the applicable emission limit in §60.4320. For the purposes of this subpart, a "4-hour rolling average NOX emission rate" is the arithmetic average of the average NOX emission rate in ppm or ng/J (lb/MWh) measured by the continuous emission monitoring equipment for a given hour and the three unit operating hour average NOX emission rates immediately preceding that unit operating hour. Calculate the rolling average if a valid NOX emission rate is obtained for at least 3 of the 4 hours. For the purposes of this subpart, a "30-day rolling average NOX emission rate" is the arithmetic average of all hourly NOX emission data in ppm or ng/J (lb/MWh) measured by the continuous emission monitoring equipment for a given day and the twenty-nine unit operating days immediately preceding that unit operating day. A new 30-day average is calculated each unit operating day as the average of all hourly NOX emissions rates for the preceding 30 unit operating days if a valid NOX emission rate is obtained for at least 75 percent of all operating hours.

(2) A period of monitor downtime is any unit operating hour in which the data for any of the following parameters are either missing or invalid: NOX concentration, CO2 or O2 concentration, fuel flow rate, steam flow rate, steam temperature, steam

## SECTION E. Source Group Restrictions.

pressure, or megawatts. The steam flow rate, steam temperature, and steam pressure are only required if you will use this information for compliance purposes.

(3) For operating periods during which multiple emissions standards apply, the applicable standard is the average of the applicable standards during each hour. For hours with multiple emissions standards, the applicable limit for that hour is determined based on the condition that corresponded to the highest emissions standard.

(c) For turbines required to monitor combustion parameters or parameters that document proper operation of the NOX emission controls:

(1) An excess emission is a 4-hour rolling unit operating hour average in which any monitored parameter does not achieve the target value or is outside the acceptable range defined in the parameter monitoring plan for the unit.

(2) A period of monitor downtime is a unit operating hour in which any of the required parametric data are either not recorded or are invalid.

**# 013 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4395]**

**Subpart KKKK - Standards of Performance for Stationary Combustion Turbines**

**When must I submit my reports?**

All reports required under §60.7(c) must be postmarked by the 30th day following the end of each 6-month period.

### VI. WORK PRACTICE REQUIREMENTS.

**# 014 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4333]**

**Subpart KKKK - Standards of Performance for Stationary Combustion Turbines**

**What are my general requirements for complying with this subpart?**

(a) You must operate and maintain your stationary combustion turbine, air pollution control equipment, and monitoring equipment in a manner consistent with good air pollution control practices for minimizing emissions at all times including during startup, shutdown, and malfunction.

(b) When an affected unit with heat recovery utilizes a common steam header with one or more combustion turbines, the owner or operator shall either:

(1) Determine compliance with the applicable NOX emissions limits by measuring the emissions combined with the emissions from the other unit(s) utilizing the common heat recovery unit; or

(2) Develop, demonstrate, and provide information satisfactory to the Administrator on methods for apportioning the combined gross energy output from the heat recovery unit for each of the affected combustion turbines. The Administrator may approve such demonstrated substitute methods for apportioning the combined gross energy output measured at the steam turbine whenever the demonstration ensures accurate estimation of emissions related under this part.

### VII. ADDITIONAL REQUIREMENTS.

**# 015 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4333]**

**Subpart KKKK - Standards of Performance for Stationary Combustion Turbines**

**What are my general requirements for complying with this subpart?**

Good air pollution control practices shall be followed during startup, shutdown, or malfunction of the equipment and control equipment covered under this permit.

***** Permit Shield in Effect. *****

## SECTION E. Source Group Restrictions.

Group Name: 12

Group Description: Turbine & Control Devices

Sources included in this group

| ID | Name |
|---|---|
| 038 | COMBINED HEAT AND POWER TURBINE WITH HRSG |
| C038A | SELECTIVE CATALYTIC REDUCTION |
| C038B | CO CATALYST |

### I. RESTRICTIONS.

### Emission Restriction(s).

**# 001 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

A person may not permit the emission into the outdoor atmosphere of visible air contaminants in such a manner that the opacity of the emission is either of the following:

(1) Equal to or greater than 10% for a period or periods aggregating more than three minutes in any 1 hour.

(2) Equal to or greater than 30% at any time.

**# 002 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

In accordance with 25 Pa Code 127.12b, 127.1, 127.12b(5), and BAT the following emission rates for each turbine with the operation of SCR and CO Catalyst shall not exceed the following:

Pollutant Normal Operation (15% O2)
NOx (Natural Gas) 2.50 ppmvd (as measured by a CEM averaged over a rolling 3-hour rolling period)

The Department reserves the right to establish the most appropriate averaging period for this emission standard based on actual operation of this emissions unit as measured by the Department approved CEM monitor.

CO (Natural Gas) (Rolls Royce Trent 60 combustion Turbine)
(>32 Degees F) 5.00 ppmvd (as measured by a CEM averaged over a rolling 3-hour rolling period)

CO (Natural Gas)
(< or = to 32 Degrees F) 10.00 ppmvd (as measured by a CEM averaged over a rolling 3-hour rolling period)

The Department reserves the right to change the CO <32 Degree F limitation at any time)

The Department reserves the right to establish the most appropriate averaging period for this emission standard based on actual operation of this emissions unit as measured by the Department approved CEM monitor.

VOC (Natural Gas, expressed as propane, using EPA Reference Method 25a, and subtracting non-VOC organics measured with EPA Reference Method 18, as appropriate)
(>32 Degees F) 1.20 ppmvd

VOC (Natural Gas, expressed as propane, using EPA Reference Method 25a, and subtracting non-VOC organics measured with EPA Reference Method 18, as appropriate)
(< or = to 32 Degrees F) 4.00 ppmvd

The Department reserves the right to change the VOC <32 Degree F limitation at any time)

PM10 (Natural Gas, using EPA Reference Methods 5 and 202 or new or revised methods by EPA) 5 lb/hr

PM2.5 (Natural Gas, using EPA Reference Methods 5 and 202 or new or revised methods approved by EPA) 5 lb/hr

SO2 (Natural Gas) 0.0030 lb/MMBTU

## SECTION E. Source Group Restrictions.

The Department reserves the right to impose more stringent emission limits through permit modification based on stack test data.

Compliance with the 2.5 ppmvd NOx limit will also demonstrate compliance with the applicable NOx emission limit requirements of 40 CFR, Part 60, Subpart KKKK.

Compliance with the required BAT NOx emissions limitations during normal operation (i.e., 2.5 ppmvd @ 15% O2, 3hr rolling average) and during startup (i.e., 25 ppmvd, averaged over the entire startup period) will ensure compliance with the applicable NOx emission limit requirements of 25 Pa. Code §129.97 (RACT 2) and 40 CFR Part 60, Subpart KKKK. However, an exceedance of the BAT NOx emissions limitations does not necessarily constitute an exceedance of the NOx emissions limitations required by RACT 2 or 40 CFR Part 60, Subpart KKKK. Exceedances of the RACT 2 and/or the 40 CFR Part 60, Subpart KKKK NOx emissions limitations will be reported separately as part of the semiannual Title V Deviation Report and/or the semi-annual report required by 40 CFR Part 60, Subpart KKKK, as applicable.

**# 003 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

The permittee shall not emit pollutants from the following source in excesses of the following limitations on a 12-month rolling sum.

Compliance with this limit shall include start-up and shut-down emissions

| Source | Pollutant (Tons/12-month rolling sum) | | | | | |
|---|---|---|---|---|---|---|
| | NOx | CO | VOC | SO2 | PM10 | PM2.5 |
| Rolls Royce Trent 60 | 26.62 | 28.93 | 12.48 | 7.67 | 21.90 | 21.90 |

[The Department reserves the right to impose more stringent emission limits through permit modification based on stack test data]

**# 004 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

Pursuant to the Best Available Technology (BAT) provisions of 25 Pa. Code Section 127.1, the Owner or Operator shall limit the emission of ammonia for the selective catalytic reduction (SCR) system exhaust to 5 ppmvd (one-hour block average), measured dry volume corrected to 15% oxygen. The Department reserves the right to impose a more stringent limit through permit modification based on the test results.

**# 005 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

P&G is limited in supplying in any calendar year less than one-third of the unit's potential electric output capacity or 219,000 MWh, whichever is less, to any utility power distribution system for sale.

### Fuel Restriction(s).

**# 006 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

Pursuant to the Best Available Technology (BAT) provisions of 25 Pa Code Section 127.1, the combustion turbine shall fire only natural gas.

### Throughput Restriction(s).

**# 007 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

The total fuel consumption of fuel in the combustion turbine shall not exceed the totals as described below Rolls Royce trent 60 shall not exceed a total of 4,981 million cubic feet of natural gas during any consecutive rolling 12-month period.

## SECTION E. Source Group Restrictions.

### II. TESTING REQUIREMENTS.

**# 008 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

The permittee shall conduct stack testing (every five years) within five years of the previous stack test for pollutants that are not monitored via CEMS and for which Relative Accuracy Test Audit (RATA) reference method runs are not conducted to demonstrate compliance with the limitation described in this section. The Department reserves the right to change the frequency of the testing based upon historical data and the permittee's ability to demonstrate compliance with the limitations established in this permit.

The permittee shall conduct testing for PM10 (filterable and condensable), PM2.5 (filterable and condensable), ammonia slip and VOC within five years of the previous test.

The permittee will provide gas analysis test results from multiple gas samples quantifying the sulfur content of the gas as provided by the natural gas supplier for the site in order to determine the turbine's S02 emissions. The permittee will assume 100% conversion of sulfur to S02.

The permittee shall use emission factors established from the results of the required annual stack testing to calculate monthly emissions for pollutants that are not monitored by a CEMS for purposes of satisfying the 12-month rolling sum requirements of this section.The permittee shall use continuous monitoring results for NOx and CO monthly and 12-month rolling emissions.

**# 009 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

The permittee has submit an alternative plan for direct measurement of ammonia slip from the combustion turbine that will assure compliance with limitations of this Permit. The Department approved the following alternative monitoring plan.

The alternative ammonia continuous monitoring system which consists of a “one-to-one” conversion of ammonia to NOX in the stack. Stack NOX concentrations are measured in the stack. The CEMS analyzers subtract the normal sample NOX from the elevated NOX (includes converted ammonia) with the result being the ammonia slip. This continuous monitoring system shall be operated in accordance with manufacturer’s specifications.

**# 010 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

(a) Pursuant to 25 Pa. Code § 139.3 to at least 45 calendar days prior to commencing an emissions testing program, a test protocol shall be submitted to the Department for review and approval. The test protocol shall meet all applicable requirements specified in the most current version of the Departments Source Testing Manual.

(b) Pursuant to 25 Pa. Code § 139.3 at least 15 calendar days prior to commencing an emission testing program, notification as to the date and time of testing shall be given to the appropriate Regional Office. Notification shall also be sent to the Division of Source Testing and Monitoring. Notification shall not be made without prior receipt of a protocol acceptance letter from the Department.

(c) Pursuant to 25 Pa. Code Section 139.53(a)(3) within 15 calendar days after completion of the on-site testing portion of an emission test program, if a complete test report has not yet been submitted, an electronic mail notification shall be sent to the Departments Division of Source Testing and Monitoring indicating the completion date of the on-site testing.

(d) Pursuant to 40 CFR Part 60.8(a), 40 CFR Part 61.13(f) and 40 CFR Part 63.7(g) a complete test reports shall be submitted to the Department no later than 60 calendar days after completion of the on-site testing portion of an emission test program. For those tests being conducted pursuant to 40 CFR Part 61, a complete test report shall be submitted within 31 days after completion of the test.

(e) Pursuant to 25 Pa. Code Section 139.53(b) a complete test report shall include a summary of the emission results on the first page of the report indicating if each pollutant measured is within permitted limits and a statement of compliance or non-compliance with all applicable permit conditions. The summary results will include, at a minimum, the following information:

(1) A statement that the owner or operator has reviewed the report from the emissions testing body and agrees with the findings.

## SECTION E. Source Group Restrictions.

(2) Permit number(s) and condition(s) which are the basis for the evaluation.

(3) Summary of results with respect to each applicable permit condition.

(4) Statement of compliance or non-compliance with each applicable permit condition.

(f) Pursuant to 25 Pa. Code § 139.3 to all submittals shall meet all applicable requirements specified in the most current version of the Departments Source Testing Manual.

(g) All testing shall be performed in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection.

(h) Pursuant to 25 Pa. Code Section 139.53(a)(1) and 139.53(a)(3) all submittals, besides notifications, shall be accomplished through PSIMS*Online available through https://www.depgreenport.state.pa.us/ecomm/Login.jsp when it becomes available. If internet submittal cannot be accomplished, three copies of the submittal shall be sent to the Pennsylvania Department of Environmental Protection, Bureau of Air Quality, Division of Source Testing and Monitoring, 400 Market Street, 12th Floor Rachael Carson State Office Building, Harrisburg, PA 17105-8468 with deadlines verified through document postmarks.

(i) The permittee shall ensure all federal reporting requirements contained in the applicable subpart of 40 CFR are followed, including timelines more stringent than those contained herein. In the event of an inconsistency or any conflicting requirements between state and the federal, the most stringent provision, term, condition, method or rule shall be used by default.

## III. MONITORING REQUIREMENTS.

**# 011 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

This section applies to monitoring systems as defined in the manual referenced at 139.102(3) (relating to references), installations required or approved under Chapters 122, 124, 127 and 129 or in an order issued under section 4 of the act(35 P. S. 4004).

(1) The submittal procedures specified in the publication entitled "Continuous Source Monitoring Manual," available from the Department shall be utilized to obtain Department approval. This publication includes:

(i) Installation requirements.
(ii) Performance specifications.
(iii) Test procedures.
(iv) Reporting requirements.
(v) Quality assurance requirements.
(vi) Administrative procedures for obtaining Department approval.

(2) The monitoring system installation, certification and operation shall be conducted under the direct supervision of persons qualified by training and experience.

(3) The monitoring systems may be designed to monitor source emissions or stack emissions if the representativeness of emissions can be verified. The method of conversion of monitoring results to source or stack emissions shall be approved by the Department.

(4) The location of monitoring devices shall be approved by the Department prior to installation. The selection of the monitoring location shall utilize applicable criteria in the manual referenced in 139.102.

(5) The Department has the authority to determine which of the criteria are applicable. The representativeness of the measurements at the chosen monitoring location shall be verified.

(6) The owner of a monitored source shall maintain records containing monitoring information and report data to the Department as specified in the manual referenced in 139.102(3). The records shall be maintained for 5 years and be available for inspection by Department personnel.

## SECTION E. Source Group Restrictions.

(7) The owner of a monitored source shall provide permanent sampling facilities as specified in 139.1 (relating to sampling facilities) to permit verification testing by the Department. For extractive monitors, calibration gas inlets shall be available as near as possible to the monitor probe inlet to permit the Department to verify calibration of the monitoring system. Facilities shall be approved by the Department prior to construction.

(8) Verification testing for monitoring systems shall be in accordance with Subchapter B (relating to monitoring duties of certain sources), and of the manual referenced in 139.102(3).

(9) A quality assurance program shall be established and maintained by the owner of the monitored source. This program shall be in accordance with the criteria in the sources listed in 139.102.

(10) The Department's approval will be based on the criteria specified in the manual referenced in 139.102(3). Failure to utilize the specified procedures or to conduct the quality assurance program could result in denying or rescinding the Department's approval.

(11) The owner of a monitored source shall notify the Department when the monitoring system is inoperative for more than 1 hour during an air pollution episode as specified in Chapter 137 (relating to air pollution episodes). The notice shall be given within 2 hours of the malfunction.

(12) Manual sampling conducted under Subchapter B may be required if the Department determines that the monitoring system data is not accurate or that the owner of the monitored source does not conduct the quality assurance program specified in the manual referenced in 139.102(3).

(13) Required monitoring shall meet at least one of the following minimum data availability requirements unless other data availability requirements are stipulated elsewhere in this title, in a plan approval or permit condition under Chapter 127 (relating to construction, modification, reactivation and operation of sources), or in an order issued under section 4 of the act. For purposes of calculating data availability, "process down" time, as specified in the manual referenced in 139.102(3), shall be considered valid time.

(i) In each calendar month, at least 90% of the time periods for which an emission standard or an operational parameter applies shall be valid as set forth in the quality assurance section of the manual referenced in 139.102(3).
(ii) In each calendar quarter, at least 95% of the hours during which the monitored source is operating shall be valid as set forth in the quality assurance section of the manual referenced in 139.102(3).

(14) The monitor results shall be expressed in terms of the applicable standard or criteria required. The method used to convert monitor data shall be approved by the Department.

(15) Monitoring systems shall comply with the applicable performance specifications section of the manual referenced in 139.102(3). The Department has the authority to determine which of the performance specifications are applicable.

(16) Verification of calibration standards shall be conducted in accordance with the applicable sampling methods in the Department's "Source Testing Manual" or as otherwise approved by the Department. The "Source Testing Manual" may be obtained from the Department.

(17) The requirements of this section apply to monitoring to demonstrate compliance with emissions standards and process operational parameter criteria.

**# 012 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

(a) The following continuous emission monitoring systems must be installed, approved by the Department, operated and maintained in accordance with the requirements of 25 Pa. Code Chapter 139, Subchapter C (relating to requirements for source monitoring for stationary sources), and the 'Submittal and Approval', 'Record Keeping and Reporting', and 'Quality Assurance' requirements of Revision No. 8 of the Department's Continuous Source Monitoring Manual, 274-0300-001.

(1) Continuous Emissions Monitoring System #1

(a) Source Combination to be Monitored: Combustor chamber/Boiler/Turbine
(b) Parameter to be Reported: CO

## SECTION E. Source Group Restrictions.

(c) Units of Measurement to be Reported: ppmvd
(d) Moisture Basis of Measurement to be Reported: DRY (as stated in (c) above)
(e) Correction basis of Measurements to be Reported: 15% O2
(f) Data Substitution Required: No
(g) Emission Standards-

(1) Emission Standard Carbon Monoxide (CO): (1) (>32 Degrees F) 5.00 ppmvd, (2) (< or = to 32 Degrees F) 10.00 ppmvd

(a) Emission Standard Averaging Period Description: 3-hour rolling average, calculated once per hour
(b) Emission Standard Direction: Violation if greater than emission standard value
(c) Variable Emission Standard: Yes

(2) Continuous Emissions Monitoring System #2

(a) Source Combination to be Monitored: Combustor chamber/Boiler/Turbine
(b) Parameter to be Reported: NOX
(c) Units of Measurement to be Reported: ppmvd
(d) Moisture Basis of Measurement to be Reported: DRY (as stated in (c) above)
(e) Correction basis of Measurements to be Reported: 15% O2
(f) Data Substitution Required: No
(g) Emission Standards-

(1) Emission Standard # 1: Nitrogen Oxides (NOx): (1) 2.50 ppmvd Normal Operation (15% O2)

(a) Emission Standard Averaging Period Description: 3-hour rolling average, calculated once per hour
(b) Emission Standard Direction: Violation if greater than emission standard value
(c) Variable Emission Standard: Yes, variable based on operating conditions
(h) Diluent Cap - For any hour in which the hourly average O2 concentration exceeds 19.0 percent O2 (or the hourly average CO2 concentration is less than 1.0 percent CO2), a diluent cap value of 19.0 percent O2 or 1.0 percent CO2 (as applicable) may be used in the emission calculations.

(3) Continuous Emissions Monitoring System #3

(a) Source Combination to be Monitored: Combustor chamber/Boiler/Turbine
(b) Parameter to be Reported: CO
(c) Units of Measurement to be Reported: lb/hr
(d) Moisture Basis of Measurement to be Reported: DRY
(e) Correction basis of Measurements to be Reported: N/A
(f) Data Substitution Required: Yes [For purposes of TPY calculation]
(g) Emission Standards-

(1) Emission Standard # 1: Carbon Monoxide (CO): (1) 57,860 lb/year

(a) Emission Standard Averaging Period Description: 12-month rolling sum, calculated once per month
(b) Emission Standard Direction: Violation if greater than emission standard value
(c) Variable Emission Standard: No

(4) Continuous Emissions Monitoring System #4

(a) Source Combination to be Monitored: Combustor chamber/Boiler/Turbine
(b) Parameter to be Reported: NOX
(c) Units of Measurement to be Reported: lb/hr
(d) Moisture Basis of Measurement to be Reported: DRY
(e) Correction basis of Measurements to be Reported: N/A
(f) Data Substitution Required: Yes [For purposes of TPY calculation]
(g) Emission Standards-

## SECTION E. Source Group Restrictions.

(1) Emission Standard # 1: Nitrogen Oxides (NOx): (1) 53,240 lb/year

(a) Emission Standard Averaging Period Description: 12-month rolling sum, calculated once per month
(b) Emission Standard Direction: Violation if greater than emission standard value
(c) Variable Emission Standard: No

### IV. RECORDKEEPING REQUIREMENTS.

**# 013 [25 Pa. Code §127.512]**
**Operating permit terms and conditions.**

The Owner or Operator shall record each shutdown, including date and times of each event, for the combustion turbine.

**# 014 [25 Pa. Code §127.512]**
**Operating permit terms and conditions.**

The permittee shall maintain records demonstrating compliance with the start-up conditions and emission limits described in this section. At a minimum the permittee shall record the following:

(1) The date, start time, and end time of each start-up and facility-wide turbine start-up.
(2) The duration of the start-up and facility-wide turbine start up.
(3) The CEM NOx data during the duration of the start-up and facility-wide turbine start up.
(4) The NOx average for the start-up and facility-wide turbine start up duration.
(5) The 12-month rolling sum of facility-wide turbine start-ups.

**# 015 [25 Pa. Code §127.512]**
**Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 139.101(5) and 139.101(12), 139.103,139.108 or 139.111)]

(a) The permittee shall comply with the recordkeeping requirements established in 25 Pa. Code Chapter 139, Subchapter C (relating to requirements for source monitoring for stationary sources), (and) the 'Record Keeping and Reporting' requirements in the Department's Continuous Source Monitoring Manual, Revision No. 8, 274-0300-001.

(b) Records shall be retained for at least 5 years and shall be made available to the Department upon request.

(c) Compliance with any subsequently issued revision to the Continuous Source Monitoring Manual will constitute compliance with this permit condition.

### V. REPORTING REQUIREMENTS.

**# 016 [25 Pa. Code §127.512]**
**Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 139.101(1)(iv), 139.101(10) and 139.101(12), 139.103, 139.108 or 139.111)]

(a) The permittee shall submit quarterly reports of continuous emission monitoring to the Department in accordance with the requirements established in 25 Pa. Code Chapter 139, Subchapter C (relating to requirements for source monitoring for stationary sources), (and) the "Record Keeping and Reporting" requirements as established in the Department's Continuous Source Monitoring Manual, Revision No. 8, 274-0300-001.

(b) The permittee shall report emissions for all periods of unit operation, including startup, shutdown and malfunction.

(c) Initial quarterly reports following system certification shall be submitted to the Department within 35 days following the date upon which the Department notifies the owner or operator, in writing, of the approval of the continuous source monitoring system for use in determining compliance with applicable emission standards. The Department may issue an extension to the 35 day submittal requirement upon request.

(d) Subsequent quarterly reports shall be submitted to the Department within 30 days after the end of each calendar quarter.

(e) Failure to submit required reports of continuous emission monitoring within the time periods specified in this Condition,

## SECTION E. Source Group Restrictions.

shall constitute violations of this Permit, unless approved in advance by the Department in writing.

(f) Compliance with any subsequently issued revision to the Continuous Source Monitoring Manual will constitute compliance with this permit condition.

### VI. WORK PRACTICE REQUIREMENTS.

**# 017 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

Start-up / Shut-down

The short term emission limitation contained in Conditions #001 and #002 shall not apply during the start-up and shutdown of the turbines.

Start-up, shall be defined as from initial firing to combustion turbine steady state operation

Each start-up period shall not exceed 180 (one hundred and eighty) minutes.

Facility-wide turbine cold start-up, shall be defined when the entire facility has been shut down for planned or unplanned outages and brought back on line. During this instance, the facility-wide turbine start-up is defined as above with the exception of having 360 (three hundred and sixty) minutes from initial firing to combustion turbine steady state operations.

A facility-wide turbine cold start-up is also limited to no more than 6 faciltiy-wide turbine cold start-ups on a 12-month rolling sum basis.

Additionally during both start-up and facility-wide turbine cold start-up, NOx emissions will be limited to 25 ppmvd, averaged over the entire start up period.
Shut-down, shall be defined as from when steady state combustion turbine operating load falls below normal operations to cessation of fuel firing.

Each shut-down period shall not exceed 30 (thirty) minutes.

The emissions from start-up, facility-wide cold start-up, and shut-downs shall be included in the 12-month rolling sum.

**# 018 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 139.101(1)(iv), 139.101(2), 139.101(3),139.101(4), 139.101(6), 139.101(7), 139.101(8), 139.101(12), 139.101(14) and 139.101(15))]

(a) Continuous Emission Monitoring Systems and components must be operated and maintained in accordance with the requirements established in 25 Pa. Code Chapter 139, Subchapter C (relating to requirements for source monitoring for stationary sources) and the "Quality Assurance" requirements in the Department's Continuous Source Monitoring Manual, Revision No. 8, 274-0300-001.

(b) Compliance with any subsequently issued revision to the Continuous Source Monitoring Manual will constitute compliance with this permit condition.

(c) Data Availability Standards: Continuous emission monitoring shall meet the following minimum data availability requirements:

(1) In accordance with 25 Pa. Code Section 139.101(12), required monitoring shall, at a minimum, meet one of the following data availability requirements unless otherwise stipulated in this permit, a plan approval, Title 25 or an order issued under Section 4 of the Air Pollution Control Act:

(a) In each calendar month, at least 90% of the time periods for which an emission standard or an operational parameter applies, shall be valid as set forth in the Quality Assurance section of Revision No. 8 of the Department's Continuous Source Monitoring Manual, 274-0300-001; or

## SECTION E. Source Group Restrictions.

(b) In each calendar quarter, at least 95% of the hours shall be valid as set forth in the Quality Assurance section of Revision No. 8 of the Department's Continuous Source Monitoring Manual, 274-0300-001.

(2) Compliance with any subsequently issued revisions to the Continuous Source Monitoring Manual will constitute compliance with the regulations.

(3) Emission Standard(s) To Which Data Availability Standard applies:

(a) CO (ppmvd @ 15% O2)
(b) NOx (ppmvd @ 15% O2)
(c) CO (lb/hr)
(d) NOx (lb/hr)

### VII. ADDITIONAL REQUIREMENTS.

**# 019 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

Any replacement of the compressor, combustor and power sections, and the support equipment including bearings, shafts, turbine blades, etc. (together termed "turbine core") of a turbine compression engine with an identical turbine core or a lower emitting turbine core located at a major facility shall be exempt from plan approval requirements, provided the following requirements are met:

(i) For temporary use, no longer than 6 months, of a leased turbine core of the same make and model number as the original turbine core equipment, no notification or approval is required.

(ii) For temporary use, longer than 6 months but less than 1 year, of a leased turbine core of the same make and model number as the original turbine core equipment, P&G shall provide notice to PADEP ten (10) days prior to the end of the initial 6 month replacement period detailing the reasons for the delay beyond the initial 6 months along with an anticipated schedule for re-installation of the original turbine core. No approval by PADEP is required. Notifications under this scenario shall contain the following information:

(1) Details of the reasons for the delay of re-installation of the repaired turbine core.

(2) A schedule of the anticipated re-installation date.

(3) Monthly reports as to the status of the repaired turbine core.

(4) An updated schedule of re-installation as needed.

(5) A final notification that the re-installation has occurred.

(iii) The permittee shall provide written notice to the Department at least ten (10) calendar days prior to installation of a planned permanent turbine core replacement.

(iv) The permittee shall provide written notice to the Department three (3) calendar days prior to installation of a permanent turbine core replacement necessitated by an equipment failure or other unplanned event.

(v) The written notice for a permanent turbine core replacement shall identify the manufacturer, model, and serial number of the turbine core to be installed in the turbine compression engine and the air contaminant emissions rates, which will exist following the turbine core replacement, including oxides of nitrogen (NOx), carbon monoxide (CO) and volatile organic compounds (VOCs). No approval by PADEP is required. Notifications under this scenario shall contain the following information:

(1) The manufacturer, make and model number of the replacement turbine core.

(2) At least 45 calendar days prior to commencing an emissions testing program for VOC and PM emissions, a test protocol shall be submitted to the Department for review and approval.

## SECTION E. Source Group Restrictions.

(3) Within six (6) months of installation of the replacement turbine core, complete a source test for VOC and PM emissions and notification of such testing.

(4) At least 15 calendar days prior to commencing an emissions testing program, provide notification as to the date and time of testing.

(5) Submit complete emissions compliance test reports to the Department no later than 60 calendar days after completion of the on-site emissions testing.

(vi) The written notice for a permanent turbine core replacement shall also contain a certification from the Responsible Official that any turbine core to be installed has been manufactured by either the existing turbine manufacturer, or other manufacturer and will be a lower emitting turbine core or, if the core will be replaced with an identical core, that a lower emitting core is not available. Existing turbine manufacturers shall include companies that maintain the turbine cores of the existing turbines at the facility.

(vii) For a permanent turbine core replacement, the permittee will perform a New Source Review (NSR) Applicability Analysis in an effort to show that the planned permanent turbine core replacement would not cause a significant emissions increase as determined under NSR permitting requirements, utilizing the procedures specified in 25 Pa. Code, Section 127.203a and 40 CFR Section 52.21. Such self-determination for NSR Applicability Analysis does not require approval by PADEP, but will be submitted to PADEP for the Department's records. If the permanent turbine core replacement is as a result of a turbine core failure requiring an unanticipated replacement of the turbine core, the NSR Applicability Analysis will be made within 45 days of notification to PADEP of the intent to make a permanent replacement of the existing turbine core. If the turbine core replacement is as a result of planned maintenance, the NSR Applicability Analysis will be made and submitted to PADEP prior to its installation. In either case no prior approval by PADEP is required for the actual installation of the permanent turbine core replacement. The notification requirement is described in paragraphs iv through vi. above.

(viii) The notice shall be accompanied by a vendor-provided guarantee of the achievable air contaminant emissions rates of the new turbine core. If such a guarantee is not available, the notice shall include certification that the permittee attempted to obtain such guarantee and an explanation as to why the vendor will not provide such a guarantee.

(ix) All certifications shall be signed by a Responsible Official and shall acknowledge that the certifying party is aware of the penalties for unsworn falsification to governmental authorities as established under 18 Pa.C.S. Section 4904. The certification shall also state that based on information and belief formed after reasonable inquiry, that the information in the notice is true, accurate and complete.

(x) A turbine core is a Lower Emitting Turbine Core if it is compatible, commercially available, has the same operating characteristics as the core being removed and the rate of NOx emissions, expressed as either parts per million by volume dry basis (ppmvd) or pounds per hour (lb/hr) would be lower than the rates of emissions achievable by any commercially available alternative turbine core when the respective turbine was operating at the same level of performance. If the horsepower, firing rate and operating speed of the core being removed falls within the ranges of horsepower, firing rate, and operating speed for the Lower Emitting Turbine Core, the Lower Emitting Turbine Core is considered to have the same operating characteristics as the core being removed. A compatible turbine core is one that is consistent with the modular design of the original turbine installation.

(xi) A turbine core is an Identical Turbine Core if the rate of NOx emissions is no higher than the emissions rate for the turbine core being replaced when the respective turbine is operating at the same level of performance.

(xiii) Turbine core replacements may occur pursuant to this exemption for no more than fifteen (15) years from the date of the first permanent replacement. Any subsequent proposed turbine core replacements for both new and existing engines will require a plan approval application including a best available technology evaluation to be submitted to the Department for its review and approval. Once approved, turbine core replacements may occur pursuant to this exemption for another fifteen (15) years, before a new plan approval and best available technology evaluation is required.

**# 020 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

[25 Pa. Code §127.441(c) & Chapter 139; §§114(a)(3), 504(b) of the CAA] Sampling, Testing and Monitoring Procedures

(1) The permittee shall perform the emissions monitoring analysis procedures or test methods required under an

## SECTION E. Source Group Restrictions.

applicable requirement including procedures and methods under Sections 114(a)(3) ( 42 U.S.C.A.§§ 7414 (a)(3)) or 504(b)(42 U.S.C.A.§§ 7661c(b)) of the Clean Air Act.

(2) Unless otherwise required by this permit, the permittee shall comply with applicable monitoring, quality assurance, recordkeeping and reporting requirements of the Air Pollution Control Act, 25 Pa. Code, Subpart C, Article III (relating to air resources), including Chapter 139 (relating to sampling and testing). The permittee shall also comply with applicable requirements related to monitoring, quality assurance, reporting and recordkeeping required by the Clean Air Act including §§ 114(a)(3) and 504(b) and regulations adopted thereunder, unless otherwise required by this permit

***** Permit Shield in Effect. *****

## SECTION E. Source Group Restrictions.

Group Name: 13

Group Description: NOx Budget Trading Program

Sources included in this group

| ID | Name |
|---|---|
| 038 | COMBINED HEAT AND POWER TURBINE WITH HRSG |
| C038A | SELECTIVE CATALYTIC REDUCTION |
| C038B | CO CATALYST |

### I. RESTRICTIONS.

### Emission Restriction(s).

**# 001 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

Emissions Below Statewide Limits

(a) If the total ozone season emissions from all units subject to this subsection are less than 3,438 tons of NOx, the Department's permanent retirement of allowances covers all applicable emissions and no additional account transactions are required by the units covered under this subsection.

(b) If the combined NOx emissions from all units subject to this subsection exceed 3,438 tons in an ozone season, then a unit whose actual emissions exceed the unit¿s allowable emissions for that ozone season shall surrender to the Department by April 30 of the year following the ozone season one CAIR NOx Ozone Season allowance and one CAIR NOx allowance for each ton of excess emissions. A unit whose excess emissions are 0.5 ton or greater of the next excess ton shall surrender 1 full ton of CAIR NOx allowances (banked or current) for that excess emission. Units under common ownership may include the allowable and actual emissions from multiple units to determine whether a unit must surrender allowances.

(c) By January 31, 2009, and by January 31 of each year thereafter, the Department will determine the allowable amount of NOx emissions for the next ozone season for each unit subject to this subsection, as follows:
Allowable emission rate times each unit's heat input:
Where
"Allowable emission rate" = 3,438 tons of NOx / Combined heat input of all units during the most recent ozone season.

(d) Allowance surrender for excess emissions. If the combined NOx emissions from all units subject to this subsection exceed 3,438 tons in an ozone season, then a unit whose actual emissions exceed the unit's allowable emissions for that ozone season, as determined under paragraph (c) , shall surrender to the Department by April 30 of the year following the ozone season one CAIR NOx Ozone Season allowance and one CAIR NOx allowance for each ton of excess emissions. A unit whose excess emissions are 0.5 ton or greater of the next excess ton shall surrender 1 full ton of CAIR NOx allowances (banked or current) for that excess emission. Units under common ownership may include the allowable and actual emissions from multiple units to determine whether a unit must surrender allowances.

(e) Surrender procedure. To surrender allowances under paragraph (d) , an owner or operator of a unit shall surrender the required CAIR NOx Ozone Season allowances and CAIR NOx allowances to the Department's designated NOx allowance tracking system account and provide to the Department, in writing, the following:

(1) The serial number of each allowance surrendered.

(2) The calculations used to determine the quantity of allowances required to be surrendered.

(f) Failure to surrender allowances. If an owner or operator fails to comply with paragraph (d) , the owner or operator shall by June 30 surrender three CAIR NOx Ozone Season allowances and three CAIR NOx allowances of the current or later year vintage for each ton of excess emissions as calculated under paragraph (d).

### II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

## SECTION E. Source Group Restrictions.

### III. MONITORING REQUIREMENTS.

**# 002 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

All units subject to this subsection shall monitor and report NOX emissions in accordance with 40 CFR Part 96, Subpart HHHH (relating to monitoring and reporting).

### IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

### V. REPORTING REQUIREMENTS.

**# 003 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

All units subject to this subsection shall establish a CAIR-authorized account representative and general account in accordance with 40 CFR Part 96, Subparts BB and FF (relating to CAIR designated representative for CAIR NOx sources; and CAIR NOx allowance tracking system), incorporated into Subchapter D by reference, for the purpose of retiring CAIR NOx allowances.

### VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

### VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

## SECTION E. Source Group Restrictions.

Group Name: 14

Group Description: RACT II

Sources included in this group

| ID | Name |
|---|---|
| 031 | NO. 1 GAS BOILER |
| 032A | NO. 2 GAS BOILER |
| 033A | NO. 3 BOILER (PAPER FINES) |
| 034A | NO. 4 GAS BOILER |
| 501 | PAPERMACHINE 1M |
| 502 | PAPERMACHINE 2M |
| 503 | PAPERMACHINE 3M |
| 504 | PAPERMACHINE 4M |
| 505 | PAPERMACHINE 5M |
| 506 | PAPERMACHINE 6M |
| 507 | PAPERMACHINE 7M |
| 508 | PAPERMACHINE 8M |
| DC1 | 40 INK JET PRINTERS (DATE CODE) |
| DP18 | DIAPER OPERATIONS CONSISTING OF EIGHTEEN (18) LINES |
| ED1 | WASTE WATER TREATMENT FUGITIVE EMISSIONS |
| LF1 | CLOSED LANDFILL |
| PG9 | PAPERMAKING FUGITIVES |

### I. RESTRICTIONS.

### Emission Restriction(s).

**# 001 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

[Authority for the below conditions is also derived from 129.99 and 129.97]

[The following emission limits supersede all previously set limits in this permit and pertain to the sources as listed below]

(1) Pursuant to the Reasonable Available Control Technology provision of 25 Pa. Code, Chapter 129.99(a) and (d), NOX emissions from Source IDs 031 (No. 1 Gas Boiler), 032A (No. 2 Gas Boiler), and 034A (No. 4 Gas Boiler) shall be less than 0.25 lb/MMBtu on a 30-operating day rolling average basis.

(2) Pursuant to the Reasonable Available Control Technology provision of 25 Pa. Code, Chapter 129.99(a) and (d), NOX emissions from Source ID 033A (No. 3 Boiler) shall be less than 0.24 lb/MMBtu for the portion of the fuel when firing natural gas and 0.41 lb/MMBtu for the portion of the fuel when firing paper fines.

(3) Pursuant to the Reasonable Available Control Technology provision of 25 Pa. Code, Chapter 129.99(b), NOX emissions from Source IDs 501 (Paper Machine 1M), 502 (Paper Machine 2M), 503(Paper Machine 3M), 505(Paper Machine 5M), and 506 (Paper Machine 6M) shall be less than 0.17 lb/MMBtu.

(4) Pursuant to the Reasonable Available Control Technology provision of 25 Pa. Code, Chapter 129.97(g)(1)(i), NOX emissions from Source IDs 504 (Paper Machine 4M) shall be less than 0.10 lb/MMBtu.

(5) Pursuant to the Reasonable Available Control Technology provision of 25 Pa. Code, Chapter 129.99(b), NOX emissions from Source IDs 507 (Paper Machine 7M) and 508 (Paper Machine 8M) shall be less than 0.14 lb/MMBtu NOX on a 3-hour average.

(6) Pursuant to the Reasonable Available Control Technology provision of 25 Pa. Code, Chapter 129.99(c) Source IDs PG9 (Papermaking Fugitives) and DP18 (Diaper Operations) shall use low-VOC additives.

## SECTION E. Source Group Restrictions.

(7) RACT II emissions limitations were derived from 25 Pa. Code, Chapter 129.97 and 129.99, case by case RACT II emissions limitations were derived from U.S. EPA Test Method 19 and published Fd factors for natural gas [and site specific values based on ultimate analyses of fuel samples (paper fines, for Boiler No. 3)].

### II. TESTING REQUIREMENTS.

**# 002 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

[Authority for the below conditions is also derived from 129.100, 129.99 and 129.97]

[The following testing requirements pertain to the sources as listed below]

(1) Compliance for the NOX emissions from Source ID 033A (No. 3 Boiler) will be demonstrated through Department-approved emissions source test conducted one time in each 5-year calendar period. Compliance with this provision ensures compliance with 25 Pa. Code 129.100(a)(4). for NOX. NOX emissions will be calculated using the methodology in 25 Pa. Code 129.97 (g)(4)(i).

(2) Compliance for NOX emissions from Source IDs 501 (Papermachine 1M), 502 (Papermachine 2M), 503 (Papermachine 3M), 505 (Papermachine 5M), and 506 (Papermachine 6M) will be demonstrated through a stack test (every five years) within five years of the previous stack test. Each stack test will consist of three, 1-hour test runs, performed simultaneously on the yankee and predryer stacks (one papermachine at a time) and performed in compliance with the requirements of 25 Pa. Code, Chapter 139, §139.3.

The stacks that will be tested are:

Papermachine 1M – Stack IDs S41 and S42
Papermachine 2M – Stack IDs S43 and S44
Papermachine 3M – Stack IDs S45 and S46
Papermachine 5M – Stack IDs S49 and S50
Papermachine 6M – Stack IDs S51 and S52

(3) P&G will stack test Source IDs 507 (Paper Machine 7M) and 508 (Paper Machine 8M) in accordance with the Title V permit requirements. Compliance with this provision ensures compliance with 25 PA Code 129.100(a)(4) for NOx.

(4) P&G may request to extend the dates for completion of the compliance testing requirements in this condition. The request should be submitted to PADEP in writing providing details as to the reasons for the delay. Because this RACT II Permit contains a different compliance demonstration than was proposed by P&G in its Compliance Plan for Papermachines 1M, 4M, 5M, and 6M; stack test results that do not meet the permitted RACT II NOx emission limits will trigger the submission of a new RACT II Compliance Plan for these papermachines. Non-compliant stack tests will not be automatic non-compliance unless P&G fails to submit a new Compliance Plan in a reasonable time period.

### III. MONITORING REQUIREMENTS.

**# 003 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

[Authority for the below conditions is also derived from 129.100, 129.99 and 129.97]

[The following monitoring requirements pertain to the sources as listed below]

(1) Compliance for the NOX emissions from Source IDs 031 (No. 1 Gas Boiler), 032A (No. 2 Gas Boiler), and 034A (No. 4 Gas Boiler) will be demonstrated using the existing continuous emissions monitoring system (CEMS) in accordance with 25 Pa. Code 129.100(a)(1).

### IV. RECORDKEEPING REQUIREMENTS.

**# 004 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

[Authority for the below conditions is also derived from 129.100, 129.99 and 129.97]

## SECTION E. Source Group Restrictions.

[The following Recordkeeping requirements pertain to the sources as listed below]

(1) The permittee shall maintain records of good operating practices, in accordance with 25 Pa. Code 129.100(d) for sources in this group.

(2) The company shall maintain the following records for Source ID 507 (Paper Machine 7M) and 508 (Paper Machine 8M).

(a) Data which clearly demonstrates that the average operating hours between 7M and 8M paper machines does not exceed 8,520 hours per machine per year.
(b) Sufficient data to clearly demonstrate that the requirements of this group conditions are met. This includes stack test reports of NOX emissions pursuant to 25 PA Code 129.100(d).
(c) All records shall be maintained for at least five years and shall be made available to the department upon request.

(3) Pursuant to the Reasonable Available Control Technology provision of 25 Pa. Code, Chapter 129.100 Source IDs PG9 (Papermaking Fugitives) and DP18 (Diaper Operations) shall maintain records of material data sheets demonstrating compliance with the use low-VOC additives.

### V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

### VI. WORK PRACTICE REQUIREMENTS.

**# 005 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

[Authority for the below conditions is also derived from 129.99 and 129.97]

[The following Work Practice Standards requirements pertain to the sources as listed in Group #16]

(1) The permittee shall operate and maintain all sources in this group in accordance with good operating practices in accordance with 25 Pa. Code 129.99(d).

(2) P&G shall develop and maintain a log of good operating practices for the sources listed in this group. This log shall be re-evaluated and updated as applicable to minimize the emissions of NOx and VOCs.

(3) The log shall include but not limited to; the date in which the good operating practices log has been reviewed and updated, List of Source IDs, checklist of good operating practices pertaining to each source or grouping of sources, date that the sources were monitored to ensure compliance with the good operating practices established for the source or group of sources.

**# 006 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

For permit compliance purposes and for AIMS emissions reporting, the permittee shall calculate the NOX emissions factor (lb/MMBtu) for the following emissions sources from source test results in accordance with the standard(s) established by the Department, using the U.S. EPA Test Method 19 and published Fd factors for natural gas and sitespecific values based on ultimate analyses of fuel samples (paper fines, for Boiler No. 3) collected during each test run, unless otherwise approved by the Department. Despite what emission factor standard has been approved in the past, DEP reserves the right to require P&G to propose to PA DEP an updated the emission factor standard for approval that ensures that the emission results from source testing are being utilized to establish the most acceptable standard.

(a) Source ID 501 – Papermachine 1M
(b) Source ID 502 – Papermachine 2M
(c) Source ID 503 – Papermachine 3M
(d) Source ID 504 – Papermachine 4M
(e) Source ID 505 – Papermachine 5M
(f) Source ID 506 – Papermachine 6M
(g) Source ID 507 – Papermachine 7M
(h) Source ID 508 – Papermachine 8M

## SECTION E. Source Group Restrictions.

(i) Source ID 031 – No. 3 Boiler (Paper Fines)

### VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

## SECTION F. Alternative Operation Requirements.

No Alternative Operations exist for this Title V facility.

## SECTION G. Emission Restriction Summary.

No emission restrictions listed in this section of the permit.

## SECTION H. Miscellaneous.

The Department received the Title V operating permit application for this facility on March 28, 2022. The Title V Operating Fees shall be paid in accordance with PA Code Title 25, Section 127.704 and Section 127.705. The Annual Maintenance Fee is due on or before December 31 of each year for the next calendar year.

(a) The capacities listed in Section A and D of this permit are typical operation capacities and are included for informational purposes. The listed capacities are not to be construed as enforceable limits or maximum capacities. All enforcecable limits which apply to any source included in this permit are included in the conditions of this permit.

(b) Condition #017(c) in General Title V Requirements Section includes minor source exemptions. Also included is the latest list (Plan Approval and Operating Permit Exemptions) as determined by the Department and published in the PA Bulletin under the authority of 25 Pa. Code Section 12714.

(c) This Title V Operating Permit Incorporates specific conditions for the following Plan Approvals:

66-315-012B
66-315-035C
66-315-036
66-315-037
66-315-038
66-315-039
66-315-040
66-315-041
66-315-042
66-315-043
66-315-044
66-315-045
66-315-046A
66-315-047
66-315-048
66-315-049
66-315-050
66-315-051
66-315-053
66-315-054
66-315-055
66-315-056
66-318-002
66-318-004
66-318-005
66-399-001
66-399-002
66-399-003
66-399-004GP
66-399-005
66-399-006
66-00001A
66-318-007 - This plan approval originally was to modify 14 of the 21 converting lines under Source CV1 - Only one (1) line was modified (Line MK83) This changes the total VOCs PTE of the project from 24.70 tpy to 1.90 tpy. All related documentation to this change is in the file and P&G understands that if they wish to make any additional changes to any other converting line they must submit a new plan approval to do so. This change does not change any current limitations. The polymer suspension capability was removed from this plan approval per August 18, 2017 letter.
66-315-058
66-00001C - This plan approval was to make several modifications to converting line MC2. All the changes have been made except for the ability to add a polymer suspension coating to the product. This changed the total PTE of VOCs of the project from 3.82 tpy of VOCs to 0.26 tpy of VOCs of the project. All related documentation is in the file. P&G understands that if they wish to add this capability to MC2 in the future a new plan approval will need to be submitted. This change does not change any limitations already established.
66-00001D
66-00001E

## SECTION H. Miscellaneous.

66-00001F
66-00001G
66-00001H
66-00001I
66-00001J
66-00001K

(d) The following list is approved Request for Determination sources:

Installation of additional Dissolved Air Flotation Unit (#4 DAF)
#6 Paper Machine Process Fan Modification
Baby Care PV Baghouse Loading Change
2m Predryer Seal Modification
DAR East Baghouse Dust Loading Change
AZO Raw Material Delivery Upgrade
West Dust Receiver Fan Upgrade
Tissue Ply-bond Glue
BC Capacity
#1 Pulper Roof Exhaust Fan
Baby Care Drumfilter Differential Pressures
Bldg 11 Fan Changes
Turbine Welding Hood
Separator Steam Vent
Heat Recovery
Wastewater Treatment Tank
7 Lines-On-Line Coremaking (1st Phase)
Firewall Modification
Converting Motor Upgrade
7 Line-On-Line Coremaking (2nd Phase)
MK85
Bldg 87 Diesel Fire Pump #1
Bldg 87 Diesel Fire Pump #2
ETA38-40 Pleated Filters
5th Pulper Hood
6m Wire Box
ETA34-37 and ETA41-43 Pleated Filters
MK72 Decorator
Baby Care Capacity Phase I
AZO 6
AZO Pump Relocation
BC Dust Control Redistribution
Baby Care Cafeteria Kitchen Hood
ETA 34-37 Loading
Boiler Heat Recovery
Stock Prep Building Addition Heater
Turbine Air to 4M Yankee
Weld Shop Relocation
7M Wirebox Replacement
Drum Filter Media Change
Parking lot paving
Tissue Lines MC-1 and MC-2
7M Headbox
Baby Care L44
ETA 41-44 Media Replacement
AZO Pump Relocation (2)
New MT67 Tissue Line
Drum Filter Media Change
Emergency Natural Gas Generator
APD Trim Exhaust

## SECTION H. Miscellaneous.

Bounty Converting Test - Superceded see below
Bounty Converting Test
ETA 38-40 Off-Line work
Baby Care Pack Loop Code Daters (added as Plan Approval)
MK 80 High Speed Turret
7M/8M Burner
Cooling Tower
Converting Ply Glue (added as Plan Approval)
Converting Glue Header Replacement
Rotoclone Roll Shop Scrubber
Hydrogen Fuel Cell Maintenance Shop Exhaust
Diapers operation M5 Initiative
6M Headbox
Dust Hoods on MSC Lines (8 lines)
1M MUA fan on fresh air (test) 120 days (returned back to original design 3/24/14)
7M/8M UPD Stack Exhaust
Online Coremaking code dater to Linx ink and solvent
Turret on MK79, MK83, MK84
7M APD Trim
Firewall 4.0 (single sided fluid applicator)
Cogen 2 Turbine Core change out extension
8M Wirebox replacement
Diapers (6 Static Separators)
OA&H Diapers rerouting of air flow
Diapers Line 39 & 44 MSC to PSC lines
Wetness Indicator MP36, MP37 &MP44
Hot Air Purge Cycle Damper
Napkin Line speed increase
Date coder converting Linx 4900 to 5900
Turbine core replacement
2 parts washers
Replace diaper code daters
Increase operating speed of 7 diaper lines
Modify diaper line 26
Install two new inkjet printers
1M/4M Water Pump and 1M Kraft Pump Upgrade
MT62 Perforation Roll and Anvil Change
Cruisers Pants (MP45 and MP46)
Phoenix 3.0 (Line 38)
8M Toe Roll
Papermaking Automatic Belt Marking
Wetness Indicators on 6 Lines in Babycare
P7.5 (7 line - 29, 30, 31, 39, 41, 42, 44)
Added 2 Digits to Date Code Diapers Case Code Date
Laser Printer Online Coremaking Code Date (Test)
Drop Lot Emergency Generator
Extra Code Date on Converting Line MK71
X.02+ (MP45 and MP46)
Added 2 Digits to Date Code Diapers Bag Code Date
MC1 and MC2 5% Increase
MK84LRD (Large Roll Diameter)
TMV18 on Seven Diaper Lines
FC - Cogen 2 Ammonia Slip Exemption during SU/SD
Underjams Quailman (Line 26 Replacement)
Voice on Three Diaper Lines
BC - 2 Assembly Lines
FC - Napkins MN1 thru MN5 10% Speed Up
P8 on Seven Diaper Lines (Premiums)
Alfalfa on Seven Diaper Lines (Mainlines)

## SECTION H. Miscellaneous.

Green Lantern on Line MC2
MK82 Modification
Softness Project
NSS Pants Bundle
Line 31 Capability to Run S1 diapers
MK85 and MK71 Bigger Diaper Lines
P9 on Premium Diaper Lines
Blur on Mainline Diaper Lines
5M and 6M Yankee Hood Exhaust Air Stack Replacement
Rental Generators for April Outage 2021
Rescinded Rental Generators RFD #9132
Green Arrow on Converting Lines MK79 and MK85
8th Pants Line

Amendment 2019 changes include:
-Corrected total and individual PTE HAP for combustion sources
-Clarified language for testing Source ID 507 and 508 individually
-Removed Cider Mill Gas Heater (Source ID 107), as was replaced with electric heaters
-Corrected building locations in title for Source ID 101 and 110
-Incorporated plan approvals 66-00001H, 66-00001I, and 66-00001K. [Note: Auxiliary Boiler (Source ID 036) was decommissioned per administrative amendment for Plan Approval 66-00001H]

Amendment 2020 changes include:
Revise Group 4 by adding requirements pertaining to Presumptive RACT
Revise Group 3 by adding additional sources to the group
Added Group 16 - RACT II - Case-by-Case RACT II Sources and Requirements

Amendment 2021 changes include:
Revise Group 16 - RACT II - to correct errors

****** End of Report ******