



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

TITLE V/STATE OPERATING PERMIT

Issue Date: March 8, 2021 Effective Date: March 19, 2025
Revision Date: March 19, 2025 Expiration Date: March 7, 2026
Revision Type: Amendment

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: 08-00003

Federal Tax Id - Plant Code: 93-0563778-2

Owner Information

Name: WOODGRAIN INC
Mailing Address: PO BOX 311
TOWANDA, PA 18848-0311

Plant Information

Plant: WOODGRAIN INC/FIBER DIV PA
Location: 08 Bradford County 08952 Wysox Township
SIC Code: 2493 Manufacturing - Reconstituted Wood Products

Responsible Official

Name: LANCE STEVENS
Title: ENVIRONMENTAL MANAGER
Phone: (570) 268 - 8737 Email: LStevens@woodgrain.com

Permit Contact Person

Name: LANCE STEVENS
Title: ENVIRONMENTAL MANAGER
Phone: (570) 268 - 8737 Email: LStevens@woodgrain.com

[Signature] MUHAMMAD Q. ZAMAN, ENVIRONMENTAL PROGRAM MANAGER, NORTHCENTRAL REGION



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Source ID	Source Name	Capacity/Throughput	Fuel/Material
031	UNION IRON WORKS (BOILER 1)		
033	B & W BOILER (BOILER 3)		
099	SMALL COMBUSTION UNITS		
110P	SECONDARY SAWS & HOG		
113P	DIEFORM TRIM & EDGE SAWS		
141P	LINE 1 REFINERS AND 1ST STAGE DRYERS		
142P	LINE 2 REFINERS AND 1ST STAGE DRYERS		
155P	PNEUMATIC CONVEYING SYSTEM		
161P	2ND STAGE DRYERS/LINE 1 FELTER OPS		
162P	2ND STAGE DRYERS/LINE 2 FELTER OPS		
163P	DIEFORM FELTER OPS		
164P	DIEFORM FIBER BLENDING		
171P	LINE 1 PRESS		
172P	LINE 2 PRESS		
174P	LINE 2 - DIE & PLATE CLEANING AREA		
181P	LINE 1 PRE-TRIM SAWS		
182P	LINE 2 PRE-TRIM SAWS		
184P	DIE FORM PRESS		
187P	DIE FORM COATING		
188P	COATING LINE 1		
189P	LAP SIDING COATING OPERATIONS		
191P	LINE 1 TEMPERING		
193P	DIE FORM TEMPERING		
194P	COATED FUEL SILO		
195P	DRY FUEL METERING BIN		
196P	AIR DENSITY SEPERATOR & SILO		
198P	BOILER STOKER FEED SYSTEM		
199P	STOKER OVERFEED PNEUMATIC SYSTEM		
200P	WOODYARD		
201P	FIBER STORAGE PILE (MAS.ID A-10)		
202P	JET-A-MARK CODE PRINTERS		
203P	TRIM SURFACE COATING OPERATION		
204P	SURFACE COATING MANUFACTURING OPERATION		
299P	WET FUEL HANDLING OPERATIONS		
300P	EMERGENCY ENGINES		
302P	BOILER ASH LANDFILL		
400P	STORAGE TANKS (>2000 GAL)		
511P	SECONDARY SANDERS & BRUSH MACHINE		
580P	WOODWORKING (COATING 1 & LAP SIDE LINES)		
600P	PROCESS WATER TREATMENT FACILITY & SPRAY IRRIGATION FIELD		

**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
BVB01	COATED FUEL SILO BIN VENT BAGHOUSE		
BVB02	METERING BIN - BIN VENT BAGHOUSE		
BVB03	AIR DENSITY SEPARATOR & SILO - BAGHOUSE		
BVB04	WET FUEL PREP AREA - BAGHOUSE		
BVB05	BOILER STOKER FEED SYSTEM - BAGHOUSE		
BVB06	STOKER OVER FEED, MIXED FUEL SILO B.H.		
C03	LINE 1 COATING BAGHOUSE 1		
C04	LINE 1 COATING BAGHOUSE 2		
C05	DIE FORM COATING BAGHOUSE		
C110A	SECONDARY SAWS BAGHOUSE 1		
C110B	SECONDARY SAWS BAGHOUSE 2		
C110C	HOG BAGHOUSE		
C141	LINE I FS DRYERS RTO		
C141R	REFINER REJECT CYCLONE		
C142	LINE II FS DRYERS RTO		
C142R	REFINER REJECT CYCONE		
C15	MULTICLONE COLLECTOR		
C155	QUENCH BIN CYCLONES (4)		
C164A	BLENDER FEED CYCLONE		
C164B	BLENDER SEPARATOR CYCLONE		
C164C	FIBER BLENDING FABRIC COLLECTOR		
C17	#3 BOILER MULTICLONE		
C171A	QUENCHER		
C171B	TRAY TOWER SCRUBBER		
C171C	LINE I PRESS VENTURI SCRUBBER		
C171E	LINE I PRESS CYCLONIC SEPARATOR		
C172A	QUENCHER		
C172D	MIST ELIMINATOR		
C184M	MIST ELIMINATOR		
C187X	PANEL CLEANER BAGHOUSE		
C188A	2 CYCLONIC SEPARATORS		
C189A	CYCLONIC SEPARATOR		
C191A	SCRUBBER (TEMPERING OIL APPLIC)		
C193	DIE FORM KILN RTO		
C200	CHIPPER BAGHOUSE		
C200A	WOODYARD CYCLONE		
C200B	LINE I CHIP CYCLONE		
C200C	LINE I CHIP BAGHOUSE		
C200D	LINE II CHIP CYCLONE		
C203C	BOOTH 2 CYCLONIC SEPARATOR		

**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
C203D	BOOTH 2 FABRIC COLLECTOR		
COND	LINE II PRESS STEAM CONDENSER		
CYC01	AIR DENSITY SEPERATOR - CYCLONE		
CYC02	WET FUEL PREPARATION AREA - CYCLONE		
CYC03	BOILER STOKER FEED SYSTEM - CYCLONE		
D01	1ST STAGE DRYER CYCLONES (4)		
D10	SCRUBBER 5		
D21	#1 & #2 CYCLONES (LINE 1)		
D23	#3, SCALPER & RECLAIM CYCLONES (LINE 1)		
D25	#4 AND #5 CYCLONES (LINE 1)		
D41	WET SCRUBBER A (LINE 1)		
D42	WET SCRUBBER B (LINE 1)		
D43	WET SCRUBBER C (LINE 1)		
D71	PRETRIM (LINE 1) CYCLONE		
D81	SCRUBBER 9		
D82	LAP SIDING WOODWORKING BAGHOUSE		
D83	COATING 1 WOODWORKING BAGHOUSES		
D84	DIE FORM T&E BAGHOUSE		
D85	CYCLONIC SEPARATORS (DIE FORM COATING)		
D96	LAP SIDING LINE COATING BAGHOUSE		
E01	1ST STAGE DRYER CYCLONES (4) LINE 2		
E10	SCRUBBER 6		
E21	#1 & #2 CYCLONES (LINE 2)		
E23	#3 & RECLAIM CYCLONES (LINE 2)		
E25	#4 & #5 CYCLONES (LINE 2)		
E41	WET SCRUBBER A (LINE 2)		
E42	WET SCRUBBER B (LINE 2)		
E43	WET SCRUBBER C (LINE 2)		
E61	SCRUBBER 4		
E62	LINE 2 VENTURI SCRUBBER		
E71	PRE TRIM (LINE 2) CYCLONE		
ESP01	#3 BOILER ESP		
H87	SANDER BAGHOUSE		
H88	DIE FORM VENTURI		
H89	BRUSH MACHINE & TWO-SIDE SANDER FABRIC COLLECTOR		
K01	FEED CYCLONE (DIEFORM)		
K06	FELTER CYCLONE (DIEFORM)		
K12	DIE FORM FELTER SCRUBBER		
N51	SILO RECEIVING CYCLONE		
N52	SILO CYCLONE		

**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
N62	SILO BAGHOUSE		
RTO01	TEMPERING KILN RTO (LINE 1)		
SNCR01	SNCR UNIT		
FM01	SILO AREA - WOOD STORAGE		
FM02	PROPANE STORAGE		
FM03	NATURAL GAS PIPELINE		
FM04	FUEL OIL/DIESEL FUEL TANKS		
FM05	WET WOOD FUEL		
S02	LAP SIDING COATING BAGHOUSE STACK		
S03	COATING 1 BAGHOUSE STACK		
S04	COATING 1 BAGHOUSE STACK		
S07	DIE FORM COATING BAGHOUSE STACK		
S08	ESP STACK		
S09	RTO STACK (LINE 1 TEMPERING)		
S099	HEATER STACKS		
S110A	BAGHOUSE STACK		
S110B	BAGHOUSE STACK		
S110C	SECONDARY HOG STACK		
S141	LINE I FS DRYERS RTO STACK		
S142	LINE II FS DRYERS RTO STACK		
S155	QUENCH BIN CYCLONE STACKS		
S164C	FABRIC COLLECTOR STACK		
S171	LINE I PRESS STACK		
S172	LINE II PRESS STACK		
S174	DIE AND PLATE CLEANING FUG EMISS		
S184A	DIE FORM PRESS STACK		
S187	OVEN EXHAUSTS		
S187H	DIE FORM CONVEYOR HOODS		
S187X	PANEL CLEANER BH STACK		
S188C	COATING 1 CONVEYOR HOODS		
S188D	COATING 1 SPRAY HUMIDIFICATION STACK		
S188H	COATING 1 OVEN EXHAUSTS		
S189	SIDING LINE OVEN EXHAUSTS		
S189H	CONVEYER HOODS		
S191A	SCRUBBER STACK (LINE 1 TEMPERING)		
S191C	HOODS EXHAUSTS		
S193	DIE FORM KILN RTO STACK		
S200	CHIPPER BAGHOUSE STACK		
S200C	LINE I CHIP BAGHOUSE STACK		
S200D	LINE II CHIP CYCLONE STACK		

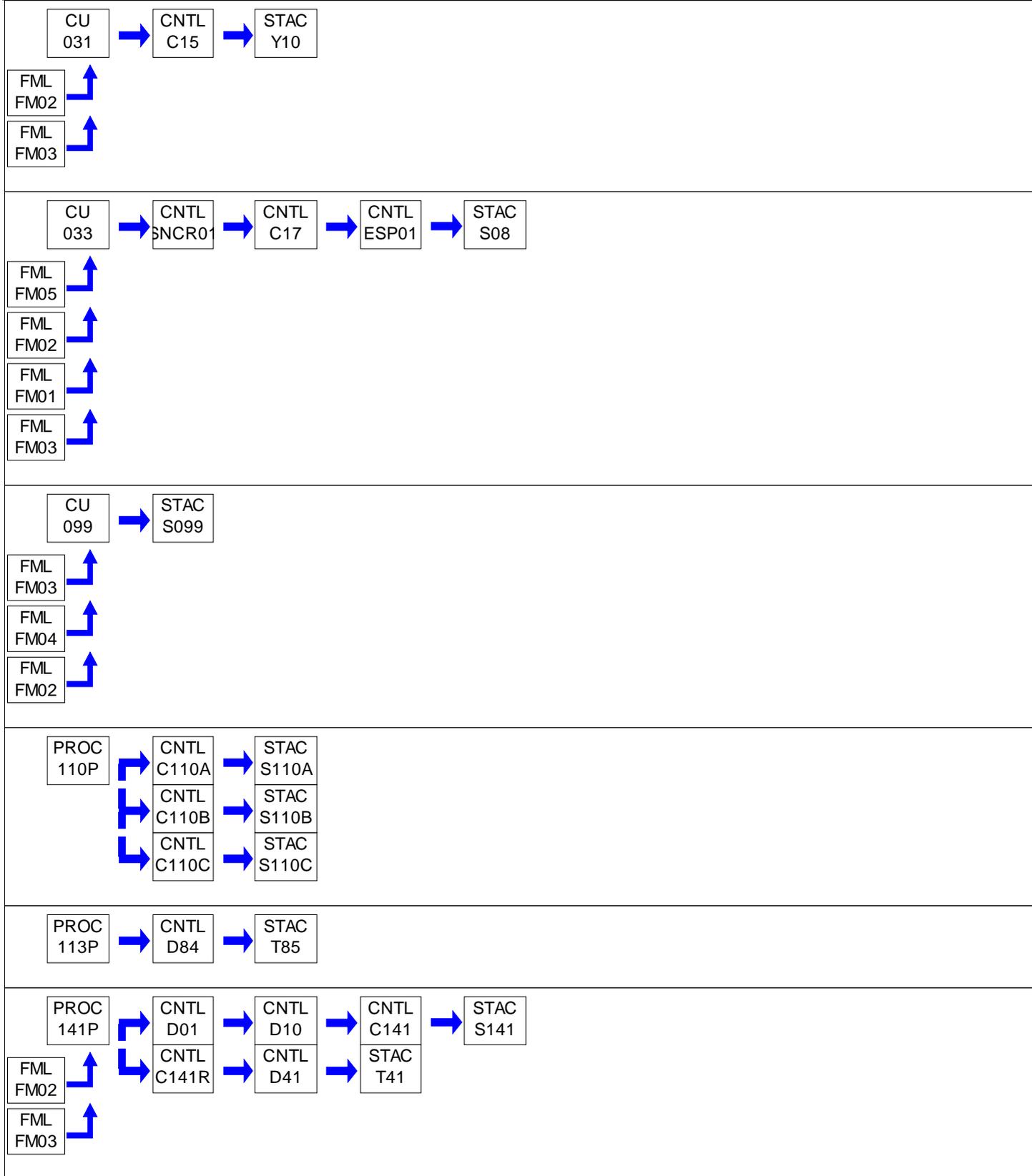
**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
S203A	PREHEAT IR OVEN STACK		
S203B	FABRIC COLLECTORS STACK		
S203C	HVHA OVEN 1 STACKS		
S203D	HVHA OVEN 2 STACKS		
S203E	FINAL IR OVEN STACK		
S203F	CONVEYOR HOOD STACK		
S203G	FINAL IR EXIT HOOD STACK		
S300	ENGINE STACKS		
S400	TANK EMISSIONS		
S87	SANDER BAGHOUSE STACK		
S89	BRUSH MACINE AND TWO SIDE SANDER FABRIC COLLECTOR STACK		
ST011	COATED FUEL SILO STACK		
ST012	METERING BIN STACK		
ST013	AIR DENSITY SEPARATOR ST		
ST014	WET FUEL PREP STACK		
ST015	BOILER STOKER FEED ST		
ST016	OVERFEEED, MIXED FUEL		
T41	WET SCRUBBER A STACK		
T42	WET SCRUBBER B STACK		
T43	WET SCRUBBER C STACK		
T81	SCRUBBER 9 STACK		
T82	LAP SIDING WOODWORKING BAGHOUSE STACK		
T84	COATING 1 WOODWORKING BAGHOUSE STACKS		
T85	DIE FORM T&E BAGHOUSE STACK		
U02	OIL APPLICATION HOOD STACK		
U41	WET SCRUBBER A STACK (LINE 2)		
U42	WET SCRUBBER B STACK (LINE 2)		
U43	WET SCRUBBER C STACK (LINE 2)		
V193	ROOF VENTS		
X12	WET SCRUBBER STACK (DIE FORM)		
X62	SILO BAGHOUSE STACK		
Y10	BOILER 1 STACK		
Z01	FUGITIVE VOC EMISSIONS		
Z02	FUGITIVE PM EMISSIONS		
Z200	WOODYARD FUGITIVES		

**PERMIT MAPS**

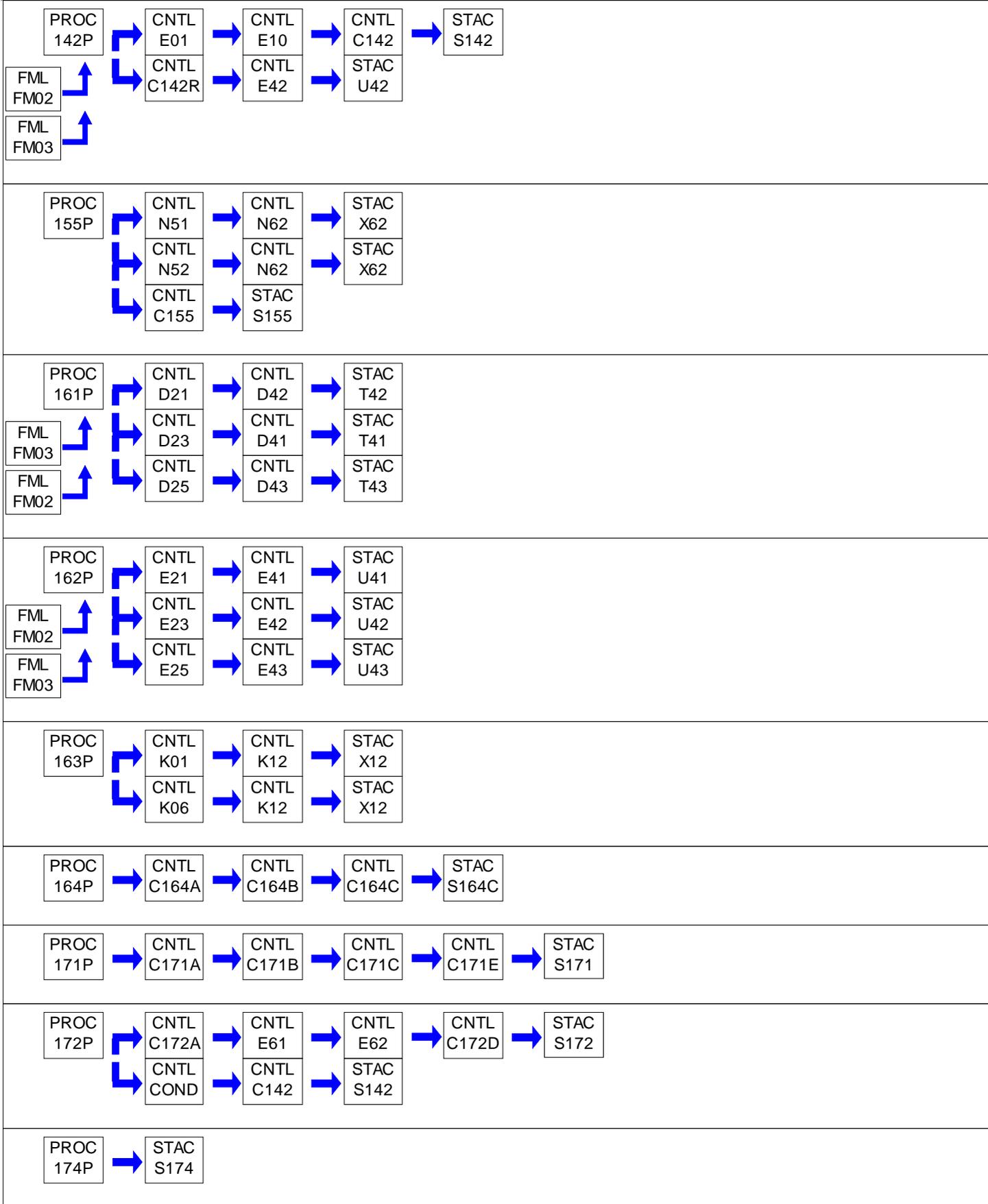


PERMIT MAPS



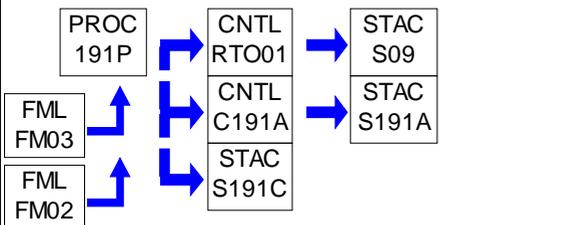
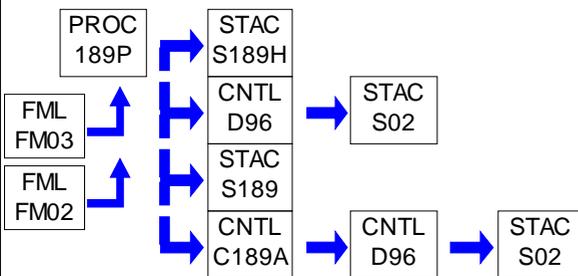
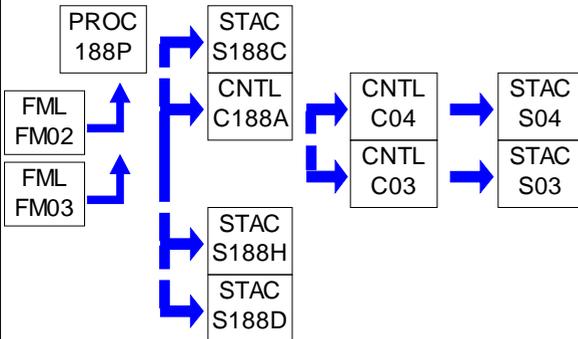
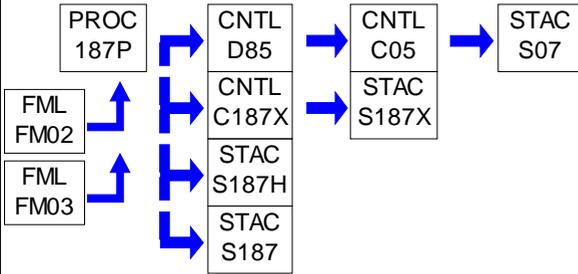
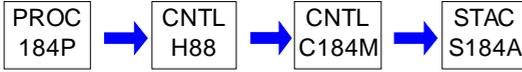
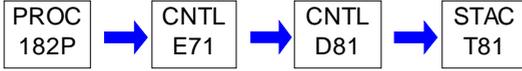
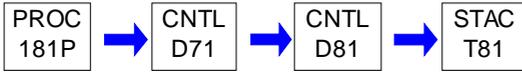


PERMIT MAPS



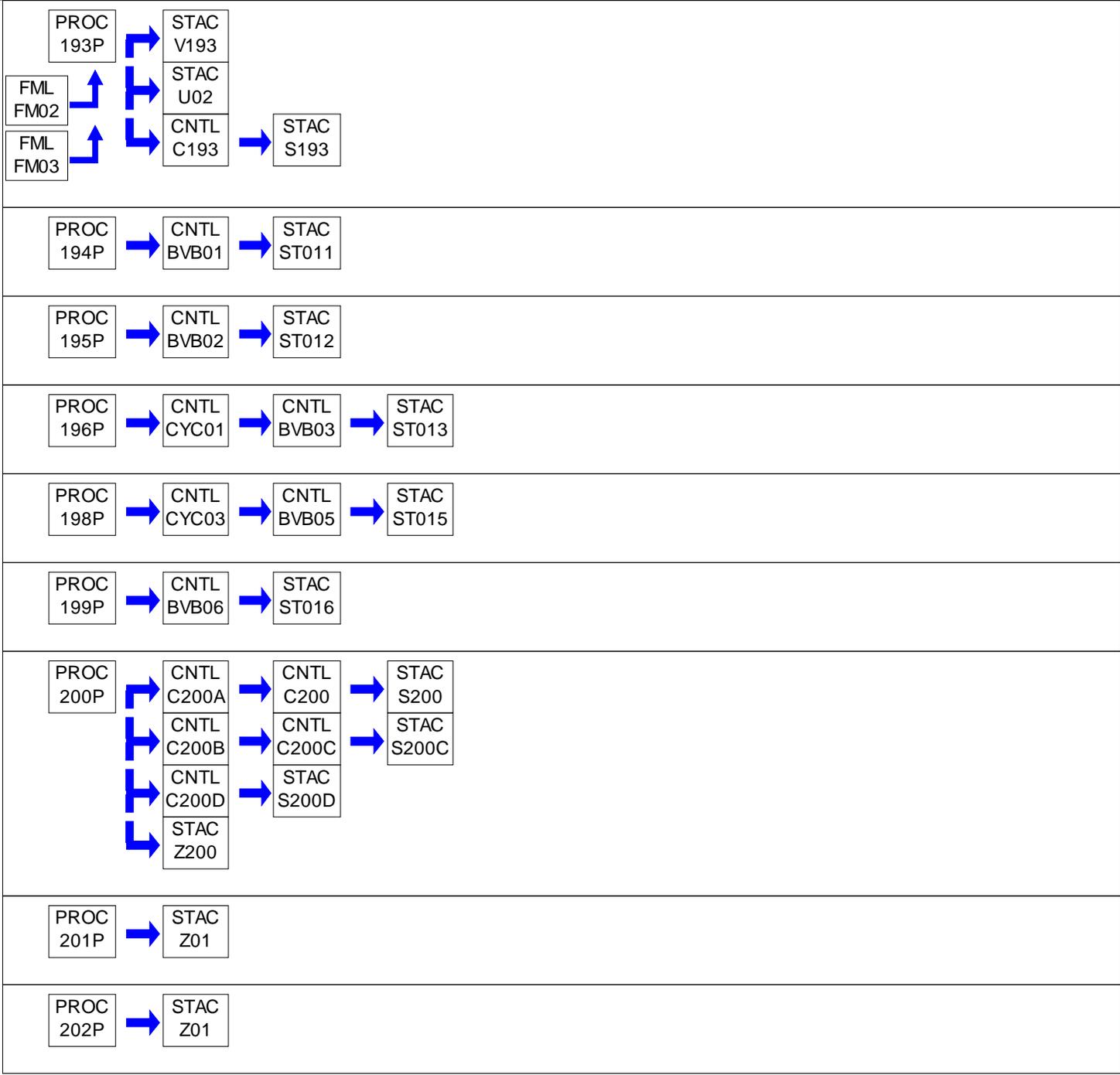


PERMIT MAPS



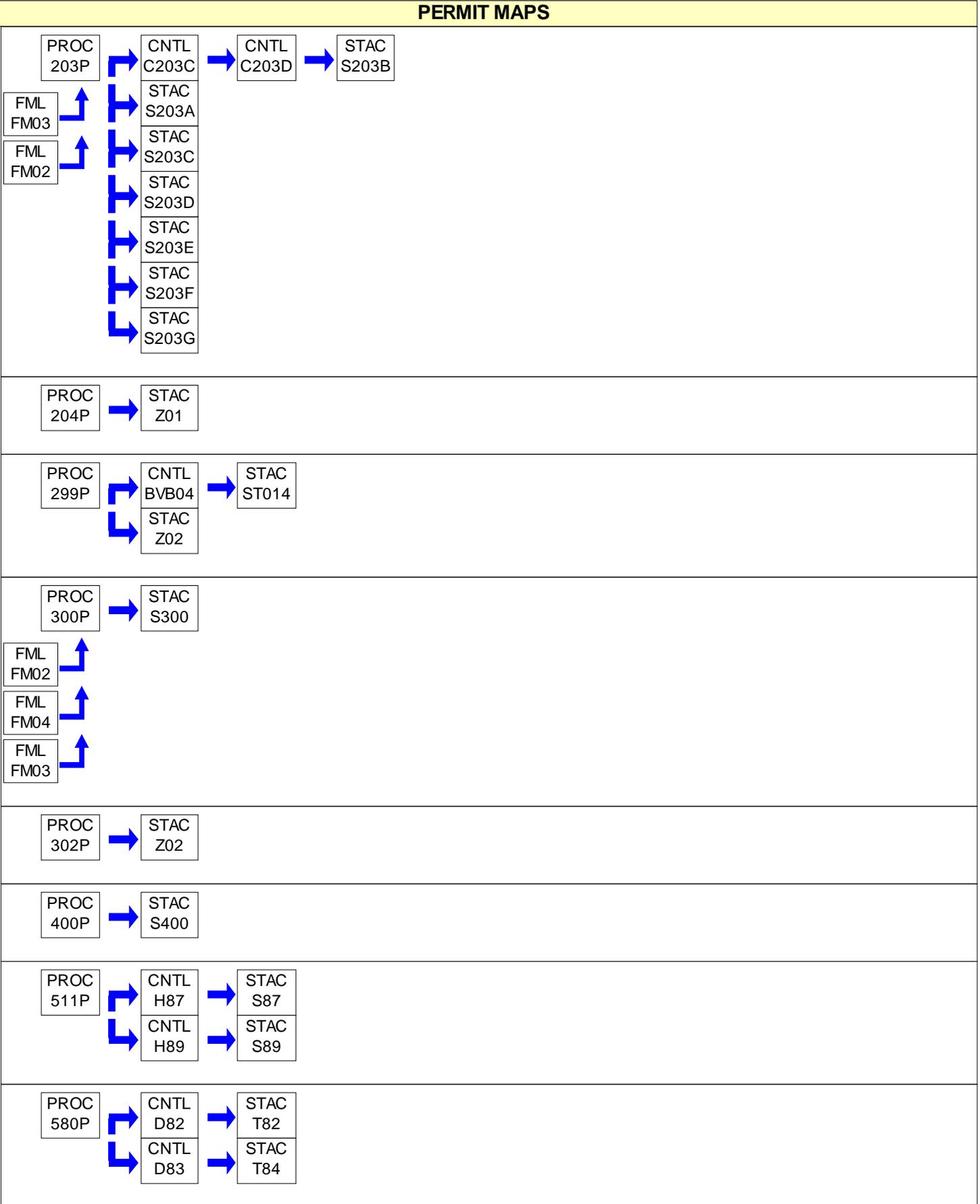


PERMIT MAPS





### PERMIT MAPS





**PERMIT MAPS**

PROC  
600P



STAC  
Z01

**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 Air Pollution Control Act (35 P.S. §§ 4001-4015).

**#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 NO<sub>x</sub> from a single source during the term of the permit and 5 tons of NO<sub>x</sub> 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 PM<sub>10</sub> from a single source during the term of the permit and 3.0 tons of PM<sub>10</sub> 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 shall not permit the emission of fugitive air contaminants into the outdoor atmosphere from a source other than the following:

- (1) Construction or demolition of buildings or structures.
- (2) Grading, paving and maintenance of roads and streets.
- (3) 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.
- (4) Clearing of land.
- (5) Stockpiling of materials.
- (6) Open burning operations.
- (7) Blasting in open pit mines. Emissions from drilling are not considered emissions from blasting.
- (8) Sources and classes of sources other than those identified above, for which the permittee has obtained a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements:

- (a) The emissions are of minor significance with respect to causing air pollution.
- (b) The emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

**# 002 [25 Pa. Code §123.2]****Fugitive particulate matter**

The permittee shall not permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in (1) through (8) of condition #001 herein, if the emissions are visible at the point the emissions pass outside the permittee's property.

**# 003 [25 Pa. Code §123.41]****Limitations**

The permittee shall not permit the emission of visible air contaminants into the outdoor atmosphere 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.

**# 004 [25 Pa. Code §123.42]****Exceptions**

The emission limitations of 25 Pa Code Section 123.41 shall not apply when:

- (1) The presence of uncombined water is the only reason for failure of the emission to meet the limitations;
- (2) The emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions;
- (3) The emission results from sources specified in (1) through (8) of condition #001 herein.

**II. TESTING REQUIREMENTS.****# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall conduct tests which demonstrate through Method 24 of 40 CFR Part 60 and 25 Pa. Code Chapter 139 of the volatile organic compound content of each coating and solvent used at the facility.

OR

The permittee shall maintain documentation (certified product data sheets, CPDS) from the supplier/manufacturer which certifies the volatile organic compound content of each coating and solvent used at the facility.

**# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

**SECTION C. Site Level Requirements**

(1) At least 60 days prior to the performance of any testing required herein, the permittee shall submit a printed copy and an electronic copy in pdf format of a pretest protocol to the Northcentral Regional Air Program Manager (Department of Environmental Protection, 208 West Third Street, Suite 101, Williamsport, PA 17701) and to the Source Testing Section Program Manager (Division of Source Testing and Monitoring, Department of Environmental Protection, Rachel Carson State Office Building, 400 Market Street, Harrisburg, PA 17105) for review. This pretest protocol shall contain the specific testing and analytical procedures to be used in performing the testing. The protocol shall be accompanied by dimensional drawings showing the ductwork, fans, exhaust stacks, as well as the locations of all proposed sampling ports.

(2) The Department shall be given at least 10 days advance notice of the specific dates and times for the performance of any stack testing required by this permit in order that Department personnel can arrange to be present. The Department is under no obligation to accept the results of any testing performed without adequate notice having been given to the Department.

**# 007 [25 Pa. Code §139.1]****Sampling facilities.**

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

**# 008 [25 Pa. Code §139.11]****General requirements.**

(1) As specified in 25 Pa. Code Section 139.11(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) As specified in 25 Pa. Code Section 139.11(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:

- (a) A thorough source description, including a description of any air cleaning devices and the flue.
- (b) Process conditions, for example, the charging rate of raw materials or the rate of production of final product, boiler pressure, oven temperature and other conditions which may effect emissions from the process.
- (c) The location of sampling ports.
- (d) Effluent characteristics, including velocity, temperature, moisture content, gas density (percentage CO, CO<sub>2</sub>, O<sub>2</sub> and N<sub>2</sub>), static and barometric pressures.
- (e) 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.
- (f) Laboratory procedures and results.
- (g) Calculated results.

**III. MONITORING REQUIREMENTS.****# 009 [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 certified, to measure plume opacity with the naked eye or with the aid of any devices approved by the Department.

**IV. RECORDKEEPING REQUIREMENTS.****# 010 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain documentation from the supplier/manufacturer (certified product data sheets, CPDS) or otherwise through tests conducted which certifies through Method 24 of 40 CFR Part 60 and 25 Pa. Code Chapter 139 of the volatile organic compound content of the coatings and solvents used at the facility. This documentation shall be used to verify compliance with the volatile organic compound emission limitations from the coating operations and for each coating system. All records generated pursuant to this condition shall be retained for a minimum of five (5) years and shall be

**SECTION C. Site Level Requirements**

made available to the Department upon request.

**# 011 [25 Pa. Code §129.95]****Recordkeeping**

The permittee shall maintain accurate and comprehensive records of the quantities and volatile organic compound contents of all volatile organic compound-containing materials applied in the pre press sealer application stations identified in Section G, item (G) herein, on a monthly basis. All records generated pursuant to this condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

**# 012 [25 Pa. Code §135.5]****Recordkeeping**

The permittee shall maintain such records including computerized records that may be necessary to comply with 25 Pa. Code Sections 135.3 and 135.21. 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.

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

**V. REPORTING REQUIREMENTS.****# 013 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Upon request by the Department, the permittee shall submit all requested reports in accordance with the Department's suggested format.

**# 014 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Within 60 days following the completion of any testing required herein, the permittee shall submit a printed copy and an electronic copy in pdf format of a test report to the Northcentral Regional Air Program Manager (Department of Environmental Protection, 208 West Third Street, Suite 101, Williamsport, PA 17701) and the Source Testing Section Program Manager (Division of Source Testing and Monitoring, Department of Environmental Protection, Rachel Carson State Office Building, 400 Market Street, Harrisburg, PA 17105) for review. The report shall contain the results of the testing (expressed in units that easily verify compliance with permit conditions), a description of the testing and analytical procedures actually used, all operating data collected during the tests, a copy of the raw data and a copy of the calculations generated during the data analysis.

**# 015 [25 Pa. Code §127.442]****Reporting requirements.**

- (1) 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.
- (2) 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.
- (3) The report shall describe the following:

- (a) name, permit or authorization number, and location of the facility,
- (b) nature and cause of the malfunction, emergency or incident,
- (c) date and time when the malfunction, emergency or incident was first observed,

**SECTION C. Site Level Requirements**

- (d) expected duration of excess emissions,
- (e) estimated rate of emissions,
- (f) corrective actions or preventative measures taken.

(4) Any malfunction, emergency or incident of excess emissions that is not subject to the notice requirements of paragraph (2) 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 (3), and any permit specific malfunction reporting requirements.

(5) 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 (2) through (4), as applicable, including any permit specific malfunction reporting requirements.

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

(7) 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.

**# 016 [25 Pa. Code §135.21]****Emission statements**

(1) The permittee shall provide the Department with a statement of each stationary source in a form as prescribed by the Department, showing the actual emissions of oxides of nitrogen (NOx) and volatile organic compounds (VOCs) from the permitted facility for each reporting period, a description of the method used to calculate the emissions and the time period over which the calculation is based.

(2) The annual emission statements are due by March 1 for the preceding calendar year and shall contain a certification by a company officer or the plant manager that the information contained in the statement is accurate. The Emission Statement shall provide data consistent with requirements and guidance developed by the EPA.

(3) The Department may require more frequent submittals if the Department determines that one or more of the following applies:

(a) A more frequent submission is required by the EPA.

(b) Analysis of the data on a more frequent basis is necessary to implement the requirements of the Air Pollution Control Act.

**VI. WORK PRACTICE REQUIREMENTS.****# 017 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

The permittee shall take all reasonable actions to prevent particulate matter from becoming airborne from any source specified in (1) through (8) of condition #001 herein. These actions shall include, but not be limited to, the following:

(1) 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.

(2) Application of asphalt, oil, or suitable chemicals on dirt roads, material stockpiles and other surfaces which may give rise to airborne dusts.

(3) Paving and maintenance of roadways.

(4) 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.

**VII. ADDITIONAL REQUIREMENTS.****# 018 [25 Pa. Code §121.7]****Prohibition of air pollution.**

The permittee shall not permit air pollution as that term is defined in the Pennsylvania Air Pollution Control Act (35 P.S. Sections 4001 through 4015).

**# 019 [25 Pa. Code §123.31]****Limitations**

The permittee shall not permit the emission of any malodorous air contaminants into the outdoor atmosphere from any

**SECTION C. Site Level Requirements**

source in such a manner that the malodors are detectable outside the property of the permittee on whose land the source is being operated.

**# 020 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The Line 2 tempering operation shall not be operated at all or emit any air contaminants.

**# 021 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

This operating permit (TVOP 08-00003) also serves as a Prevention of Significant Deterioration (PSD) permit issued to this facility pursuant to the provisions of 40 CFR Section 52.21.

**# 022 [25 Pa. Code §129.14]****Open burning operations**

The permittee shall not permit the open burning of material at this facility unless in accordance with 25 Pa. Code Section 129.14.

**# 023 [25 Pa. Code §129.91]****Control of major sources of NOx and VOCs**

This operating permit incorporates Reasonably Available Control Technology (RACT) determinations as required by the provisions of Title I of the Clean Air Act Amendments and 25 Pa. Code Sections 129.91 through 129.95 for the following:

- (1) a Motala hardboard press (Line 1)
- (2) a Washington Iron Works 12-opening trimboard press (Line 2)
- (3) a Motala hardboard press (Die Form)
- (4) four Line 1 first stage boiler flue gas-heated fiber dryers and four Line 1 second stage steam-heated fiber dryers
- (5) four Line 2 first stage boiler flue gas-heated fiber dryers and four Line 2 second stage 18.0 million Btu per hour natural gas-fired fiber dryers
- (6) five natural gas-fired combustion sources (one source with a heat input of 12.0 million Btu per hour and four sources each with heat inputs of 15.0 million Btu per hour) that serve as backup heat or supplementary heat sources for the Line 1 fiber dryers identified in (5) herein
- (7) Line 1 tempering operation consisting of a linseed oil application station and a natural gas fired kiln
- (8) Line 2 tempering operation consisting of a linseed oil application station and a natural gas fired kiln
- (9) Die Form tempering operation consisting of a linseed oil application station and a natural gas fired kiln
- (10) a surface coating operation associated with Line I consisting of 3 spray booths used to coat hardboard doorfacing panels as well as 5 associated infrared ovens and 3 high velocity hot air natural gas and/or propane-fired ovens
- (11) the Die Form coating operation consisting of two paint spray booths (designated #1 and #2) which operate in conjunction with the following: (a) backsander, (b) panel cleaner, (c) board cooler, (d) board cooler 1, (e) board cooler 2, (f) board cooler 3, (g) board cooler 4, (h) board cooler 5, (i) wetting booth 1, (j) wetting booth 2, (k) blow-off booth, (l) infrared preheat oven, (m) #1 infrared oven, (n) #2 infrared oven and (o) #3 infrared oven.
- (12) a lap siding surface coating operation consisting of an I.R. Preheat Oven, No. 1 spray booth, Edge coater, DRC coater, HVHA oven No. 1, No. 2 spray booth, DRC coater (Optional Use), HVHA oven No. 2, No. 3 spray booth, HVHA Oven No. 3 and Final I.R. Oven
- (13) three pre press sealer application stations associated with the Line I, Line II and Die Form presses (one sealer per press)
- (14) a Basic Environmental Engineering, Inc. model 6000 woodwaste incinerator
- (15) resin storage tanks
- (16) a woodyard consisting of a log storage area, chipper, chip truck dumper and chip storage piles
- (17) a residual waste landfill containing waste wood fiber
- (18) five Jet-a-Mark Printers
- (19) boiler steam vents
- (21) humidifiers and coolers consisting of the following sources: No. 1 kiln spray humidification, No. 2 kiln cooler and the die form humidifier
- (21) fork truck and miscellaneous painting operations
- (22) die cleaning areas
- (23) parts cleaners

**SECTION C. Site Level Requirements**

- (24) gasoline and diesel storage tanks  
 (25) process wastewater treatment and spray irrigation systems

**# 024 [25 Pa. Code §129.91]****Control of major sources of NOx and VOCs**

The expiration date shown in this permit is for state purposes. For Federal enforcement purposes the conditions of this operating permit which pertain to the implementation of RACT regulations shall remain in effect as part of the State Implementation Plan (SIP) until replaced pursuant to 40 CFR Part 51 and approved by the U. S. Environmental Protection Agency (EPA).

**# 025 [25 Pa. Code §129.91]****Control of major sources of NOx and VOCs**

The potential to emit volatile organic compounds from each of the source categories identified below shall not exceed 3 pounds per hour, 15 pounds per day or 2.70 tons in any 12 consecutive month period (as determined by the Department). Should any of these limitations ever be exceeded, a detailed RACT analysis which meets the criteria specified in 25 Pa. Code Section 129.92 must be submitted to the Department.

- (1) three pre press sealer application stations associated with the Line 1, Line 2 and Die Form presses (one sealer per press), identified in Section G, item (G)  
 (2) boiler steam vents, identified in Section G, item (O)  
 (3) humidifiers and coolers consisting of the following sources: No. 1 kiln spray humidification, No. 2 kiln cooler and the die form humidifier, identified in Section G, item (H)  
 (4) fork truck and miscellaneous painting operations, identified in Section G, item (B)  
 (5) die cleaning areas, identified in Source ID 174P  
 (6) parts cleaners, identified in Section G, item (A)  
 (7) gasoline and diesel storage tanks, identified in Source ID 400P and Appendix C

**# 026 [25 Pa. Code §129.91]****Control of major sources of NOx and VOCs**

The woodwaste incinerator (a Basic Environmental Engineering, Inc. model 6000 woodwaste incinerator) shall never operate.

**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 \*\*\***

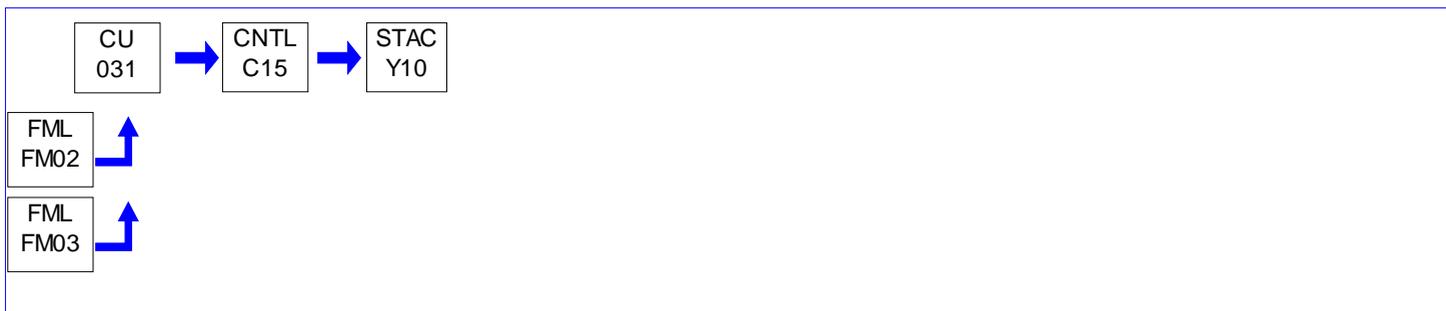
**SECTION D. Source Level Requirements**

Source ID: 031

Source Name: UNION IRON WORKS (BOILER 1)

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 9

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.11]****Combustion units**

The permittee shall not permit the emission of particulate matter into the outdoor atmosphere from Source ID 031 in excess of the following:

- (1) The rate of 0.4 pound per million Btu of heat input, when the heat input to Source ID 031 is greater than 2.5 million Btu per hour but less than 50 million Btu per hour.
- (2) The rate determined by the following formula when the heat input to Source ID 031 is greater than 50 million Btu per hour:

$$A = 3.6E^{-0.56}$$

where:

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

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

**# 002 [25 Pa. Code §123.22]****Combustion units**

The permittee shall not permit the emission of sulfur oxides (SOx), expressed as SO<sub>2</sub>, into the outdoor atmosphere from the exhaust of Source ID 031 in excess of the rate of 4 pounds per million Btu of heat input over any 1-hour period.

**# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

- (1) Source ID 031 shall not emit nitrogen oxides (NOx, expressed as NO<sub>2</sub>) at a rate in excess of 0.135 pounds per million BTU of heat input nor shall its total nitrogen oxides emissions exceed 4.87 tons in any 12 consecutive month period.
- (2) Source ID 031 shall not emit volatile organic compounds at a rate in excess of 0.05 pounds per million BTU of heat input nor shall its total volatile organic compound emissions exceed 1.80 tons in any 12 consecutive month period.

Compliance with this permit condition also ensures compliance with 25 Pa. Code Sections 129.91 through 129.95.

**Fuel Restriction(s).****# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall only fire natural gas or propane in Source ID 031.

**SECTION D. Source Level Requirements****Operation Hours Restriction(s).****# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from the permittee requesting this restriction in correspondence received by the Department on May 24, 2013.]

The average annual capacity factor, as defined in 40 CFR 63.7575, of Source ID 031 shall not exceed 10% in any 12 consecutive month period.

**II. TESTING REQUIREMENTS.****# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(1) By no later than November 30, 2018, the permittee shall perform stack testing on Source ID 031 to determine the emission of nitrogen oxides (NO<sub>x</sub>, expressed as NO<sub>2</sub>). All testing shall be performed while the source is operating at its normal maximum rate of production.

(2) At least 60 days prior to the performance of any testing required herein, the permittee shall submit a printed copy and an electronic copy in pdf format of a pretest protocol to the Northcentral Regional Air Program Manager (Department of Environmental Protection, 208 West Third Street, Suite 101, Williamsport, PA 17701) and to the Source Testing Section Program Manager (Division of Source Testing and Monitoring, Department of Environmental Protection, Rachel Carson State Office Building, 400 Market Street, Harrisburg, PA 17105) for review. The protocol shall describe the test methods and procedures to be used in the performance of testing, and shall include dimensioned sketches of the exhaust system showing the locations of all proposed sampling ports. The protocol shall also identify all process data which will be monitored and recorded during the performance of testing.

(3) At least 10 days prior to the performance of any testing required herein, the permittee shall notify the Department of the actual date(s) and time(s) that testing will occur so that Department personnel can arrange to be present during testing. The Department is under no obligation to accept the results of any testing performed without proper notification having first been given.

**# 007 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

If at any time the use of Source ID 031 exceeds an annual capacity factor of 10% during any 12 consecutive month period, the permittee shall perform nitrogen oxides stack testing on Source ID 031 the following year. It is not the intent of this condition to require such testing more than once per five-year permit term.

**III. MONITORING REQUIREMENTS.****# 008 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(1) The natural gas and propane usage for Source ID 031 shall be continuously monitored and recorded monthly.  
 (2) The emission calculations shall utilize the natural gas and propane usages to determine combustion related emission rates by using company initiated, and Department approved stack test derived emission factors or EPA FIRE emission factors when stack test derived emission factors are not available.

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

**IV. RECORDKEEPING REQUIREMENTS.****# 009 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The submission of annual or semi-annual reports required by Subpart DDDDD of the National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters, 40 CFR Sections 63.7480 through 63.7575, or required by any other applicable section specified in the National Emission Standards for Hazardous Air Pollutants, must be made to both the Department of Environmental Protection and electronically to the Environmental Protection Agency. The electronic reports must be submitted using the subpart specific reporting form in the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through EPA's Central

**SECTION D. Source Level Requirements**

Data Exchange (CDX) ([www.epa.gov/cdx](http://www.epa.gov/cdx)). However, if the reporting form specific to this subpart is not available in CEDRI at the time that the report is due, the written report must be submitted to the EPA e-mail address and Administrator postal address listed below.

The submission of all other requests, applications submittals and other communications required by Subpart DDDDD of the National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters, 40 CFR Sections 63.7480 through 63.7575, or required by any other applicable section specified in the National Emission Standards for Hazardous Air Pollutants, must be made to both the Department of Environmental Protection and the Environmental Protection Agency. The copies may be sent to:

R3\_Air\_Apps\_and\_Notices@epa.gov

And

Pennsylvania Department of Environmental Protection  
Air Quality Program Manager  
208 W. Third Street, Suite 101  
Williamsport, PA 17701

**# 010 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain accurate and comprehensive records of supporting calculations used to verify compliance with the nitrogen oxide (NO<sub>x</sub>, expressed as NO<sub>2</sub>) and volatile organic compound emissions limitations for Source ID 031. The calculations shall be used on a monthly basis to verify compliance with the nitrogen oxides (NO<sub>x</sub>, expressed as NO<sub>2</sub>) and volatile organic compound emissions limitations in any 12 consecutive month period for Source ID 031. All records generated pursuant to this condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

**# 011 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain accurate and comprehensive records of the following:

- (1) The total number of hours Source ID 031 is operated per month.
- (2) The total amount of natural gas and propane fired each month in Source ID 031.

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

**# 012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7525]****Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****What are my monitoring, installation, operation, and maintenance requirements?**

The permittee shall maintain accurate and comprehensive records of fuel use for the days Source ID 031 was operating. All records generated pursuant to this condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request. Additionally, these records shall be used to demonstrate compliance with the average annual capacity factor limitation established for Source ID 031.

**V. REPORTING REQUIREMENTS.****# 013 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Within 60 days following the completion of any testing required herein, the permittee shall submit a printed copy and an electronic copy in pdf format of a test report to the Northcentral Regional Air Program Manager (Department of Environmental Protection, 208 West Third Street, Suite 101, Williamsport, PA 17701) and the Source Testing Section Program Manager (Division of Source Testing and Monitoring, Department of Environmental Protection, Rachel Carson State Office Building, 400 Market Street, Harrisburg, PA 17105) for review. This test report shall contain the results of the testing, a description of

**SECTION D. Source Level Requirements**

the test methods and procedures actually used, copies of all raw test data with sample calculations and copies of all process data recorded during testing. The results of all testing shall be expressed in units (pounds per million Btu) which will allow direct comparisons to the emission limitation specified herein.

**# 014 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall submit to the Department quarterly reports containing records of the supporting calculations used to verify compliance with the 12 consecutive month nitrogen oxides (NO<sub>x</sub>, expressed as NO<sub>2</sub>) and volatile organic compound emission limitations for Source ID 031. This report shall be the 12 consecutive month emissions updated each month of the quarter within the respective reporting period by adding the emissions occurring during the most recent month and dropping the emissions from the corresponding month in the preceding year.

The quarterly reports shall be submitted to the Department on March 1 (from January through December of the previous year), June 1 (from April of the previous year through March of the current year), September 1 (from July of the previous year through June of the current year) and December 1 (from October of the previous year through September of the current year).

**# 015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7545]****Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****What notifications must I submit and when?**

The permittee shall submit all notifications required by 40 CFR Sections 63.7(b) and (c), 63.8(e) and (f)(4) and (6), 63.9(b) through (h) that apply to Source ID 031 to the U.S. Environmental Protection Agency and the Department by the dates specified.

**# 016 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7550]****Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****What reports must I submit and when?**

No later than January 31, 2021, and every 5 years thereafter (i.e. January 31, 2026, January 31, 2031, etc.), the permittee shall submit a compliance report which contains the following information:

- (1) Company and facility name and address.
- (2) Process unit information, emissions limitations and operating parameter limitations.
- (3) Date of report and beginning and ending dates of the reporting period.
- (4) The total operating time during the operating period.
- (5) The date of the most recent tune-up, as well as the date of the most recent burner inspection if it was not done on a 5-year period and was delayed until the next scheduled or unscheduled unit shutdown.

**VI. WORK PRACTICE REQUIREMENTS.****# 017 [25 Pa. Code §129.97]****Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule.**

Source ID 031 shall be maintained and operated in accordance with the manufacturer's specifications and with good operating practices.

**# 018 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7540]****Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****How do I demonstrate continuous compliance with the emission limitations, fuel specifications and work practice standards?**

[Additional authority for this permit condition is derived from 40 CFR Sections 63.7510 and 63.7515]

No later than 180 days after the compliance date of January 31, 2016, the permittee shall conduct a performance tune-up of Source ID 031 every 5 years in accordance with subsections (1) through (7) of this condition. Each 5-year tune-up must be conducted no more than 61 months after the previous tune-up.

**SECTION D. Source Level Requirements**

- (1) As applicable, inspect the burner, and clean or replace any components of the burner as necessary (the permittee may delay the burner inspection until the next scheduled unit shutdown).
- (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 (the permittee may delay the burner inspection until the next scheduled unit shutdown).
- (4) Optimize total emissions of carbon monoxide. This optimization should be consistent with the manufacturer's specifications, if available, and with any nitrogen oxides (NO<sub>x</sub>, expressed as NO<sub>2</sub>) requirement to which the unit is subject.
- (5) Measure the concentrations in the effluent stream of carbon monoxide 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 carbon monoxide analyzer.
- (6) Maintain on-site and submit, if requested by the Department, a report containing the information in subsections (6)(a) through (6)(c) of this condition.
  - (a) The concentrations of carbon monoxide 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 Source ID 031.
  - (b) A description of any corrective actions taken as a part of the tune-up of Source ID 031.
  - (c) The type and amount of fuel used over the 12 months prior to the 5-year tune-up of Source ID 031.
- (7) If Source ID 031 is not operating on the required date for a tune-up, the tune-up must be conducted within 30 days of startup.

**VII. ADDITIONAL REQUIREMENTS.****# 019 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Source ID 031 (Boiler #1) is a natural gas/propane-fired Union Iron Works model VO boiler rated at 82.4 million Btu per hour. The air contaminant emissions from Source ID 031 shall be controlled by a Zurn Air Industries multiclone collector (Control Device ID C15).

**# 020 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Compliance determinations involving the short term (pounds per million BTU) nitrogen oxides emission limitations and the short term (pounds per million BTU) volatile organic compound emission limitations shall be based, in each instance, on the average of at least three individual stack test runs, to be performed using test methods and procedures which have been approved in advance by the Department.

**# 021 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7485]****Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****Am I subject to this subpart?**

Source ID 031 is subject to Subpart DDDDD of the National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Industrial Boilers and Process Heaters. The permittee shall comply with all applicable requirements specified in 40 CFR Sections 63.7480 through 63.7575. Pursuant to 40 CFR Section 63.7495, the compliance date for Subpart DDDDD is January 31, 2016.

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

**SECTION D. Source Level Requirements**

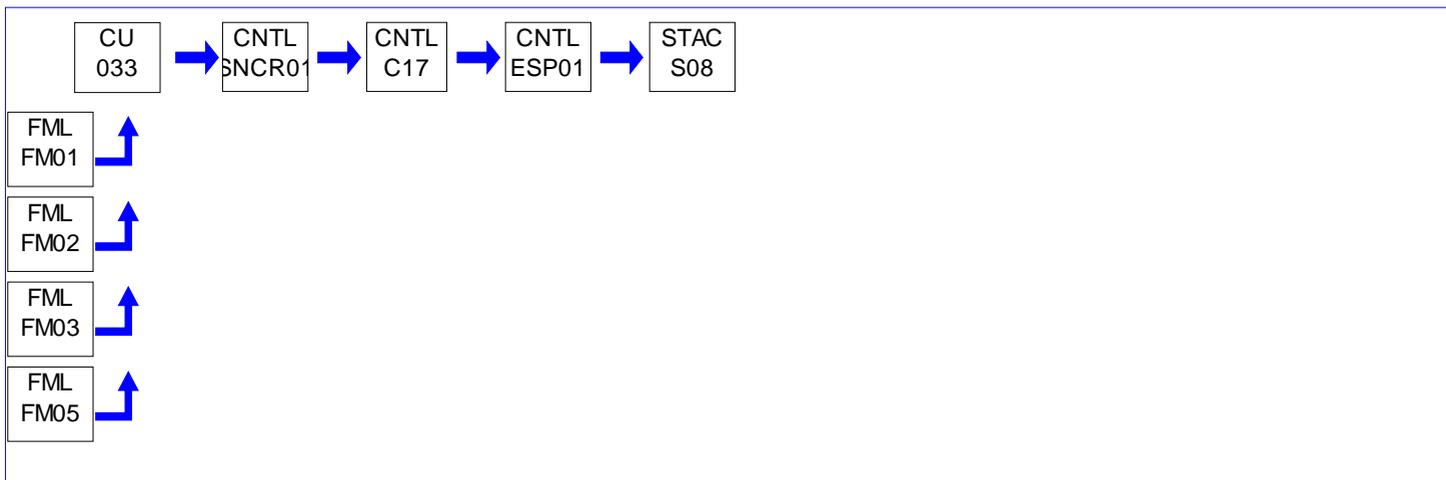
Source ID: 033

Source Name: B &amp; W BOILER (BOILER 3)

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 1

9

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code Sections 127.1 and 127.12]

The air contaminant emissions from Source ID 033 shall not exceed the following:

- (1) nitrogen oxides (NO<sub>x</sub>, expressed as NO<sub>2</sub>) - 141 ppmvd at 7% oxygen (30-day rolling average).
- (2) carbon monoxide - 430 ppmvd at 7% oxygen (30-day rolling average) and 344.7 tons in any 12 consecutive month period.
- (3) volatile organic compounds (VOCs) - 0.0345 pounds per million Btu.
- (4) particulate matter - 0.043 pounds per million Btu and 44 tons in any 12 consecutive month period.
- (5) PM-10 (particulate matter less than 10 micrometers in effective aerodynamic diameter) - 0.024 pounds per million Btu and 24.5 tons in any 12 consecutive month period.
- (6) sulfur dioxide (SO<sub>x</sub>, expressed as SO<sub>2</sub>) - 0.0557 pounds per million Btu.
- (7) opacity - equal to or greater than 15% for a period or periods aggregating more than 3 minutes in any one hour or equal to or greater than 50% at any time.
- (8) ammonia - 20.0 ppmv.
- (9) hydrogen chloride - 0.035 pounds per million Btu (12 month rolling average based on fuel analysis) and 35.8 tons in any 12 consecutive month period.
- (10) mercury - 3.34<sup>-06</sup> pounds per million Btu (12 month rolling average based on fuel analysis) and 6.8 pounds in any 12 consecutive month period.

Source ID 033 need not comply with the particulate matter (pounds per Btu only) and opacity emission limitations listed above during any occasion when Source ID 033 and the associated electrostatic precipitator are being purged. However, during those times the particulate matter and opacity limitations of 25 Pa. Code Sections 123.11 and 123.41 must be met.

Compliance with this condition also ensures compliance with 25 Pa. Code Sections 123.11, 123.22 and 123.41, as well as 40 CFR Part 60 Sections 60.43b(c)(1), 60.43b(f) and 60.44b(d).

**# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR Section 60.43b(f)]

**SECTION D. Source Level Requirements**

The opacity of the Source ID 033 exhaust shall not be greater than 20% (six-minute average), except for one six-minute period per hour of not more than 27%.

**# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

Supplemental off-site wood fired in Source ID 033 shall not contain chlorinated materials or sulfur containing materials. The firing of coated wood shall be limited to that generated by the permittee. Those doorskins returned from customers shall be dry, shall not have been treated by the customer with any additives, primers or other coatings, and their surfaces shall be free from any foreign materials. In practical terms, the doorskins shall be returned in the same condition they were shipped. No pressure treated wood fuel shall be fired in Source ID 033.

**# 004 [25 Pa. Code §129.97]****Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule.**

The nitrogen oxides (NO<sub>x</sub>, expressed as NO<sub>2</sub>) emission limit for Source ID 33 shall be determined on a total heat input fuel weighted basis using the following equation:

$$EHI_{weighted} = (EngHI_{ng} + EwHI_{w}) / (HI_{ng} + HI_{w})$$

Where:

EHI<sub>weighted</sub> = The heat input fuel weighted multiple fuel emission limitation for the compliance period, expressed in units of measure consistent with the units of measure for the emission limitation.

Eng = The emission limit for natural gas during the compliance period, expressed in units of measure consistent with the units of measure for the emission limitation (0.10 pounds NO<sub>x</sub> per million Btu heat input).

HI<sub>ng</sub> = The total heat input for natural gas during the compliance period.

Ew = The emission limit for wood during the compliance period, expressed in units of measure consistent with the units of measure for the emission limitation (0.25 pounds NO<sub>x</sub> per million Btu heat input).

HI<sub>w</sub> = The total heat input for wood during the compliance period.

**Fuel Restriction(s).****# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Source ID 033 shall only be fired on a combination of wood and natural gas/propane or solely on natural gas/propane. Natural gas/propane shall be used to supplement wood fuel being fired in suspension in Source ID 033 in a manner that assures good combustion of all fuels.

**# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code Chapter 145, Subchapter A]

The heat input from natural gas and propane shall not exceed 50% of the annual heat input to Source ID 033.

**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.****# 007 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The natural gas and propane usage for Source ID 033 shall be continuously monitored and recorded. All records generated

**SECTION D. Source Level Requirements**

pursuant to this condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

**# 008 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(1) The permittee shall operate continuous emission monitoring systems (CEMS) for opacity, NOx and carbon monoxide. The CEMS shall be approved by the Department and operated and maintained in accordance with the requirements of 25 Pa. Code Chapter 139, the Federal Standards of Performance for New Stationary Sources (40 CFR Part 60), and the Department's Continuous Source Monitoring Manual as well as any other conditions or requirements which may be specified by the Department.

(2) The carbon monoxide monitoring system shall be capable of accurately monitoring and reporting carbon monoxide for Source ID 033 on both a parts per million (dry volume corrected to 7% oxygen) basis and a mass emission basis. The NOx monitoring system shall be capable of accurately monitoring and reporting NOx for Source ID 033 on both a parts per million (dry volume corrected to 7% oxygen) basis and a mass emission basis. The opacity monitoring system shall be capable of accurately monitoring and reporting opacity for Source ID 033 on an aggregating minute period in any one hour. The permittee shall use the data from the certified opacity CEMS to accurately monitor and report opacity for Source ID 033 on a six-minute average period.

(3) In terms of valid CEMS time, the permittee shall follow the "Operating Modes and Applicable CEMS" Table contained in correspondence from CraftMaster to the Department dated September 14, 2012 (attached to this permit).

(4) In terms of CEMS data substitution for mass emissions NOx and carbon monoxide CEMS to verify compliance with the annual NOx and carbon monoxide emission limits, invalid data shall be substituted with the 99.9% data substitution value (i.e., the average of the valid CEMS data generated during the quarter plus three standard deviations).

(5) Data substitution for invalid CEMS data during "idling," when Source ID 033 is firing 100% natural gas at low load, shall be the product of the concentration CEMS (CEMS ID 1929) converted to pounds per million Btu using the F-factor calculation of USEPA Method 19 and the heat input in million Btu per hour from the natural gas flow meter (CEMS ID 6917 and 7147). Data substituted in this manner shall be considered valid CEMS data.

(6) The data substitution value for invalid heat input data shall be the heat input from the previous valid hour with a greater than or equal steam flow. Data substitution for invalid heat input data during "idling" shall be from the natural gas flow meter (CEMS ID 6917 and 7147). Data substituted from the natural gas flow meter shall be considered valid CEMS data.

(7) The data substitution value for invalid heat input from natural gas data shall be the heat input from natural gas from the previous valid hour with a greater than or equal steam flow.

**# 009 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

A procedure using a continuously recording wood fuel meter and concurrent monitoring and recording of fuel heating value (or equivalent method as approved by the Department) shall be established in a manner that documents fuel input to Source ID 033. All records generated pursuant to this condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

**# 010 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from the compliance assurance monitoring (CAM) requirements of 40 CFR Section 64.6]

(1) The permittee shall measure the opacity of the Control Device ID ESP01 exhaust using the certified continuous opacity monitoring system (COMS). For boiler no. 3, the opacity shall not be equal to or greater than 15% for a period or periods aggregating more than 3 minutes in any 1 hour or equal to or greater than 50% at any time.

(2) Source ID 033 need not comply with the opacity limitation listed above during any occasion when or Source ID 033 and Control Device ID ESP01 are being purged. However, during those times the opacity limitation of 25 Pa. Code Section 123.41 must be met.

(3) Any parameter reading outside the allowable CAM (compliance assurance monitoring) range is defined as an excursion.

**# 011 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from the compliance assurance monitoring (CAM) requirements of 40

**SECTION D. Source Level Requirements**

CFR Section 64.6]

(1) The permittee shall measure the NO<sub>x</sub> emissions from Source ID 033 using the certified continuous emissions monitoring system (CEMS) for NO<sub>x</sub>. The NO<sub>x</sub> emissions shall not exceed the applicable NO<sub>x</sub> emission limits established in Title V operating permit 08-00003 or the most recent plan approval.

(2) Any parameter reading outside the allowable CAM range is defined as an excursion.

**# 012 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from the compliance assurance monitoring (CAM) requirements of 40 CFR Section 64.6]

The permittee shall conduct the monitoring and fulfill the other obligations (i.e., proper monitor maintenance, corrective action, etc.) specified in 40 CFR Section 64.7.

**# 013 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from the compliance assurance monitoring (CAM) requirements of 40 CFR Section 64.6]

The COMS and NO<sub>x</sub> CEMS shall follow the performance requirements as specified in 25 Pa. Code Chapter 139 Subchapter C, the Federal Standards of Performance for New Stationary Sources (40 CFR Part 60) and the Department's "Continuous Source Monitoring Manual."

**# 014 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The permittee shall utilize type K thermocouples, (or equivalent as determined in writing by the Department) in Source ID 033. The two thermocouple readings shall be averaged - average furnace temperature (AFT). The thermocouple readings shall be continuously recorded. All records generated pursuant to this condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request. In addition, the thermocouples shall be calibrated (in accordance with a Department approved method) annually.

**# 015 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The permittee shall manage and monitor the secondary voltages and rapping frequencies of Control Device ID ESP01 with the Eurocard Management System by Forry, Inc. Control Device ID ESP01 shall be operated in "Best Opacity Control" mode as specified by Forry, Inc. in the application materials submitted to the Department.

**# 016 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The permittee shall maintain instrumentation to continuously and accurately measure the pressure drop across Control Device ID C17 to ensure the device is operated and maintained in accordance with good air pollution control practices. The pressure drop shall be recorded at least once each day along with any corrective actions taken if the pressure drop is outside the multiclone's design pressure drop range. All records generated pursuant to this condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

**# 017 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The permittee shall maintain instrumentation to continuously and accurately measure the flow rate of NO<sub>x</sub>OUT-HP® (or equivalent effective reagent approved by the Department) reagent to Source ID 033. The permittee shall keep records of the NO<sub>x</sub>OUT-HP® injection rate (in gallons per hour) at least once every 15 minutes. All records generated pursuant to this condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

**IV. RECORDKEEPING REQUIREMENTS.**

**# 018 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

**SECTION D. Source Level Requirements**

[Additional authority for this permit condition is derived from the compliance assurance monitoring (CAM) requirements of 40 CFR Sections 64.6 and 64.9]

The permittee shall maintain accurate and comprehensive records to verify compliance with the opacity limit for Source ID 033 and records to verify compliance with the NOx emission limits for Source ID 033. In addition, the permittee shall maintain accurate and comprehensive records of monitor performance data (calibrations, monitor accuracy, monitor malfunctions, etc.) and corrective actions taken in the event of an excursion or exceedance from the required indicator limits or emission limits. All records generated pursuant to this condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

**# 019 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain accurate and comprehensive records of the type and heat input of wood fuel fired in Source ID 033 each month and shall accurately demonstrate, by monthly sampling and analysis, that all wood fuel types and mixtures of wood fuels burned would result in less than 0.035 pounds per million Btu of HCl emissions and less than 3.34(-06) pounds per million Btu of mercury emissions on a 12-month rolling average. Each monthly wood fuel sample shall also be analyzed for heat value. All records generated pursuant to this condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

**V. REPORTING REQUIREMENTS.****# 020 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from the compliance assurance monitoring (CAM) requirements of 40 CFR Sections 64.6 and 64.9]

The permittee shall submit semiannual reports of the following:

- (1) Summary information on the number, duration and cause (including unknown cause, if applicable) of CAM excursions or exceedances and the corrective actions taken.
- (2) Summary information on the number, duration and cause (including unknown cause, if applicable) for CAM monitor downtime incidents (other than downtime associated with zero and span or other calibration checks, if applicable).

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

**# 021 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4]****Subpart A - General Provisions****Address.**

The submission of all requests, reports, applications submittals and other communications required by Subpart Db of the federal Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units, 40 CFR 60.40b through 60.49b, or required by any other applicable section specified in the federal Standards of Performance, must be made to both the Department of Environmental Protection and the Environmental Protection Agency. The copies may be sent to:

Associate Director  
Office of Air Enforcement and Compliance Assistance, 3AP20  
U.S. Environmental Protection Agency, Region III  
1650 Arch Street  
Philadelphia, PA 19107

and

Pennsylvania Department of Environmental Protection  
Air Quality Program Manager  
208 W. Third Street, Suite 101  
Williamsport, PA 17701-6448

**SECTION D. Source Level Requirements****VI. WORK PRACTICE REQUIREMENTS.****# 022 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(1) Control Device ID ESP01 shall be used at all times to control the air contaminant emissions from Source ID 033 except during any time Source ID 033 and Control Device ID ESP01 are being purged. However, Source ID 033 shall continue to meet all applicable air contaminant emission limitations including 25 Pa. Code Sections 123.11 and 123.41.

(2) The permittee shall follow and keep posted the vendor's recommended preventative maintenance schedule for Control Device ID ESP01.

**# 023 [25 Pa. Code §129.97]****Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule.**

Source ID 033 shall be maintained and operated in accordance with the manufacturer's specifications and with good operating practices.

**VII. ADDITIONAL REQUIREMENTS.****# 024 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

Source ID 033 (Boiler #3) is a natural gas/propane/wood-fired boiler manufactured by Babcock and Wilcox Co. (Tower Pak model, contract 192-7741) with a maximum heat input of 273.2 million Btu per hour and a maximum natural gas/propane heat input of 192.6 million Btu per hour. The air contaminant emissions from Source ID 033 shall be controlled by the following:

- (1) Four circular type Babcock and Wilcox Co. low NO<sub>x</sub> suspension wood dust/natural gas/propane/air mix burners.
- (2) A Research Cottrell (under license from Fuel Tech NV) selective non-catalytic reduction (SNCR) NO<sub>x</sub>OUT control system (Control Device ID SNCR01) containing four nozzles by Fuel Tech NV in "zone 3" at the orientations specified in the application materials (except as was authorized in Plan Approval 08-00003C).
- (3) A Zurn Air Systems Division model no. MTS-96-11.5CYT-XD-N/R-TA multiclone (Control Device ID C17). The multiclone shall handle no more than 153,600 acfm of exhaust.
- (4) An SES/Walther model no. 1P2CH1C11D3F/12\*31.5\*31.5(3@10.5) dry single stage electrostatic precipitator (ESP) (Control Device ID ESP01) following the multiclone. The ESP shall handle no more than 160,400 actual cubic feet per minute of exhaust.

**# 025 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Source ID 033 is subject to the compliance assurance monitoring (CAM) requirements of 40 CFR Part 64. The permittee shall comply with all applicable requirements of 40 CFR Sections 64.1 through 64.10.

**# 026 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

The SNCR system shall be interlocked with the AFT such that reagent (as approved by the Department) is not injected if the AFT is less than 1,175° F.

**# 027 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

The SNCR reagent injected into Source ID 033 shall be either NO<sub>x</sub>-OUT HP or a 50%/50% urea and water solution with ScaleTrol PDC9333 added (or equivalent effective reagent approved by the Department).

**# 028 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

**SECTION D. Source Level Requirements**

The NOxOUT-HP® (or equivalent effective reagent approved by the Department) injection rate shall be controlled based on boiler steam load and a NOx emission set-point of 115 ppmvd at 7% oxygen as specified in the plan approval 08-00003C application materials submitted to the Department. The injection rate of NOxOUT-HP® (or equivalent effective reagent approved by the Department) shall not exceed 30 gallons per hour.

**# 029 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.40b]**  
**Subpart Db - Standards of Performance for Industrial- Commercial-Institutional Steam Generating Units**  
**Applicability and delegation of authority.**

Source ID 033 is subject to Subpart Db of the federal Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units. The permittee shall comply with all applicable requirements specified in 40 CFR Sections 60.40b through 60.49b.

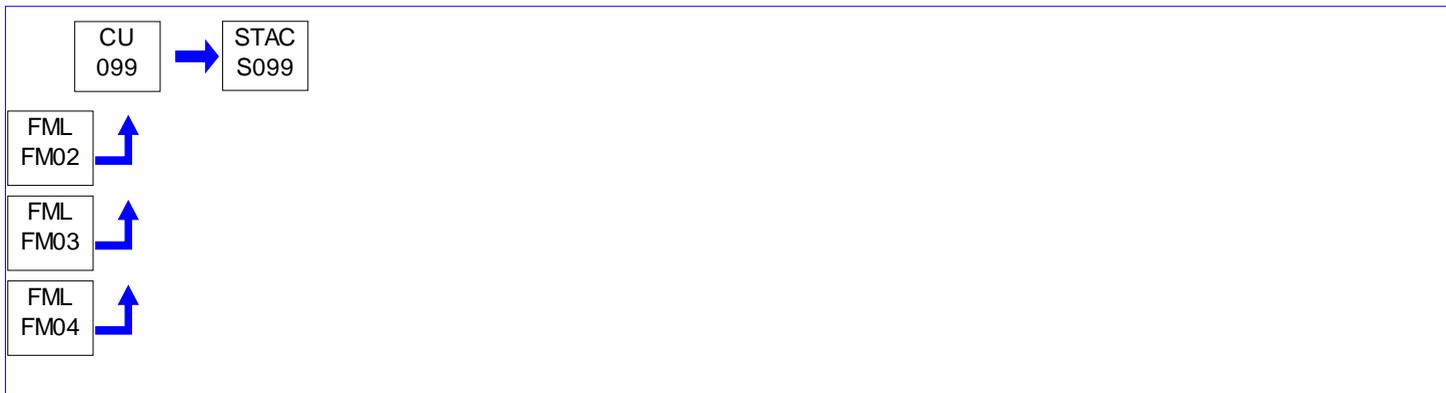
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: 099

Source Name: SMALL COMBUSTION UNITS

Source Capacity/Throughput:

**I. RESTRICTIONS.****Emission Restriction(s).**

# 001 [25 Pa. Code §123.11]

**Combustion units**

The permittee shall not permit the emission of particulate matter into the outdoor atmosphere from any combustion unit incorporated in Source ID 099, which has a rated input of greater than 2.5 million Btu per hour, in excess of the rate of 0.4 pounds per million Btu of heat input.

# 002 [25 Pa. Code §123.22]

**Combustion units**

The permittee shall not permit the emission of sulfur oxides, expressed as SO<sub>2</sub>, into the outdoor atmosphere from any combustion unit incorporated in Source ID 099 in excess of the rate of 4 pounds per million Btu of heat input over any one hour 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).

**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).

**SECTION D. Source Level Requirements****VI. WORK PRACTICE REQUIREMENTS.****# 003 [25 Pa. Code §129.97]****Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule.**

The combustion units incorporated in Source ID 099 shall be maintained and operated in accordance with the manufacturer's specifications and with good operating practices.

**VII. ADDITIONAL REQUIREMENTS.****# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Source ID 099 consists of small combustion units located throughout the facility, all of which are rated at less than 10.0 MMBTU/hr of heat input. See Appendix A attached to this permit for a complete list of units.

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

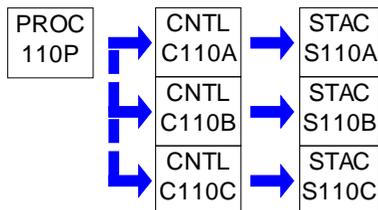
**SECTION D. Source Level Requirements**

Source ID: 110P

Source Name: SECONDARY SAWS &amp; HOG

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 4

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.13]****Processes**

The permittee shall not permit the emission of particulate matter into the outdoor atmosphere from Source ID 110P in a manner such that the concentration in the effluent gas exceeds 0.04 grains 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) 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 §127.441]****Operating permit terms and conditions.**

The permittee shall maintain accurate and comprehensive records of supporting calculations used to verify compliance with the particulate matter emission limitations from the each exhaust associated with Source ID 110P. All records generated pursuant to this condition shall be retained 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.**

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 §127.441]****Operating permit terms and conditions.**

Source ID 110P is a "secondary saws and hog operation" comprised of the following:

**SECTION D. Source Level Requirements**

- (1) panel feeders
- (2) edger saws
- (3) trim and splitter saws
- (4) three (3) ship lap saws
- (5) two (2) groovers
- (6) six (6) stackers.
- (7) secondary hog (hammermill)

The particulate matter emissions from the equipment listed in (1) through (6) above shall be controlled by two fabric collectors (Control Device ID C110A and Control Device ID C110B) operating in parallel. The particulate matter emissions from the secondary hog listed in (7) above shall be controlled by its own discrete fabric collector (Control Device ID C110C).

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

**SECTION D. Source Level Requirements**

Source ID: 113P

Source Name: DIEFORM TRIM &amp; EDGE SAWS

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 4

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.13]****Processes**

The permittee shall not permit the emission of particulate matter into the outdoor atmosphere from Source ID 113P in a manner such that the concentration of particulate matter in the effluent gas exceeds 0.04 grains 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) 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 §127.441]****Operating permit terms and conditions.**

The permittee shall maintain accurate and comprehensive records of supporting calculations used to verify compliance with the particulate emissions limitation for Source ID 113P. All records generated pursuant to this condition shall be retained 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.**

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 §127.441]****Operating permit terms and conditions.**

Source ID 113P is a "Die Form trim and edge saws operation" comprised of the following:

- (1) T & E panel feeder
- (2) splitter saws
- (3) hammermill
- (4) baghouse bin

**SECTION D. Source Level Requirements**

- (5) two (2) sets of trim saws
- (6) two (2) stackers

The particulate matter emissions from Source ID 113P shall be controlled by a GDI baghouse (Control Device ID D84).

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

**SECTION D. Source Level Requirements**

Source ID: 141P

Source Name: LINE 1 REFINERS AND 1ST STAGE DRYERS

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 3

3.C

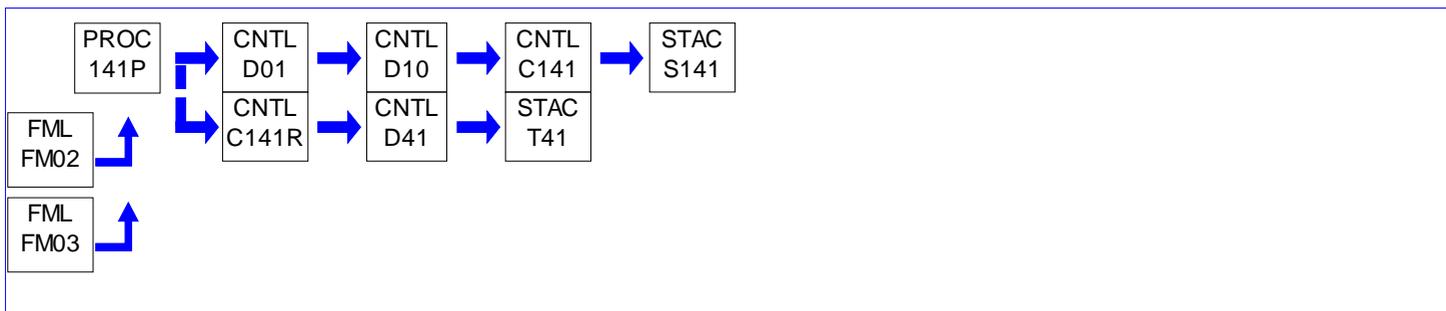
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7

9

PCWP MACT

RACT 141P &amp; 161P

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.13]****Processes**

The permittee shall not permit the emission of particulate matter into the outdoor atmosphere from Source ID 141P in a manner such that the concentration of particulate matter in the effluent gas exceeds 0.04 grains per dry standard cubic foot.

**# 002 [25 Pa. Code §123.21]****General**

The permittee shall not permit the emission of sulfur oxides, expressed as SO<sub>2</sub>, into the outdoor atmosphere from the Source ID 141P in a manner such that the concentration of the sulfur oxides in the effluent gas exceeds 500 parts per million, by volume, dry basis.

**# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code Section 127.207]

The volatile organic compound emissions from Source ID 141P and Control Device ID C141 shall not exceed 7.50 tons in any 12 consecutive month period (as propane by Method 25A).

**# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code Sections 127.1 and 127.12]

The air contaminant emissions from Control Device ID C141 (i.e. RTO outlet minus RTO inlet) shall not exceed the following:

(1) nitrogen oxides (NO<sub>x</sub>, expressed as NO<sub>2</sub>) - 85 ppm<sub>dv</sub> corrected to 3% oxygen and 4.80 tons in any 12 consecutive month period

(2) carbon monoxide - 250 ppm<sub>dv</sub> corrected to 3% oxygen and 8.60 tons in any 12 consecutive month period

**SECTION D. Source Level Requirements****Fuel Restriction(s).****# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Control Device ID C141 shall only be fired on natural gas and/or propane/air mix.

**# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall only fire natural gas or propane in the three (3) burners incorporated in Source ID 141P.

**II. TESTING REQUIREMENTS.****# 007 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

(1) By no later than October 31, 2019, and by no later than every five years thereafter (October 31, 2024, October 31, 2029, etc.), but, in each case, not more than one year prior to the specified deadline, the permittee shall perform stack testing to determine either the reduction of total hydrocarbons (as carbon) across Control Device ID C141 or determine the concentration of total hydrocarbons (as carbon) contained in the effluent gas from Control Device ID C141. All testing shall be performed while the respective source is operating at its normal maximum rate of production.

(2) At least 60 days prior to the performance of any testing required herein, the permittee shall submit a printed copy and an electronic copy in pdf format of a pretest protocol to the Northcentral Regional Air Program Manager (Department of Environmental Protection, 208 West Third Street, Suite 101, Williamsport, PA 17701) and to the Source Testing Section Program Manager (Division of Source Testing and Monitoring, Department of Environmental Protection, Rachel Carson State Office Building, 400 Market Street, Harrisburg, PA 17105) for review. The protocol shall describe the test methods and procedures to be used in the performance of testing, and shall include dimensioned sketches of the exhaust system showing the locations of all proposed sampling ports. The protocol shall also identify all process data which will be monitored and recorded during the performance of testing.

(3) At least 10 days prior to the performance of any testing required herein, the permittee shall notify the Department of the actual date(s) and time(s) that testing will occur so that Department personnel can arrange to be present during testing. The Department is under no obligation to accept the results of any testing performed without proper notification having first been given.

**III. MONITORING REQUIREMENTS.****# 008 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code Sections 127.1 and 127.12, as well as 40 CFR Section 63.2262(k)]

The permittee shall monitor the combustion chamber temperature of Control Device ID C141. The permittee shall maintain the 3-hour block average combustion chamber temperature above 1559°F (as established during previous stack testing or established during more recent stack testing).

**# 009 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Section 63.2269]

The permittee shall install, operate and maintain a temperature monitoring device (two type K thermocouples as shown in the plan approval application) that shall accurately measure and record the combustion chamber temperature of Control Device ID C141 at least once every 15-minutes. The permittee shall comply with the installation, accuracy, inspection, maintenance, calibration and recordkeeping requirements specified in 40 CFR Section 63.2269(a) and (b) and the data availability requirements of 40 CFR Section 63.2270. All records generated pursuant to this condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

**# 010 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall install, operate and maintain a pressure monitoring device that shall accurately measure and record the pressure drop across Control Device ID C141 at least once every 15 minutes. Such information shall be used to monitor

**SECTION D. Source Level Requirements**

material buildup and to take appropriate corrective action to prevent excessive material buildup on the thermal oxidizer media. All records generated pursuant to this condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

**# 011 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

- (1) The natural gas and propane usage for Source ID 141P shall be continuously monitored and recorded monthly.
- (2) The emission calculations shall utilize the natural gas and propane usages to determine combustion related emission rates by using company initiated, and Department approved stack test derived emission factors, or EPA FIRE emission factors when stack test derived emission factors are not available.

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

**IV. RECORDKEEPING REQUIREMENTS.**

**# 012 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR Section 63.2282 and Section 2283]

The permittee shall maintain records listed in paragraphs (1) through (4) of this section for Source ID 141P.

- (1) A copy of each notification and report that you submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status that you submitted, according to the requirements in 40 CFR Section 63.10(b)(2)(xiv).
- (2) The records in 40 CFR Sections 63.6(e)(3)(iii) through (v) related to startup, shutdown, and malfunction.
- (3) Documentation of your approved routine control device maintenance exemption, if you request such an exemption under 40 CFR Section 63.2251.
- (4) Records of performance tests and performance evaluations as required in 40 CFR Section 63.10(b)(2)(viii).

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

**# 013 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The permittee shall maintain accurate and comprehensive records of the following:

- (1) Supporting calculations used to verify compliance with the sulfur oxides and particulate matter emissions limitations from the exhaust associated with Source ID 141P.
- (2) Supporting calculations used to verify compliance with the annual nitrogen oxides (NO<sub>x</sub>, expressed as NO<sub>2</sub>), carbon monoxide and volatile organic compound emission limitations from the Line 1 pressurized refiners and first stage dryers incorporated in Source ID 141P and Control Device ID C141. The calculations shall be completed each month.
- (3) A monthly record of the amount of natural gas and propane used for Source ID 141P.

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

**V. REPORTING REQUIREMENTS.**

**# 014 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR 63.2280]

The permittee shall submit all notifications required by 40 CFR Sections 63.7(b) and (c), 63.8(e), (f)(4) and (f)(6), 63.9(b) through (e), (g) and (h) that apply to Source ID 141P to the U.S. Environmental Protection Agency and the Department by the dates specified.

**SECTION D. Source Level Requirements****# 015 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR Section 63.2281]

The permittee shall submit an immediate startup, shutdown and malfunction report any time an action taken by the permittee during a startup or shutdown that caused Source 141P to exceed any applicable emission limitation in the relevant emission standards, or malfunction (including actions taken to correct a malfunction) is not consistent with the procedures specified in the Startup, Shutdown and Malfunction Plan for Source 141P. The permittee shall report the actions taken for the event by fax or telephone within two (2) working days after starting actions inconsistent with the plan. The information in 40 CFR Section 63.10(d)(5)(ii) shall be reported by letter within seven (7) working days after the end of the event unless the permittee has made alternative arrangements with the permitting authority.

**# 016 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR Section 63.2281]

The permittee shall submit semiannual reports for Source ID 141P which contain the following information:

- (1) Company name and address.
- (2) Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report.
- (3) Date of report and beginning and ending dates of the reporting period.
- (4) If you had a startup, shutdown, or malfunction during the reporting period and you took actions consistent with your Startup, Shutdown and Malfunction Plan, the compliance report must include the information specified in 40 CFR Section 63.10(d)(5)(i).
- (5) A description of control device maintenance performed while the control device was offline and one or more of the process units controlled by the control device was operating, including the information specified in paragraphs (5)(a) and (b) of this section.
  - (a) The date and time when the control device was shut down and restarted.
  - (b) Identification of the process units that were operating and the number of hours that each process unit operated while the control device was offline.
- (6) The results of any performance tests conducted during the semiannual reporting period.
- (7) If there are no deviations from any applicable compliance option or operating requirement, a statement that there were no deviations from the compliance options or operating requirements during the reporting period.
- (8) If there were no periods during which the continuous monitoring system (CMS), including CEMS and CPMS, was out-of-control as specified in 40 CFR Section 63.8(c)(7), a statement that there were no periods during which the CMS was out-of-control during the reporting period.

For each deviation from a compliance option or operating requirement occurring at an affected source where you are using a CMS to comply with the compliance options and operating requirements in this subpart, you must also include the information in paragraphs (1) through (11) of this section. This includes periods of startup, shutdown, and malfunction and routine control device maintenance.

- (1) The date and time that each malfunction started and stopped.
- (2) The date and time that each CMS was inoperative, except for zero (low-level) and high-level checks.
- (3) The date, time, and duration that each CMS was out-of-control, including the information in 40 CFR Section 63.8(c)(8).
- (4) The date and time that each deviation started and stopped, and whether each deviation occurred during a period of startup, shutdown, or malfunction; during a period of control device maintenance covered in your approved routine control device maintenance exemption; or during another period.
- (5) A summary of the total duration of the deviation during the reporting period and the total duration as a percent of the total source operating time during that reporting period.
- (6) A breakdown of the total duration of the deviations during the reporting period into those that are due to startup, shutdown, control system problems, control device maintenance, process problems, other known causes, and other

**SECTION D. Source Level Requirements**

unknown causes.

(7) A summary of the total duration of CMS downtime during the reporting period and the total duration of CMS downtime as a percent of the total source operating time during that reporting period.

(8) A brief description of the process units.

(9) A brief description of the CMS.

(10) The date of the latest CMS certification or audit.

(11) A description of any changes in CMS, processes, or controls since the last reporting period.

The permittee must report all deviations as defined in this subpart in the semiannual monitoring report required by 40 CFR Section 70.6(a)(3)(iii)(A) or Section 71.6(a)(3)(iii)(A). If an affected source submits a compliance report pursuant to condition #014 herein along with, or as part of, the semiannual monitoring report required by 40 CFR Section 70.6(a)(3)(iii)(A) or Section 71.6(a)(3)(iii)(A), and the compliance report includes all required information concerning deviations from any compliance option or operating requirement in this subpart, submission of the compliance report shall be deemed to satisfy any obligation to report the same deviations in the semiannual monitoring report. However, submission of a compliance report shall not otherwise affect any obligation the affected source may have to report deviations from permit requirements to the permitting authority.

Each compliance report must cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31. Each subsequent compliance report must be postmarked or delivered no later than July 31 or January 31 for the semiannual reporting period ending on June 30 and December 31, respectively.

**# 017 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

Within 60 days following the completion of any testing required herein, the permittee shall submit a printed copy and an electronic copy in pdf format of a test report to the Northcentral Regional Air Program Manager (Department of Environmental Protection, 208 West Third Street, Suite 101, Williamsport, PA 17701) and the Source Testing Section Program Manager (Division of Source Testing and Monitoring, Department of Environmental Protection, Rachel Carson State Office Building, 400 Market Street, Harrisburg, PA 17105) for review. This test report shall contain the results of the testing, a description of the test methods and procedures actually used, copies of all raw test data with sample calculations and copies of all process data recorded during testing. The results of all testing shall be expressed in units which will allow direct comparisons to the emission limitation specified herein.

**VI. WORK PRACTICE REQUIREMENTS.****# 018 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall follow the maintenance schedule as specified in the document titled "R-RL-1009 Durr System Special Maintenance Instructions" for Control Device ID C141. A copy of the instructions shall be readily visible near the thermal oxidizer operator(s) in the RTO operations room. Records shall be kept of the maintenance performed (i.e., date of inspection, components inspected and maintenance/calibrations performed) on a continuous basis, a monthly basis, a three month basis, annually and every two years. All records generated pursuant to this condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

**# 019 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The reject bin shall remain closed at all times, except when the bin is being emptied.

**# 020 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR Section 63.2]

The permittee shall reject material from the refiners incorporated in Source ID 141P only during startup, shutdown and malfunction, as defined in 40 CFR Section 63.2.

**# 021 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The air contaminant emissions from the Line 1 reject cyclone (Control Device ID C141R) shall be controlled by Control

**SECTION D. Source Level Requirements**

Device ID D41 whenever any dryer bypass is in use.

**# 022 [25 Pa. Code §129.97]****Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule.**

[Additional authority for this permit condition is derived from 25 Pa. Code Section 129.91]

The furnace incorporated in Source ID 141P and Control Device ID C141 shall be maintained and operated in accordance with the manufacturer's specifications and with good operating practices.

**VII. ADDITIONAL REQUIREMENTS.****# 023 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for the permit condition is derived from 25 Pa. Code Sections 127.201 through 127.218]

To satisfy the New Source Review requirement that the permittee be in possession of 55.30 tons of nitrogen oxides (NOx) emission reduction credits prior to the startup of Control Device ID C141 and Control Device ID C142, 57.00 tons of NOx emission reduction credits generated by International Paper-Erie, Erie, Erie County, on September 30, 2002, were transferred to the permittee on April 2, 2009. The respective emission reduction credits used to fulfill the NOx emission reduction credit requirements are consequently no longer available for use.

**# 024 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR Section 63.2250]

The time, in minutes, that each refiner unit incorporated in Source ID 141P rejects material shall be recorded. The combined sum of minutes that the four refiners are rejecting shall not exceed 104 minutes during any 3-hour block period.

**# 025 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code Sections 127.1 and 127.12]

Source ID 141P is the "Line 1 refiners/1st stage dryers operations" comprised of the following:

- (1) four (4) Line I pressurized refiners
- (2) four (4) Line I first stage fiber dryers
- (3) four (4) Renneburg Co. 8 foot diameter cyclone separators (Control Device ID D01)
- (4) a Line I refiner reject
- (5) a 12 million Btu per hour, natural gas/propane-fired furnace

The air contaminant emissions from the Line 1 pressurized refiners (except during rejecting), the Line 1 first stage fiber dryers and the Renneburg cyclone separators listed in (1), (2) and (3) above shall be controlled by a Ducon Multivane Type L Model IV size 132 wet scrubber (scrubber #5 (Control Device ID D10)) equipped with a mist eliminator followed by a 12' x 12' x 12' water dropout box followed by a Durr Systems, Inc. model RL rotary valve regenerative thermal oxidizer (RTO) (Control Device ID C141) equipped with a natural gas/propane fired Maxon Kinedizer low-NOx burner with a rated heat input capacity of 10.697 million Btu per hour.

The air contaminant emissions from the Line 1 pressurized refiner reject listed in (4) above shall be controlled by a Line 1 refiner reject cyclone (Control Device ID C141R) and scrubber A (Control Device ID D41), operating in series.

Part of the flue gas from Source ID 033 is used as the primary heat source for drying wood fibers. The air contaminant emissions from the flue gas that is used in Source ID 141P shall be controlled by scrubber #5 (Control Device ID D10) and a regenerative thermal oxidizer (RTO) (Control Device ID C141).

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

**SECTION D. Source Level Requirements**

Source ID: 142P

Source Name: LINE 2 REFINERS AND 1ST STAGE DRYERS

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 10

3

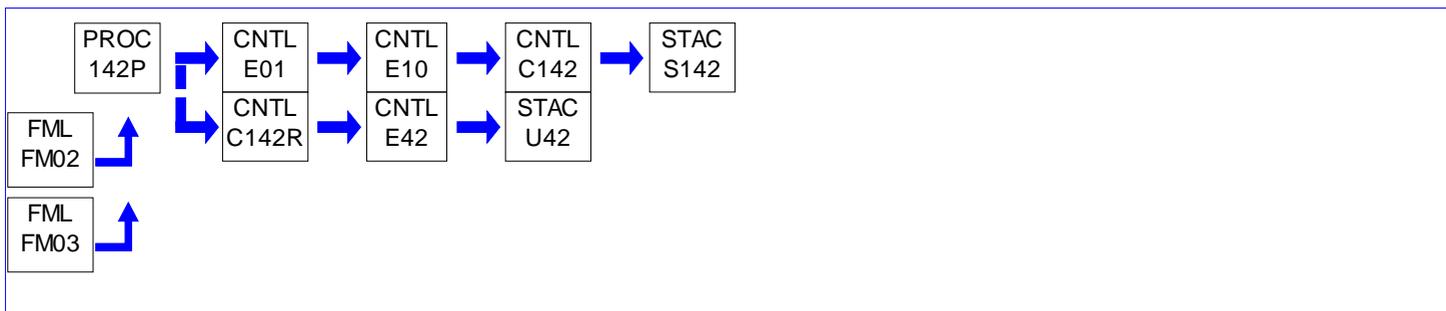
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PCWP MACT

RACT 142P &amp; 162P

**I. RESTRICTIONS.****Emission Restriction(s).**

# 001 [25 Pa. Code §123.13]

**Processes**

The permittee shall not permit the emission of particulate matter into the outdoor atmosphere from Source ID 142P in a manner such that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

# 002 [25 Pa. Code §123.21]

**General**

The permittee shall not permit the emission of sulfur oxides, expressed as SO<sub>2</sub>, into the outdoor atmosphere from the Source ID 142P in a manner such that the concentration of the sulfur oxides in the effluent gas exceeds 500 parts per million, by volume, dry basis.

# 003 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code Sections 127.1 and 127.12]

The air contaminant emissions from Control Device ID C142 (i.e. RTO outlet minus RTO inlet) shall not exceed the following:

- (1) nitrogen oxides (NO<sub>x</sub>, expressed as NO<sub>2</sub>) - 85 ppm<sub>dv</sub> corrected to 3% oxygen and 5.60 tons in any 12 consecutive month period
- (2) carbon monoxide - 250 ppm<sub>dv</sub> corrected to 3% oxygen and 9.90 tons in any 12 consecutive month period

**Fuel Restriction(s).**

# 004 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

Control Device ID C142 shall only be fired on natural gas and/or propane/air mix.

**II. TESTING REQUIREMENTS.**

# 005 [25 Pa. Code §129.100]

**Compliance demonstration and recordkeeping requirements.**

- (1) By no later than March 31, 2019, and by no later than every five years thereafter (March 31, 2024, March 31, 2029, etc.),

**SECTION D. Source Level Requirements**

but, in each case, not more than one year prior to the specified deadline, the permittee shall perform stack testing to determine either the reduction of total hydrocarbons (as carbon) across Control Device ID C142 or determine the concentration of total hydrocarbons (as carbon) contained in the effluent gas from Control Device ID C142. All testing shall be performed while the respective source is operating at its normal maximum rate of production.

(2) At least 60 days prior to the performance of any testing required herein, the permittee shall submit a printed copy and an electronic copy in pdf format of a pretest protocol to the Northcentral Regional Air Program Manager (Department of Environmental Protection, 208 West Third Street, Suite 101, Williamsport, PA 17701) and to the Source Testing Section Program Manager (Division of Source Testing and Monitoring, Department of Environmental Protection, Rachel Carson State Office Building, 400 Market Street, Harrisburg, PA 17105) for review. The protocol shall describe the test methods and procedures to be used in the performance of testing, and shall include dimensioned sketches of the exhaust system showing the locations of all proposed sampling ports. The protocol shall also identify all process data which will be monitored and recorded during the performance of testing.

(3) At least 10 days prior to the performance of any testing required herein, the permittee shall notify the Department of the actual date(s) and time(s) that testing will occur so that Department personnel can arrange to be present during testing. The Department is under no obligation to accept the results of any testing performed without proper notification having first been given.

**III. MONITORING REQUIREMENTS.****# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Section 63.2269]

The permittee shall install, operate and maintain a temperature monitoring device (two type K thermocouples as shown in the plan approval application) that shall accurately measure and record the combustion chamber temperature of Control Device ID C142 at least once every 15-minutes. The permittee shall comply with the installation, accuracy, inspection, maintenance, calibration and recordkeeping requirements specified in 40 CFR Section 63.2269(a) and (b) and the data availability requirements of 40 CFR Section 63.2270. All records generated pursuant to this condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

**# 007 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall install, operate and maintain a pressure monitoring device that shall accurately measure and record the pressure drop across Control Device ID C142 at least once every 15 minutes. Such information shall be used to monitor material buildup and to take appropriate corrective action to prevent excessive material buildup on the thermal oxidizer media. All records generated pursuant to this condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

**# 008 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code Sections 127.1 and 127.12, as well as 40 CFR Section 63.2262(k)]

The permittee shall monitor the combustion chamber temperature of Control Device ID C142. The permittee shall maintain the 3-hour block average combustion chamber temperature above 1550°F (as established during stack testing which assures compliance with the nitrogen oxides (NO<sub>x</sub>, expressed as NO<sub>2</sub>) and carbon monoxide emission limits).

**IV. RECORDKEEPING REQUIREMENTS.****# 009 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain accurate and comprehensive records of the following

- (1) Supporting calculations used to verify compliance with the particulate matter and sulfur oxides emission limitations from the exhaust associated with Source ID 142P.
- (2) Supporting calculations used to verify compliance with the annual nitrogen oxides (NO<sub>x</sub>, expressed as NO<sub>2</sub>), carbon monoxide and volatile organic compound emission limitations from the Line 2 pressurized refiners and first stage dryers

**SECTION D. Source Level Requirements**

incorporated in Source ID 142P and Control Device C142. The calculations shall be completed each month.

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

**# 010 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR Section 63.2282 and Section 2283]

The permittee shall maintain records listed in paragraphs (1) through (4) of this section for Source ID 142P.

- (1) A copy of each notification and report that you submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status that you submitted, according to the requirements in 40 CFR Section 63.10(b)(2)(xiv).
- (2) The records in 40 CFR Sections 63.6(e)(3)(iii) through (v) related to startup, shutdown, and malfunction.
- (3) Documentation of your approved routine control device maintenance exemption, if you request such an exemption under 40 CFR Section 63.2251.
- (4) Records of performance tests and performance evaluations as required in 40 CFR Section 63.10(b)(2)(viii).

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

**V. REPORTING REQUIREMENTS.****# 011 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR 63.2280]

The permittee shall submit all notifications required by 40 CFR Sections 63.7(b) and (c), 63.8(e), (f)(4) and (f)(6), 63.9(b) through (e), (g) and (h) that apply to Source ID 142P to the U.S. Environmental Protection Agency and the Department by the dates specified.

**# 012 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR Section 63.2281]

The permittee shall submit an immediate startup, shutdown and malfunction report any time an action taken by the permittee during a startup or shutdown that caused Source 142P to exceed any applicable emission limitation in the relevant emission standards, or malfunction (including actions taken to correct a malfunction) is not consistent with the procedures specified in the Startup, Shutdown and Malfunction Plan for Source 142P. The permittee shall report the actions taken for the event by fax or telephone within two (2) working days after starting actions inconsistent with the plan. The information in 40 CFR Section 63.10(d)(5)(ii) shall be reported by letter within seven (7) working days after the end of the event unless the permittee has made alternative arrangements with the permitting authority.

**# 013 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR Section 63.2281]

The permittee shall submit semiannual reports for Source ID 142P which contain the following information:

- (1) Company name and address.
- (2) Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report.
- (3) Date of report and beginning and ending dates of the reporting period.
- (4) If you had a startup, shutdown, or malfunction during the reporting period and you took actions consistent with your Startup, Shutdown and Malfunction Plan, the compliance report must include the information specified in 40 CFR Section 63.10(d)(5)(i).

**SECTION D. Source Level Requirements**

(5) A description of control device maintenance performed while the control device was offline and one or more of the process units controlled by the control device was operating, including the information specified in paragraphs (5)(a) and (b) of this section.

(a) The date and time when the control device was shut down and restarted.

(b) Identification of the process units that were operating and the number of hours that each process unit operated while the control device was offline.

(6) The results of any performance tests conducted during the semiannual reporting period.

(7) If there are no deviations from any applicable compliance option or operating requirement, a statement that there were no deviations from the compliance options or operating requirements during the reporting period.

(8) If there were no periods during which the continuous monitoring system (CMS), including CEMS and CPMS, was out-of-control as specified in 40 CFR Section 63.8(c)(7), a statement that there were no periods during which the CMS was out-of-control during the reporting period.

For each deviation from a compliance option or operating requirement occurring at an affected source where you are using a CMS to comply with the compliance options and operating requirements in this subpart, you must also include the information in paragraphs (1) through (11) of this section. This includes periods of startup, shutdown, and malfunction and routine control device maintenance.

(1) The date and time that each malfunction started and stopped.

(2) The date and time that each CMS was inoperative, except for zero (low-level) and high-level checks.

(3) The date, time, and duration that each CMS was out-of-control, including the information in 40 CFR Section 63.8(c)(8).

(4) The date and time that each deviation started and stopped, and whether each deviation occurred during a period of startup, shutdown, or malfunction; during a period of control device maintenance covered in your approved routine control device maintenance exemption; or during another period.

(5) A summary of the total duration of the deviation during the reporting period and the total duration as a percent of the total source operating time during that reporting period.

(6) A breakdown of the total duration of the deviations during the reporting period into those that are due to startup, shutdown, control system problems, control device maintenance, process problems, other known causes, and other unknown causes.

(7) A summary of the total duration of CMS downtime during the reporting period and the total duration of CMS downtime as a percent of the total source operating time during that reporting period.

(8) A brief description of the process units.

(9) A brief description of the CMS.

(10) The date of the latest CMS certification or audit.

(11) A description of any changes in CMS, processes, or controls since the last reporting period.

The permittee must report all deviations as defined in this subpart in the semiannual monitoring report required by 40 CFR Section 70.6(a)(3)(iii)(A) or Section 71.6(a)(3)(iii)(A). If an affected source submits a compliance report pursuant to condition #011 herein along with, or as part of, the semiannual monitoring report required by 40 CFR Section 70.6(a)(3)(iii)(A) or Section 71.6(a)(3)(iii)(A), and the compliance report includes all required information concerning deviations from any compliance option or operating requirement in this subpart, submission of the compliance report shall be deemed to satisfy any obligation to report the same deviations in the semiannual monitoring report. However, submission of a compliance report shall not otherwise affect any obligation the affected source may have to report deviations from permit requirements to the permitting authority.

Each compliance report must cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31. Each subsequent compliance report must be postmarked or delivered no later than July 31 or January 31 for the semiannual reporting period ending on June 30 and December 31, respectively.

**# 014 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

Within 60 days following the completion of any testing required herein, the permittee shall submit a printed copy and an electronic copy in pdf format of a test report to the Northcentral Regional Air Program Manager (Department of Environmental Protection, 208 West Third Street, Suite 101, Williamsport, PA 17701) and the Source Testing Section Program Manager

**SECTION D. Source Level Requirements**

(Division of Source Testing and Monitoring, Department of Environmental Protection, Rachel Carson State Office Building, 400 Market Street, Harrisburg, PA 17105) for review. This test report shall contain the results of the testing, a description of the test methods and procedures actually used, copies of all raw test data with sample calculations and copies of all process data recorded during testing. The results of all testing shall be expressed in units which will allow direct comparisons to the emission limitation specified herein.

**VI. WORK PRACTICE REQUIREMENTS.****# 015 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall follow the maintenance schedule as specified in the document titled "R-RL-1009 Durr System Special Maintenance Instructions" for Control Device ID C142. A copy of the instructions shall be readily visible near the thermal oxidizer operator(s) in the RTO operations room. Records shall be kept of the maintenance performed (i.e., date of inspection, components inspected and maintenance/calibrations performed) on a continuous basis, a monthly basis, a three month basis, annually and every two years. All records generated pursuant to this condition shall be retained for a minimum of five(5) years and shall be made available to the Department upon request.

**# 016 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The reject bin shall remain closed at all times, except when the bin is being emptied.

**# 017 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Additional authority for this permit condition is derived from 40 CFR Section 63.2]

The permittee shall reject material from the refiners incorporated in Source ID 142P only during startup, shutdown and malfunction, as defined in 40 CFR Section 63.2.

**# 018 [25 Pa. Code §129.97]****Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule.**

Control Device ID C142 shall be maintained and operated in accordance with the manufacturer's specifications and with good operating practices.

**VII. ADDITIONAL REQUIREMENTS.****# 019 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code Sections 127.1 and 127.12]

Source ID 142P is the "Line 2 refiners/1st stage dryers operations" comprised of the following:

- (1) four (4) Line 2 pressurized refiners
- (2) four (4) Line 2 first stage fiber dryers
- (3) four (4) Renneburg Co. 8 foot diameter cyclone separators (Control Device ID E01)
- (4) a Line 2 refiner reject cyclone (Control Device ID C142R)

The air contaminant emissions from the Line 2 pressurized refiners (except during rejecting), the Line 2 first stage fiber dryers and the Renneburg cyclone separators listed in (1), (2) and (3) above shall be controlled by a Ducon Multivane Type L Model IV size 144 wet scrubber (scrubber #6 (Control Device ID E10)) equipped with a mist eliminator followed by a 12' x 12' x 12' water dropout box followed by a Durr Systems, Inc. model RL rotary valve regenerative thermal oxidizer (RTO) (Control Device ID C142) utilizing a natural gas/propane-fired Maxon Kinedizer low-NOx burner with a rated heat input capacity of 12.322 million Btu per hour.

The air contaminant emissions from the Line 2 pressurized refiner reject listed in (1) above shall be controlled by a Line 2 refiner reject cyclone (Control Device ID C142R) and scrubber B (Control Device ID E42), operating in series.

Part of the flue gas from Source ID 033 is used as the heat source for drying wood fibers. The air contaminant emissions

**SECTION D. Source Level Requirements**

from the flue gas that is used in Source ID 142P shall be controlled by scrubber #6 (Control Device ID E10) and a thermal oxidizer (RTO) (Control Device ID C142).

**# 020 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

[Additional authority for the permit condition is derived from 25 Pa. Code Sections 127.201 through 127.218]

To satisfy the New Source Review requirement that the permittee be in possession of 55.30 tons of nitrogen oxides (NO<sub>x</sub>) emission reduction credits prior to the startup of Control Device ID C141 and Control Device ID C142, 57.00 tons of NO<sub>x</sub> emission reduction credits generated by International Paper-Erie, Erie, Erie County, on September 30, 2002, were transferred to the permittee on April 2, 2009. The respective emission reduction credits used to fulfill the NO<sub>x</sub> emission reduction credit requirements are consequently no longer available for use.

**# 021 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Section 63.2250]

The time, in minutes, that each refiner unit incorporated in Source ID 142P rejects material shall be recorded. The combined sum of minutes that the four refiners are rejecting shall not exceed 112 minutes during any 3-hour block period.

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

**SECTION D. Source Level Requirements**

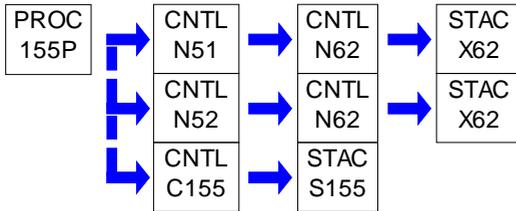
Source ID: 155P

Source Name: PNEUMATIC CONVEYING SYSTEM

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 4

PAC WOOD HANDLING

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.13]****Processes**

The permittee shall not permit the emission of particulate matter from the exhaust of Control Device ID C155 into the outdoor atmosphere in a manner such that the concentration in the effluent gas exceeds 0.04 grains per dry standard cubic foot.

**# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code Sections 127.1 and 127.12]

The permittee shall not permit the emission of particulate matter from the exhaust of Control Device ID N62 into the outdoor atmosphere in a manner such that the concentration in the effluent gas exceeds 0.01 grains per dry standard cubic foot.

Compliance with this permit condition also ensures compliance with 25 Pa. Code Section 123.13.

**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 §127.441]****Operating permit terms and conditions.**

The permittee shall maintain accurate and comprehensive records of the calculations used to verify compliance with the particulate matter emission limitations for each exhaust associated with Source ID 155P. All records generated pursuant to this condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

**# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from the compliance assurance monitoring requirements of 40 CFR Section 64.6]

The permittee shall maintain accurate and comprehensive records verifying that no blow lines are in operation when a

**SECTION D. Source Level Requirements**

pressure drop of zero for Control Device ID N62 is observed. All records generated pursuant to this condition shall be retained 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.**

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.****# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Source ID 155P is a dry fuel handling operation comprised of the following:

- (1) four (4) dry fuel bins identified as baghouse bin, live bottom bin, quench cyclone bin and silo emergency discharge
- (2) a storage silo and associated conveying system

The dry fuel consists of sander dust, board chips, sawdust and wood fiber. The dry fuel materials that are pneumatically conveyed are received by a cyclone (Control Device ID N51), which drops the material into a bin, or a baghouse which sends the material to a second receiving cyclone (Control Device ID N52) on top of the silo or back to the same bin. The silo live bottom bin receives dry fuel from wheeled front-end bucket loaders to be pneumatically conveyed to the silo or to the boilers.

The particulate matter emissions from Control Device ID N51 Control Device ID N52 shall be controlled by a BHA baghouse (Control Device ID N62). In the event of a fire, the dry fuel material (sander dust, board chips, sawdust, and mat rejects) is pneumatically conveyed to four quench bin cyclones (Control Device ID C155) and is dropped by gravity into the quench bin of Source ID 155P.

**# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code Sections 127.1 and 127.12]

The dry wood silo emergency discharge of Source ID 155P shall be equipped with a flexible discharge to direct wood fiber to the ground.

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

**SECTION D. Source Level Requirements**

Source ID: 161P

Source Name: 2ND STAGE DRYERS/LINE 1 FELTER OPS

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 3

3.A

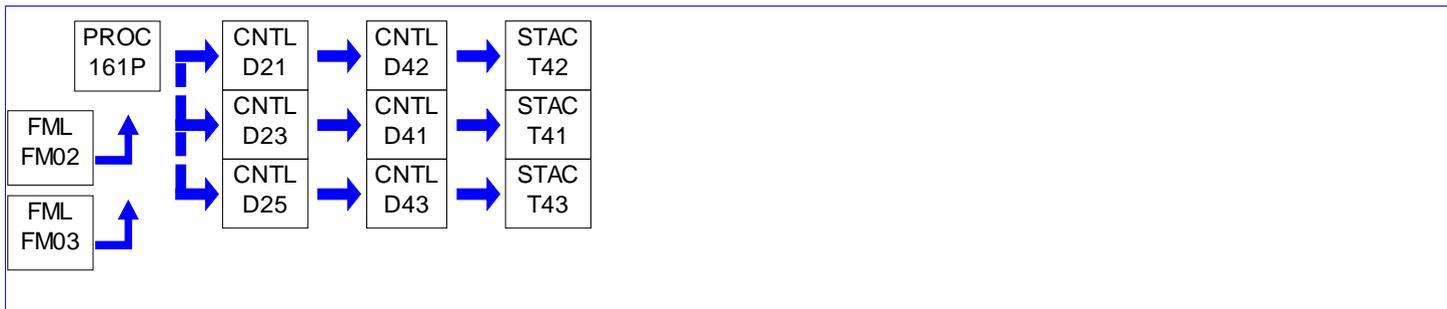
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7

9

PCWP MACT

RACT 141P &amp; 161P

**I. RESTRICTIONS.****Emission Restriction(s).**

# 001 [25 Pa. Code §123.13]

**Processes**

The permittee shall not permit the emission of particulate matter into the outdoor atmosphere from Source ID 161P in a manner such that the concentration of particulate matter in the effluent gas exceeds 0.04 grains per dry standard cubic foot.

# 002 [25 Pa. Code §123.21]

**General**

The permittee shall not permit the emission of sulfur oxides, expressed as SO<sub>2</sub>, into the outdoor atmosphere from the Source ID 161P in a manner such that the concentration of the sulfur oxides in the effluent gas exceeds 500 parts per million, by volume, dry basis.

**Fuel Restriction(s).**

# 003 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall only fire natural gas or propane in each of the four furnaces incorporated in Source ID 161P.

**II. TESTING REQUIREMENTS.**

# 004 [25 Pa. Code §129.100]

**Compliance demonstration and recordkeeping requirements.**

(1) By no later than October 31, 2019, and by no later than every five years thereafter (October 31, 2024, October 31, 2029, etc.), but, in each case, not more than one year prior to the specified deadline, the permittee shall perform stack testing to determine either the reduction of total hydrocarbons (as carbon) across Control Device IDs D42 and D43 or determine the concentration of total hydrocarbons (as carbon) contained in the effluent gas from Control Device IDs D42 and D43. All testing shall be performed while the respective source is operating at its normal maximum rate of production.

(2) At least 60 days prior to the performance of any testing required herein, the permittee shall submit a printed copy and an electronic copy in pdf format of a pretest protocol to the Northcentral Regional Air Program Manager (Department of Environmental Protection, 208 West Third Street, Suite 101, Williamsport, PA 17701) and to the Source Testing Section Program Manager (Division of Source Testing and Monitoring, Department of Environmental Protection, Rachel Carson State Office Building, 400 Market Street, Harrisburg, PA 17105) for review. The protocol shall describe the test methods and procedures to be used in the performance of testing, and shall include dimensioned sketches of the exhaust system showing the locations of all proposed sampling ports. The protocol shall also identify all process data which will be

**SECTION D. Source Level Requirements**

monitored and recorded during the performance of testing.

(3) At least 10 days prior to the performance of any testing required herein, the permittee shall notify the Department of the actual date(s) and time(s) that testing will occur so that Department personnel can arrange to be present during testing. The Department is under no obligation to accept the results of any testing performed without proper notification having first been given.

**III. MONITORING REQUIREMENTS.**

**# 005 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

Natural gas and propane usage for the four furnaces incorporated in Source ID 161P shall be continuously monitored.

**IV. RECORDKEEPING REQUIREMENTS.**

**# 006 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR Section 63.2282 and Section 2283]

The permittee shall maintain records listed in paragraphs (1) through (4) of this section for Source ID 161P.

(1) A copy of each notification and report that you submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status that you submitted, according to the requirements in 40 CFR Section 63.10(b)(2)(xiv).

(2) The records in 40 CFR Sections 63.6(e)(3)(iii) through (v) related to startup, shutdown, and malfunction.

(3) Documentation of your approved routine control device maintenance exemption, if you request such an exemption under 40 CFR Section 63.2251.

(4) Records of performance tests and performance evaluations as required in 40 CFR Section 63.10(b)(2)(viii).

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

**# 007 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The permittee shall maintain accurate and comprehensive records of the following:

(1) Supporting calculations used to verify compliance with the sulfur oxides and particulate matter emissions limitations from each exhaust associated with Source ID 161P.

(2) A monthly record of the natural gas and propane usage for the furnaces incorporated in Source ID 161P.

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

**V. REPORTING REQUIREMENTS.**

**# 008 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR 63.2280]

The permittee shall submit all notifications required by 40 CFR Sections 63.7(b) and (c), 63.8(e), (f)(4) and (f)(6), 63.9(b) through (e), (g) and (h) that apply to Source ID 161P to the U.S. Environmental Protection Agency and the Department by the dates specified.

**# 009 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR Section 63.2281]

The permittee shall submit an immediate startup, shutdown and malfunction report any time an action taken by the

**SECTION D. Source Level Requirements**

permittee during a startup or shutdown that caused Source 161P to exceed any applicable emission limitation in the relevant emission standards, or malfunction (including actions taken to correct a malfunction) is not consistent with the procedures specified in the Startup, Shutdown and Malfunction Plan for Source 161P. The permittee shall report the actions taken for the event by fax or telephone within two (2) working days after starting actions inconsistent with the plan. The information in 40 CFR Section 63.10(d)(5)(ii) shall be reported by letter within seven (7) working days after the end of the event unless the permittee has made alternative arrangements with the permitting authority.

**# 010 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR Section 63.2281]

The permittee shall submit semiannual reports for Source ID 161P which contain the following information:

- (1) Company name and address.
- (2) Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report.
- (3) Date of report and beginning and ending dates of the reporting period.
- (4) If you had a startup, shutdown, or malfunction during the reporting period and you took actions consistent with your Startup, Shutdown and Malfunction Plan, the compliance report must include the information specified in 40 CFR Section 63.10(d)(5)(i).
- (5) A description of control device maintenance performed while the control device was offline and one or more of the process units controlled by the control device was operating, including the information specified in paragraphs (5)(a) and (b) of this section.
  - (a) The date and time when the control device was shut down and restarted.
  - (b) Identification of the process units that were operating and the number of hours that each process unit operated while the control device was offline.
- (6) The results of any performance tests conducted during the semiannual reporting period.
- (7) If there are no deviations from any applicable compliance option or operating requirement, a statement that there were no deviations from the compliance options or operating requirements during the reporting period.
- (8) If there were no periods during which the continuous monitoring system (CMS), including CEMS and CPMS, was out-of-control as specified in 40 CFR Section 63.8(c)(7), a statement that there were no periods during which the CMS was out-of-control during the reporting period.

For each deviation from a compliance option or operating requirement occurring at an affected source where you are using a CMS to comply with the compliance options and operating requirements in this subpart, you must also include the information in paragraphs (1) through (11) of this section. This includes periods of startup, shutdown, and malfunction and routine control device maintenance.

- (1) The date and time that each malfunction started and stopped.
- (2) The date and time that each CMS was inoperative, except for zero (low-level) and high-level checks.
- (3) The date, time, and duration that each CMS was out-of-control, including the information in 40 CFR Section 63.8(c)(8).
- (4) The date and time that each deviation started and stopped, and whether each deviation occurred during a period of startup, shutdown, or malfunction; during a period of control device maintenance covered in your approved routine control device maintenance exemption; or during another period.
- (5) A summary of the total duration of the deviation during the reporting period and the total duration as a percent of the total source operating time during that reporting period.
- (6) A breakdown of the total duration of the deviations during the reporting period into those that are due to startup, shutdown, control system problems, control device maintenance, process problems, other known causes, and other unknown causes.
- (7) A summary of the total duration of CMS downtime during the reporting period and the total duration of CMS downtime as a percent of the total source operating time during that reporting period.
- (8) A brief description of the process units.
- (9) A brief description of the CMS.
- (10) The date of the latest CMS certification or audit.

**SECTION D. Source Level Requirements**

(11) A description of any changes in CMS, processes, or controls since the last reporting period.

The permittee must report all deviations as defined in this subpart in the semiannual monitoring report required by 40 CFR Section 70.6(a)(3)(iii)(A) or Section 71.6(a)(3)(iii)(A). If an affected source submits a compliance report pursuant to condition #008 herein along with, or as part of, the semiannual monitoring report required by 40 CFR Section 70.6(a)(3)(iii)(A) or Section 71.6(a)(3)(iii)(A), and the compliance report includes all required information concerning deviations from any compliance option or operating requirement in this subpart, submission of the compliance report shall be deemed to satisfy any obligation to report the same deviations in the semiannual monitoring report. However, submission of a compliance report shall not otherwise affect any obligation the affected source may have to report deviations from permit requirements to the permitting authority.

Each compliance report must cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31. Each subsequent compliance report must be postmarked or delivered no later than July 31 or January 31 for the semiannual reporting period ending on June 30 and December 31, respectively.

**# 011 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

Within 60 days following the completion of any testing required herein, the permittee shall submit a printed copy and an electronic copy in pdf format of a test report to the Northcentral Regional Air Program Manager (Department of Environmental Protection, 208 West Third Street, Suite 101, Williamsport, PA 17701) and the Source Testing Section Program Manager (Division of Source Testing and Monitoring, Department of Environmental Protection, Rachel Carson State Office Building, 400 Market Street, Harrisburg, PA 17105) for review. This test report shall contain the results of the testing, a description of the test methods and procedures actually used, copies of all raw test data with sample calculations and copies of all process data recorded during testing. The results of all testing shall be expressed in units which will allow direct comparisons to the emission limitation specified herein.

**VI. WORK PRACTICE REQUIREMENTS.****# 012 [25 Pa. Code §129.97]****Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule.**

[Additional authority for this permit condition is derived from 25 Pa. Code Section 129.91]

The furnaces incorporated in Source ID 161P shall be maintained and operated in accordance with the manufacturer's specifications and with good operating practices.

**VII. ADDITIONAL REQUIREMENTS.****# 013 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Source ID 161P is the "2nd stage dryer/Line 1 feltering operations" comprised of the following:

(1) four (4) Line 1 second stage drying units each incorporating steam coils, a 15 million Btu per hour natural gas/propane-fired furnace, a dryer tube and a cyclone. The 2nd stage drying cyclones are identified as Units 1 and 2 (Control Device ID D21) and Units 3 and 4 (Control Device ID D25). The air contaminant emissions from Units 1 and 2 (Control Device ID D21) incorporated in Source ID 161P shall be controlled by the Line 1 wet scrubber B (Control Device ID D42) and the air contaminant emissions from Units 3 and 4 (Control Device ID D25) incorporated in Source ID 161P shall be controlled by the Line 1 wet scrubber C (Control Device ID D43).

(2) Line 1 feltering operation incorporating five (5) felters, a precompressor, a flying cut off saw, a mat reject tipple, a mat reject bin, a reclaim bin and a reclaim reject bin. The Line 1 feltering operation also incorporates three (3) cyclones (the Line 1 scalper cyclone, the line 1 reclaim cyclone and the Line 1 #3 forming cyclone (Control Device ID D23)). The air contaminant emissions from the feltering operation incorporated in Source ID 161P shall be controlled primarily by the Line 1 wet scrubber A (Control Device ID D41). The Line 1 scalper cyclone air contaminant emissions shall be controlled by the Line 1 wet scrubbers B and C (Control Device ID D42 and Control Device ID D43, respectively).

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

**SECTION D. Source Level Requirements**

Source ID: 162P

Source Name: 2ND STAGE DRYERS/LINE 2 FELTER OPS

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 3

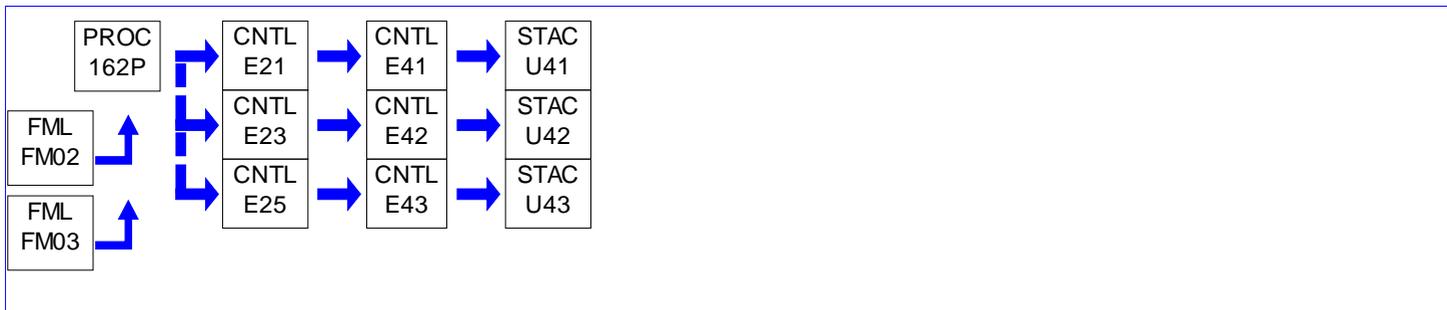
3.A

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PCWP MACT

RACT 142P &amp; 162P

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.13]****Processes**

The permittee shall not permit the emission of particulate matter into the outdoor atmosphere from Source ID 162P in a manner such that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

**# 002 [25 Pa. Code §123.21]****General**

The permittee shall not permit the emission of sulfur oxides, expressed as SO<sub>2</sub>, into the outdoor atmosphere from the Source ID 162P in a manner such that the concentration of the sulfur oxides in the effluent gas exceeds 500 parts per million, by volume, dry basis.

**# 003 [25 Pa. Code §129.91]****Control of major sources of NO<sub>x</sub> and VOCs**

The nitrogen oxides (NO<sub>x</sub>, expressed as NO<sub>2</sub>) and volatile organic compound emissions (resulting from the combustion of natural gas) from the four (4) Line 2 second stage fiber dryers incorporated in Source ID 162P shall not exceed 47.90 tons in any 12 consecutive month period and 2.00 tons in any 12 consecutive month period, respectively (these limits are based on the use of AP-42 emission factors for natural gas combustion).

**Fuel Restriction(s).****# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall only fire natural gas or propane in each of the 4 furnaces incorporated in Source ID 162P.

**II. TESTING REQUIREMENTS.****# 005 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

(1) By no later than March 31, 2019, and by no later than every five years thereafter (March 31, 2024, March 31, 2029, etc.), but, in each case, not more than one year prior to the specified deadline, the permittee shall perform stack testing to determine either the reduction of total hydrocarbons (as carbon) across Control Device IDs E41 and E43 or determine the concentration of total hydrocarbons (as carbon) contained in the effluent gas from Control Device IDs E41 and E43. All testing shall be performed while the respective source is operating at its normal maximum rate of production.

(2) At least 60 days prior to the performance of any testing required herein, the permittee shall submit a printed copy and an

**SECTION D. Source Level Requirements**

electronic copy in pdf format of a pretest protocol to the Northcentral Regional Air Program Manager (Department of Environmental Protection, 208 West Third Street, Suite 101, Williamsport, PA 17701) and to the Source Testing Section Program Manager (Division of Source Testing and Monitoring, Department of Environmental Protection, Rachel Carson State Office Building, 400 Market Street, Harrisburg, PA 17105) for review. The protocol shall describe the test methods and procedures to be used in the performance of testing, and shall include dimensioned sketches of the exhaust system showing the locations of all proposed sampling ports. The protocol shall also identify all process data which will be monitored and recorded during the performance of testing.

(3) At least 10 days prior to the performance of any testing required herein, the permittee shall notify the Department of the actual date(s) and time(s) that testing will occur so that Department personnel can arrange to be present during testing. The Department is under no obligation to accept the results of any testing performed without proper notification having first been given.

**III. MONITORING REQUIREMENTS.**

**# 006 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

Natural gas and propane usage for the four furnaces incorporated in Source ID 162P shall be continuously monitored.

**IV. RECORDKEEPING REQUIREMENTS.**

**# 007 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR Section 63.2282 and Section 2283]

The permittee shall maintain records listed in paragraphs (1) through (4) of this section for Source ID 162P.

(1) A copy of each notification and report that you submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status that you submitted, according to the requirements in 40 CFR Section 63.10(b)(2)(xiv).

(2) The records in 40 CFR Sections 63.6(e)(3)(iii) through (v) related to startup, shutdown, and malfunction.

(3) Documentation of your approved routine control device maintenance exemption, if you request such an exemption under 40 CFR Section 63.2251.

(4) Records of performance tests and performance evaluations as required in 40 CFR Section 63.10(b)(2)(viii).

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

**# 008 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The permittee shall maintain accurate and comprehensive records of the following:

(1) Supporting calculations used to verify compliance with the sulfur oxides and particulate matter emissions limitations from each exhaust associated with Source ID 162P.

(2) A monthly record of the natural gas and propane usage for the furnaces incorporated in Source ID 162P.

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

**V. REPORTING REQUIREMENTS.**

**# 009 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR Section 63.2281]

The permittee shall submit an immediate startup, shutdown and malfunction report any time an action taken by the permittee during a startup or shutdown that caused Source 162P to exceed any applicable emission limitation in the relevant emission standards, or malfunction (including actions taken to correct a malfunction) is not consistent with the

**SECTION D. Source Level Requirements**

procedures specified in the Startup, Shutdown and Malfunction Plan for Source 162P. The permittee shall report the actions taken for the event by fax or telephone within two (2) working days after starting actions inconsistent with the plan. The information in 40 CFR Section 63.10(d)(5)(ii) shall be reported by letter within seven (7) working days after the end of the event unless the permittee has made alternative arrangements with the permitting authority.

**# 010 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR Section 63.2281]

The permittee shall submit semiannual reports for Source ID 162P which contain the following information:

- (1) Company name and address.
- (2) Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report.
- (3) Date of report and beginning and ending dates of the reporting period.
- (4) If you had a startup, shutdown, or malfunction during the reporting period and you took actions consistent with your Startup, Shutdown and Malfunction Plan, the compliance report must include the information specified in 40 CFR Section 63.10(d)(5)(i).
- (5) A description of control device maintenance performed while the control device was offline and one or more of the process units controlled by the control device was operating, including the information specified in paragraphs (5)(a) and (b) of this section.
  - (a) The date and time when the control device was shut down and restarted.
  - (b) Identification of the process units that were operating and the number of hours that each process unit operated while the control device was offline.
- (6) The results of any performance tests conducted during the semiannual reporting period.
- (7) If there are no deviations from any applicable compliance option or operating requirement, a statement that there were no deviations from the compliance options or operating requirements during the reporting period.
- (8) If there were no periods during which the continuous monitoring system (CMS), including CEMS and CPMS, was out-of-control as specified in 40 CFR Section 63.8(c)(7), a statement that there were no periods during which the CMS was out-of-control during the reporting period.

For each deviation from a compliance option or operating requirement occurring at an affected source where you are using a CMS to comply with the compliance options and operating requirements in this subpart, you must also include the information in paragraphs (1) through (11) of this section. This includes periods of startup, shutdown, and malfunction and routine control device maintenance.

- (1) The date and time that each malfunction started and stopped.
- (2) The date and time that each CMS was inoperative, except for zero (low-level) and high-level checks.
- (3) The date, time, and duration that each CMS was out-of-control, including the information in 40 CFR Section 63.8(c)(8).
- (4) The date and time that each deviation started and stopped, and whether each deviation occurred during a period of startup, shutdown, or malfunction; during a period of control device maintenance covered in your approved routine control device maintenance exemption; or during another period.
- (5) A summary of the total duration of the deviation during the reporting period and the total duration as a percent of the total source operating time during that reporting period.
- (6) A breakdown of the total duration of the deviations during the reporting period into those that are due to startup, shutdown, control system problems, control device maintenance, process problems, other known causes, and other unknown causes.
- (7) A summary of the total duration of CMS downtime during the reporting period and the total duration of CMS downtime as a percent of the total source operating time during that reporting period.
- (8) A brief description of the process units.
- (9) A brief description of the CMS.
- (10) The date of the latest CMS certification or audit.
- (11) A description of any changes in CMS, processes, or controls since the last reporting period.

**SECTION D. Source Level Requirements**

The permittee must report all deviations as defined in this subpart in the semiannual monitoring report required by 40 CFR Section 70.6(a)(3)(iii)(A) or Section 71.6(a)(3)(iii)(A). If an affected source submits a compliance report pursuant to condition #010 herein along with, or as part of, the semiannual monitoring report required by 40 CFR Section 70.6(a)(3)(iii)(A) or Section 71.6(a)(3)(iii)(A), and the compliance report includes all required information concerning deviations from any compliance option or operating requirement in this subpart, submission of the compliance report shall be deemed to satisfy any obligation to report the same deviations in the semiannual monitoring report. However, submission of a compliance report shall not otherwise affect any obligation the affected source may have to report deviations from permit requirements to the permitting authority.

Each compliance report must cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31. Each subsequent compliance report must be postmarked or delivered no later than July 31 or January 31 for the semiannual reporting period ending on June 30 and December 31, respectively.

**# 011 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR 63.2280]

The permittee shall submit all notifications required by 40 CFR Sections 63.7(b) and (c), 63.8(e), (f)(4) and (f)(6), 63.9(b) through (e), (g) and (h) that apply to Source ID 162P to the U.S. Environmental Protection Agency and the Department by the dates specified.

**# 012 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

Within 60 days following the completion of any testing required herein, the permittee shall submit a printed copy and an electronic copy in pdf format of a test report to the Northcentral Regional Air Program Manager (Department of Environmental Protection, 208 West Third Street, Suite 101, Williamsport, PA 17701) and the Source Testing Section Program Manager (Division of Source Testing and Monitoring, Department of Environmental Protection, Rachel Carson State Office Building, 400 Market Street, Harrisburg, PA 17105) for review. This test report shall contain the results of the testing, a description of the test methods and procedures actually used, copies of all raw test data with sample calculations and copies of all process data recorded during testing. The results of all testing shall be expressed in units which will allow direct comparisons to the emission limitation specified herein.

**VI. WORK PRACTICE REQUIREMENTS.****# 013 [25 Pa. Code §129.97]****Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule.**

[Additional authority for this permit condition is derived from 25 Pa. Code Section 129.91]

The furnaces incorporated in Source ID 162P shall be maintained and operated in accordance with the manufacturer's specifications and with good operating practices.

**VII. ADDITIONAL REQUIREMENTS.****# 014 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Source ID 162P is the "2nd stage dryer/Line 2 feltering operations" comprised of the following equipment:

(1) four (4) Line 2 second stage drying units each incorporating an 18 million Btu per hour natural gas/propane-fired furnace, a dryer tube and a cyclone. The second stage drying cyclones are identified as Units 1 and 2 (Control Device ID E21) and Units 3 and 4 (Control Device ID E25). The air contaminant emissions from Units 1 and 2 (Control Device ID E21) incorporated in Source ID 162P shall be controlled by Line 2 wet scrubber A (Control Device ID E41) and the air contaminant emissions from Units 3 and 4 (Control Device ID E25) incorporated in Source ID 162P shall be controlled by Line 2 wet scrubber C (Control Device ID E43).

(2) Line 2 feltering operation incorporating five (5) felters, a precompressor, a flying cut off saw, a mat reject tiple, a mat reject bin, a reclaim bin and a reclaim reject bin. The Line 2 feltering operation also incorporates two (2) cyclones (the Line 2 reclaim cyclone and the Line 2 #3 forming cyclone (Control Device ID E23)). The air contaminant emissions from the feltering operation incorporated in Source ID 162P shall be controlled by the Line 2 wet scrubber B (Control Device ID E42).



**SECTION D. Source Level Requirements**

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

**SECTION D. Source Level Requirements**

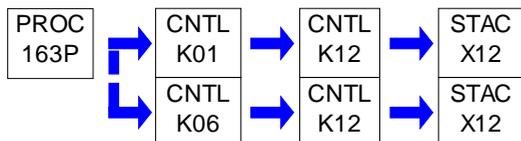
Source ID: 163P

Source Name: DIEFORM FELTER OPS

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 5

7

**I. RESTRICTIONS.****Emission Restriction(s).**

# 001 [25 Pa. Code §123.13]

**Processes**

The permittee shall not permit the emission of particulate matter into the outdoor atmosphere from Source ID 163P in a manner such that the concentration of particulate matter in the effluent gas exceeds 0.04 grains 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) 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 §127.441]

**Operating permit terms and conditions.**

The permittee shall maintain accurate and comprehensive records of the calculations used to verify compliance with the particulate matter emissions limitations from each exhaust associated with Source ID 163P. All records generated pursuant to this condition shall be retained 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.**

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 §127.441]

**Operating permit terms and conditions.**

Source ID 163P is a "Die Form feltering operation" comprised of the following:

**SECTION D. Source Level Requirements**

- (1) a Hardboard felter and associated equipment
- (2) a 5 foot diameter feed cyclone (Control Device ID K01)
- (3) an 8 foot diameter felter cyclone (Control Device ID K06)

The particulate matter emissions from Source ID 163P shall be controlled by a Ducon Type L, size 102 multivane centrifugal scrubber (Control Device ID K12).

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

**SECTION D. Source Level Requirements**

Source ID: 164P

Source Name: DIEFORM FIBER BLENDING

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 4

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.13]****Processes**

The permittee shall not permit the emission of particulate matter into the outdoor atmosphere from Source ID 164P in a manner such that the concentration of particulate matter in the effluent gas exceeds 0.04 grains per dry standard cubic foot.

**# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

The particulate emissions from Source ID 164P shall not exceed 0.13 pounds per hour (calculated on a monthly average basis) and 0.57 tons in any 12 consecutive month period.

**Throughput Restriction(s).****# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code Sections 127.1 and 127.12]

The use of the fiber blending facility operation incorporated in Source ID 164P shall be limited to the mechanical processing of wood fiber containing phenolic resins. No resin of any kind shall be added at the blending facility.

**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.****# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain accurate and comprehensive records of the amount of particulate matter emitted from fabric collector ID C164C each month in "pounds per hour on a monthly average basis." The records shall include supporting calculations and shall show compliance with the particulate matter emission limitation in any 12 consecutive month period.

All record generated pursuant to this condition shall be retained for a minimum of five (5) years and shall be 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) 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.**

**# 005 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

Source ID 164P is a "Die Form fiber blending operation" comprised of the following:

- (1) two (2) enclosed fiber blending machines and associated conveyors
- (2) a negative-air conveying system
- (3) a blender feed cyclone (Control Device ID C164A)
- (4) a "low velocity separator cyclone" (Control Device ID C164B)

The particulate matter emissions from Source ID 164P shall be controlled by a GDI fabric collector (Control Device ID 164C).

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

**SECTION D. Source Level Requirements**

Source ID: 171P

Source Name: LINE 1 PRESS

Source Capacity/Throughput:

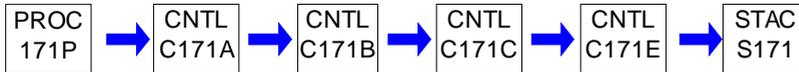
Conditions for this source occur in the following groups: 3

3.A

3.B

5

PCWP MACT

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.13]****Processes**

The permittee shall not permit the emission of particulate matter into the outdoor atmosphere from Source ID 171P in a manner such that the concentration of particulate matter in the effluent gas exceeds 0.04 grains per dry standard cubic foot.

**# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The emission of volatile organic compounds from Source ID 171P shall not exceed 19.90 tons (as propane by Method 25A) in any 12 consecutive month period.

**II. TESTING REQUIREMENTS.****# 003 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

(1) By no later than October 31, 2019, and by no later than every five years thereafter (October 31, 2024, October 31, 2029, etc.), but, in each case, not more than one year prior to the specified deadline, the permittee shall perform stack testing to determine either the reduction of total hydrocarbons (as carbon) across Control Device ID C171E or determine the concentration of total hydrocarbons (as carbon) contained in the effluent gas from Control Device ID C171E. All testing shall be performed while the respective source is operating at its normal maximum rate of production.

(2) At least 60 days prior to the performance of any testing required herein, the permittee shall submit a printed copy and an electronic copy in pdf format of a pretest protocol to the Northcentral Regional Air Program Manager (Department of Environmental Protection, 208 West Third Street, Suite 101, Williamsport, PA 17701) and to the Source Testing Section Program Manager (Division of Source Testing and Monitoring, Department of Environmental Protection, Rachel Carson State Office Building, 400 Market Street, Harrisburg, PA 17105) for review. The protocol shall describe the test methods and procedures to be used in the performance of testing, and shall include dimensioned sketches of the exhaust system showing the locations of all proposed sampling ports. The protocol shall also identify all process data which will be monitored and recorded during the performance of testing.

(3) At least 10 days prior to the performance of any testing required herein, the permittee shall notify the Department of the actual date(s) and time(s) that testing will occur so that Department personnel can arrange to be present during testing. The Department is under no obligation to accept the results of any testing performed without proper notification having first been given.

**III. MONITORING REQUIREMENTS.****# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from the compliance assurance monitoring requirements (CAM) of 40 CFR Section 64.6]

The final blowdown rate of the Source ID 171P scrubber system (Control Device ID C171A, Control Device ID C171B and Control Device ID C171C) shall be accurately and continuously measured. The blowdown rate shall not be less than 90

**SECTION D. Source Level Requirements**

gallons per minute.

Any parameter reading outside the allowable CAM (compliance assurance monitoring) range is defined as an excursion.

**IV. RECORDKEEPING REQUIREMENTS.****# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain accurate and comprehensive records of the following:

- (1) The square feet of product processed each month in Source ID 171P.
- (2) Supporting calculations used to verify compliance with the particulate matter emission limitation for Source ID 171P.
- (3) Supporting calculations used to verify compliance with the volatile organic compound emission limitation in any 12 consecutive month period for Source ID 171P.

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

**# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR Section 63.2282 and Section 2283]

The permittee shall maintain records listed in paragraphs (1) through (4) of this section for Source ID 171P.

- (1) A copy of each notification and report that you submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status that you submitted, according to the requirements in 40 CFR Section 63.10(b)(2)(xiv).
- (2) The records in 40 CFR Sections 63.6(e)(3)(iii) through (v) related to startup, shutdown, and malfunction.
- (3) Documentation of your approved routine control device maintenance exemption, if you request such an exemption under 40 CFR Section 63.2251.
- (4) Records of performance tests and performance evaluations as required in 40 CFR Section 63.10(b)(2)(viii).

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

**V. REPORTING REQUIREMENTS.****# 007 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall submit semiannual reports of the supporting calculations verifying compliance with the 12 consecutive month volatile organic compound emission limitation for Source ID 171P. The semiannual reports shall be submitted to the Department no later than March 1 (for January through December of the previous year) and September 1 (for July of the previous year through June of the current year).

**# 008 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR 63.2280]

The permittee shall submit all notifications required by 40 CFR Sections 63.7(b) and (c), 63.8(e), (f)(4) and (f)(6), 63.9(b) through (e), (g) and (h) that apply to Source ID 171P to the U.S. Environmental Protection Agency and the Department by the dates specified.

**# 009 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR Section 63.2281]

The permittee shall submit an immediate startup, shutdown and malfunction report any time an action taken by the

**SECTION D. Source Level Requirements**

permittee during a startup or shutdown that caused Source 171P to exceed any applicable emission limitation in the relevant emission standards, or malfunction (including actions taken to correct a malfunction) is not consistent with the procedures specified in the Startup, Shutdown and Malfunction Plan for Source 171P. The permittee shall report the actions taken for the event by fax or telephone within two (2) working days after starting actions inconsistent with the plan. The information in 40 CFR Section 63.10(d)(5)(ii) shall be reported by letter within seven (7) working days after the end of the event unless the permittee has made alternative arrangements with the permitting authority.

**# 010 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR Section 63.2281]

The permittee shall submit semiannual reports for Source ID 171P which contain the following information:

- (1) Company name and address.
- (2) Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report.
- (3) Date of report and beginning and ending dates of the reporting period.
- (4) If you had a startup, shutdown, or malfunction during the reporting period and you took actions consistent with your Startup, Shutdown and Malfunction Plan, the compliance report must include the information specified in 40 CFR Section 63.10(d)(5)(i).
- (5) A description of control device maintenance performed while the control device was offline and one or more of the process units controlled by the control device was operating, including the information specified in paragraphs (5)(a) and (b) of this section.
  - (a) The date and time when the control device was shut down and restarted.
  - (b) Identification of the process units that were operating and the number of hours that each process unit operated while the control device was offline.
- (6) The results of any performance tests conducted during the semiannual reporting period.
- (7) If there are no deviations from any applicable compliance option or operating requirement, a statement that there were no deviations from the compliance options or operating requirements during the reporting period.
- (8) If there were no periods during which the continuous monitoring system (CMS), including CEMS and CPMS, was out-of-control as specified in 40 CFR Section 63.8(c)(7), a statement that there were no periods during which the CMS was out-of-control during the reporting period.

For each deviation from a compliance option or operating requirement occurring at an affected source where you are using a CMS to comply with the compliance options and operating requirements in this subpart, you must also include the information in paragraphs (1) through (11) of this section. This includes periods of startup, shutdown, and malfunction and routine control device maintenance.

- (1) The date and time that each malfunction started and stopped.
- (2) The date and time that each CMS was inoperative, except for zero (low-level) and high-level checks.
- (3) The date, time, and duration that each CMS was out-of-control, including the information in 40 CFR Section 63.8(c)(8).
- (4) The date and time that each deviation started and stopped, and whether each deviation occurred during a period of startup, shutdown, or malfunction; during a period of control device maintenance covered in your approved routine control device maintenance exemption; or during another period.
- (5) A summary of the total duration of the deviation during the reporting period and the total duration as a percent of the total source operating time during that reporting period.
- (6) A breakdown of the total duration of the deviations during the reporting period into those that are due to startup, shutdown, control system problems, control device maintenance, process problems, other known causes, and other unknown causes.
- (7) A summary of the total duration of CMS downtime during the reporting period and the total duration of CMS downtime as a percent of the total source operating time during that reporting period.
- (8) A brief description of the process units.
- (9) A brief description of the CMS.
- (10) The date of the latest CMS certification or audit.

**SECTION D. Source Level Requirements**

(11) A description of any changes in CMS, processes, or controls since the last reporting period.

The permittee must report all deviations as defined in this subpart in the semiannual monitoring report required by 40 CFR Section 70.6(a)(3)(iii)(A) or Section 71.6(a)(3)(iii)(A). If an affected source submits a compliance report pursuant to condition #010 herein along with, or as part of, the semiannual monitoring report required by 40 CFR Section 70.6(a)(3)(iii)(A) or Section 71.6(a)(3)(iii)(A), and the compliance report includes all required information concerning deviations from any compliance option or operating requirement in this subpart, submission of the compliance report shall be deemed to satisfy any obligation to report the same deviations in the semiannual monitoring report. However, submission of a compliance report shall not otherwise affect any obligation the affected source may have to report deviations from permit requirements to the permitting authority.

Each compliance report must cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31. Each subsequent compliance report must be postmarked or delivered no later than July 31 or January 31 for the semiannual reporting period ending on June 30 and December 31, respectively.

**# 011 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

Within 60 days following the completion of any testing required herein, the permittee shall submit a printed copy and an electronic copy in pdf format of a test report to the Northcentral Regional Air Program Manager (Department of Environmental Protection, 208 West Third Street, Suite 101, Williamsport, PA 17701) and the Source Testing Section Program Manager (Division of Source Testing and Monitoring, Department of Environmental Protection, Rachel Carson State Office Building, 400 Market Street, Harrisburg, PA 17105) for review. This test report shall contain the results of the testing, a description of the test methods and procedures actually used, copies of all raw test data with sample calculations and copies of all process data recorded during testing. The results of all testing shall be expressed in units which will allow direct comparisons to the emission limitation specified herein.

**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.****# 012 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Source ID 171P is a Motala hardboard press (Line 1 Press) and associated equipment.

The air contaminant emissions from Source ID 171P shall be controlled by a water quencher (Control Device ID C171A), an AirPol/Koch/D.R. Technology, Inc. tray tower scrubber (Control Device ID C171B), a D.R. Technology, Inc. venturi scrubber (Control Device ID C171C) and a Ducon Environmental Systems, Inc. model size 186 cyclonic separator (Control Device ID C171E) operating in series.

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

**SECTION D. Source Level Requirements**

Source ID: 172P

Source Name: LINE 2 PRESS

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 10

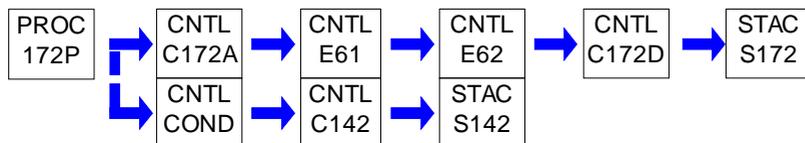
3

3.A

3.B

5

PCWP MACT

**I. RESTRICTIONS.****Emission Restriction(s).**

# 001 [25 Pa. Code §123.13]

**Processes**

The permittee shall not permit the emission of particulate matter into the outdoor atmosphere from Source ID 172P in a manner such that the concentration of particulate matter in the effluent gas exceeds 0.04 grains per dry standard cubic foot.

**II. TESTING REQUIREMENTS.**

# 002 [25 Pa. Code §129.100]

**Compliance demonstration and recordkeeping requirements.**

- (1) By no later than March 31, 2019, and by no later than every five years thereafter (March 31, 2024, March 31, 2029, etc.), but, in each case, not more than one year prior to the specified deadline, the permittee shall perform stack testing to determine either the reduction of total hydrocarbons (as carbon) across Control Device ID C172D or determine the concentration of total hydrocarbons (as carbon) contained in the effluent gas from Control Device ID C172D. All testing shall be performed while the respective source is operating at its normal maximum rate of production.
- (2) At least 60 days prior to the performance of any testing required herein, the permittee shall submit a printed copy and an electronic copy in pdf format of a pretest protocol to the Northcentral Regional Air Program Manager (Department of Environmental Protection, 208 West Third Street, Suite 101, Williamsport, PA 17701) and to the Source Testing Section Program Manager (Division of Source Testing and Monitoring, Department of Environmental Protection, Rachel Carson State Office Building, 400 Market Street, Harrisburg, PA 17105) for review. The protocol shall describe the test methods and procedures to be used in the performance of testing, and shall include dimensioned sketches of the exhaust system showing the locations of all proposed sampling ports. The protocol shall also identify all process data which will be monitored and recorded during the performance of testing.
- (3) At least 10 days prior to the performance of any testing required herein, the permittee shall notify the Department of the actual date(s) and time(s) that testing will occur so that Department personnel can arrange to be present during testing. The Department is under no obligation to accept the results of any testing performed without proper notification having first been given.

**III. MONITORING REQUIREMENTS.**

# 003 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from the compliance assurance monitoring (CAM) requirements of 40 CFR Section 64.6]

The Line 2 press steam condenser thermocouple shall be calibrated at least annually. The thermocouple shall be accurate to within 2.7°F of the temperature measured.

In accordance with the CAM Technical Guidance Document (rev. 8/98, section 4.2.2.5.1 on pg. 4-16), the accuracy should be

**SECTION D. Source Level Requirements**

charted and the monitor's drift calculated, recorded, and monitored. If the drift is near or beyond the limit of accuracy (80% of acceptable error), the calibration period shall be adjusted, and the procedure set forth in the CAM Technical Guidance Document should be implemented to ensure a proper calibration period.

**# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The differential pressure shall be continuously monitored across Control Device ID C172D and shall be equipped with an alarm which will be activated if the differential pressure falls below the required minimum (required minimum for the chevron mist eliminator shall be based on good operating practice and past experience).

**# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from the compliance assurance monitoring (CAM) requirements of 40 CFR Section 64.6]

The blowdown rate of the Source ID 172P scrubber system (Control Device ID C172A, Control Device ID E61 and Control Device ID E62) shall be accurately and continuously measured. The blowdown rate shall not be less than 100 gallons per minute.

Any parameter reading outside the allowable CAM range is defined as an excursion.

**# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from the compliance assurance monitoring (CAM) requirements of 40 CFR Section 64.6]

Control Device ID COND shall be equipped with a Type J, 18" thermocouple that shall accurately and continuously measure the water temperature in the condenser. The water temperature in the steam condenser shall not exceed 188°F.

Any parameter reading outside the allowable CAM range is defined as an excursion.

**IV. RECORDKEEPING REQUIREMENTS.****# 007 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain accurate and comprehensive records of the following:

- (1) The dry tons of product processed each month in Source ID 172P.
- (2) Supporting calculations used to verify compliance with the particulate matter emission limitation from the exhaust of Control Device ID C172D and the combined exhaust of Source ID 172P and Source ID 142P.
- (3) The pressure differential across Control Device ID C172D. The subject parameter shall be recorded at least once each operating shift.

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

**# 008 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain accurate and comprehensive records of the amount of volatile organic compounds emitted each month from both the Line 2 Press Hood and the combined exhaust of the Line 2 refiners and first stage dryers incorporated in Source ID 142P and the Line 2 press cavity steam incorporated in Source ID 172P, including supporting calculations; the records shall also show compliance with all volatile organic compound emissions limitations for these sources.

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

**SECTION D. Source Level Requirements****# 009 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR Section 63.2282 and Section 2283]

The permittee shall maintain records listed in paragraphs (1) through (4) of this section for Source ID 172P.

- (1) A copy of each notification and report that you submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status that you submitted, according to the requirements in 40 CFR Section 63.10(b)(2)(xiv).
- (2) The records in 40 CFR Sections 63.6(e)(3)(iii) through (v) related to startup, shutdown, and malfunction.
- (3) Documentation of your approved routine control device maintenance exemption, if you request such an exemption under 40 CFR Section 63.2251.
- (4) Records of performance tests and performance evaluations as required in 40 CFR Section 63.10(b)(2)(viii).

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

**V. REPORTING REQUIREMENTS.****# 010 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall submit semiannual reports of the monthly volatile organic compound emissions from the Line 2 press hood and the combined exhaust of the Line 2 press cavity steam incorporated in Source ID 172P and the Line 2 first stage dryers incorporated in Source ID 142P, including supporting calculations; the reports shall also verify compliance with each of the 12 consecutive month volatile organic compound emission limitations.

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

**# 011 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR 63.2280]

The permittee shall submit all notifications required by 40 CFR Sections 63.7(b) and (c), 63.8(e), (f)(4) and (f)(6), 63.9(b) through (e), (g) and (h) that apply to Source ID 172P to the U.S. Environmental Protection Agency and the Department by the dates specified.

**# 012 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR Section 63.2281]

The permittee shall submit an immediate startup, shutdown and malfunction report any time an action taken by the permittee during a startup or shutdown that caused Source 172P to exceed any applicable emission limitation in the relevant emission standards, or malfunction (including actions taken to correct a malfunction) is not consistent with the procedures specified in the Startup, Shutdown and Malfunction Plan for Source 172P. The permittee shall report the actions taken for the event by fax or telephone within two (2) working days after starting actions inconsistent with the plan. The information in 40 CFR Section 63.10(d)(5)(ii) shall be reported by letter within seven (7) working days after the end of the event unless the permittee has made alternative arrangements with the permitting authority.

**# 013 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR Section 63.2281]

The permittee shall submit semiannual reports for Source ID 172P which contain the following information:

- (1) Company name and address.

**SECTION D. Source Level Requirements**

- (2) Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report.
- (3) Date of report and beginning and ending dates of the reporting period.
- (4) If you had a startup, shutdown, or malfunction during the reporting period and you took actions consistent with your Startup, Shutdown and Malfunction Plan, the compliance report must include the information specified in 40 CFR Section 63.10(d)(5)(i).
- (5) A description of control device maintenance performed while the control device was offline and one or more of the process units controlled by the control device was operating, including the information specified in paragraphs (5)(a) and (b) of this section.
  - (a) The date and time when the control device was shut down and restarted.
  - (b) Identification of the process units that were operating and the number of hours that each process unit operated while the control device was offline.
- (6) The results of any performance tests conducted during the semiannual reporting period.
- (7) If there are no deviations from any applicable compliance option or operating requirement, a statement that there were no deviations from the compliance options or operating requirements during the reporting period.
- (8) If there were no periods during which the continuous monitoring system (CMS), including CEMS and CPMS, was out-of-control as specified in 40 CFR Section 63.8(c)(7), a statement that there were no periods during which the CMS was out-of-control during the reporting period.

For each deviation from a compliance option or operating requirement occurring at an affected source where you are using a CMS to comply with the compliance options and operating requirements in this subpart, you must also include the information in paragraphs (1) through (11) of this section. This includes periods of startup, shutdown, and malfunction and routine control device maintenance.

- (1) The date and time that each malfunction started and stopped.
- (2) The date and time that each CMS was inoperative, except for zero (low-level) and high-level checks.
- (3) The date, time, and duration that each CMS was out-of-control, including the information in 40 CFR Section 63.8(c)(8).
- (4) The date and time that each deviation started and stopped, and whether each deviation occurred during a period of startup, shutdown, or malfunction; during a period of control device maintenance covered in your approved routine control device maintenance exemption; or during another period.
- (5) A summary of the total duration of the deviation during the reporting period and the total duration as a percent of the total source operating time during that reporting period.
- (6) A breakdown of the total duration of the deviations during the reporting period into those that are due to startup, shutdown, control system problems, control device maintenance, process problems, other known causes, and other unknown causes.
- (7) A summary of the total duration of CMS downtime during the reporting period and the total duration of CMS downtime as a percent of the total source operating time during that reporting period.
- (8) A brief description of the process units.
- (9) A brief description of the CMS.
- (10) The date of the latest CMS certification or audit.
- (11) A description of any changes in CMS, processes, or controls since the last reporting period.

The permittee must report all deviations as defined in this subpart in the semiannual monitoring report required by 40 CFR Section 70.6(a)(3)(iii)(A) or Section 71.6(a)(3)(iii)(A). If an affected source submits a compliance report pursuant to condition #013 herein along with, or as part of, the semiannual monitoring report required by 40 CFR Section 70.6(a)(3)(iii)(A) or Section 71.6(a)(3)(iii)(A), and the compliance report includes all required information concerning deviations from any compliance option or operating requirement in this subpart, submission of the compliance report shall be deemed to satisfy any obligation to report the same deviations in the semiannual monitoring report. However, submission of a compliance report shall not otherwise affect any obligation the affected source may have to report deviations from permit requirements to the permitting authority.

Each compliance report must cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31. Each subsequent compliance report must be postmarked or delivered no later than July 31 or January 31 for the semiannual reporting period ending on June 30 and December 31, respectively.

**SECTION D. Source Level Requirements****# 014 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

Within 60 days following the completion of any testing required herein, the permittee shall submit a printed copy and an electronic copy in pdf format of a test report to the Northcentral Regional Air Program Manager (Department of Environmental Protection, 208 West Third Street, Suite 101, Williamsport, PA 17701) and the Source Testing Section Program Manager (Division of Source Testing and Monitoring, Department of Environmental Protection, Rachel Carson State Office Building, 400 Market Street, Harrisburg, PA 17105) for review. This test report shall contain the results of the testing, a description of the test methods and procedures actually used, copies of all raw test data with sample calculations and copies of all process data recorded during testing. The results of all testing shall be expressed in units which will allow direct comparisons to the emission limitation specified herein.

**VI. WORK PRACTICE REQUIREMENTS.****# 015 [25 Pa. Code §129.97]****Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule.**

Control Device ID C172 shall be maintained and operated in accordance with the manufacturer's specifications and with good operating practices.

**VII. ADDITIONAL REQUIREMENTS.****# 016 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Source ID 172P is a Washington Iron Works hardboard press (Line 2 press) modified in 1998 by Sunds Defibrator to produce Trimboard.

The air contaminant emissions from the Line 2 Press (hood emissions) incorporated in Source ID 172P shall be controlled by a DR Technology quencher (Control Device ID C172A), a Koch/DR Technology tray scrubber (Control Device ID E61), a DR Technology high energy variable throat venturi scrubber (Control Device ID E62) and a chevron mist eliminator (Control Device ID C172D) operating in series. The air contaminant emissions from the Line 2 Press (cavity steam emissions) of Source ID 172P shall be controlled by a steam condenser (Control Device ID COND) with accumulator tanks, followed by a 12' x 12' x 12' water dropout box followed by a Durr Systems, Inc. model RL rotary valve regenerative thermal oxidizer (RTO) (Control Device ID C142), operating in series.

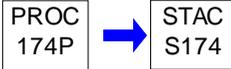
\*\*\* **Permit Shield in Effect.** \*\*\*

**SECTION D. Source Level Requirements**

Source ID: 174P

Source Name: LINE 2 - DIE &amp; PLATE CLEANING AREA

Source Capacity/Throughput:

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

The volatile organic compound emissions from Source ID 174P shall not equal or exceed 2.70 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).

**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 §127.441]****Operating permit terms and conditions.**

The permittee shall maintain accurate and comprehensive records of the amount of volatile organic compounds emitted from Source ID 174P each month, including supporting calculations; the records shall also show compliance with the volatile organic compound emission limitation in any 12 consecutive month period. All records generated pursuant to this condition shall be retained 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).

**VI. WORK PRACTICE REQUIREMENTS.****# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The die and plate cleaning area dedicated to Line 2 shall only be used to clean Line 2 Press (Source ID 172P) equipment.

**VII. ADDITIONAL REQUIREMENTS.****# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Source ID 174P is the Line 1, Line 2 and Die Form die cleaning areas (including the die and plate cleaning area dedicated to Line 2).

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

**SECTION D. Source Level Requirements**

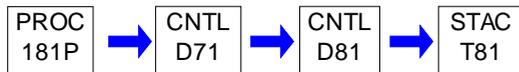
Source ID: 181P

Source Name: LINE 1 PRE-TRIM SAWS

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 5

7

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.13]****Processes**

The permittee shall not permit the emission of particulate matter into the outdoor atmosphere from Source ID 181P in a manner such that the concentration of particulate matter in the effluent gas exceeds 0.04 grains 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) 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 §127.441]****Operating permit terms and conditions.**

The permittee shall maintain accurate and comprehensive records of the supporting calculations used to verify compliance with the particulate matter emission limitation for Source ID 181P. All records generated pursuant to this condition shall be retained 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.****# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Source ID 181P shall not be operated at any time without the simultaneous operation of the respective control devices (Control Device ID D71 and Control Device ID D81).

**VII. ADDITIONAL REQUIREMENTS.****# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Source ID 181P is the "Line 1 pre-trim edge saws operation" and associated fiber dump bin. The particulate matter emissions from Source ID 181P shall be controlled by Clarke Sheetmetal Company 7 foot diameter cyclone (Control Device ID D71) and a Ducon "Multivane" wet scrubber (Model II, Type L, Size 90), identified as scrubber #9, (Control Device ID D81) operating in series.



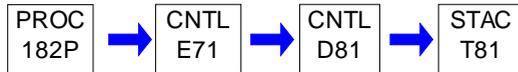
**SECTION D. Source Level Requirements**

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

**SECTION D. Source Level Requirements**

Source ID: 182P Source Name: LINE 2 PRE-TRIM SAWS

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 5  
7**I. RESTRICTIONS.****Emission Restriction(s).**

# 001 [25 Pa. Code §123.13]

**Processes**

The permittee shall not permit the emission of particulate matter into the outdoor atmosphere from Source ID 182P in a manner such that the concentration of particulate matter in the effluent gas exceeds 0.04 grains 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) 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 §127.441]

**Operating permit terms and conditions.**

The permittee shall maintain accurate and comprehensive records of the supporting calculations used to verify compliance with the particulate matter emission limitation for Source ID 182P. All records generated pursuant to this condition shall be retained 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.**

# 003 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

Source ID 182P shall not be operated at any time without the simultaneous operation of the respective control devices (Control Device ID E71 and Control Device ID D81).

**VII. ADDITIONAL REQUIREMENTS.**

# 004 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

Source ID 182P is the "Line 2 pre-trim edge saws operation" and associated fiber dump bin. The particulate matter emissions from Source ID 182P shall be controlled by a Clarke Sheetmetal Company 7 foot diameter cyclone (Control Device ID E71) and a Ducon "Multivane" wet scrubber (Model II, Type L, Size 90), identified as scrubber #9, (Control Device ID D81) operating in series.



**SECTION D. Source Level Requirements**

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

**SECTION D. Source Level Requirements**

Source ID: 184P

Source Name: DIE FORM PRESS

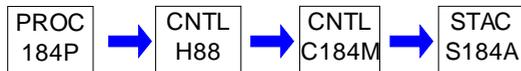
Source Capacity/Throughput:

Conditions for this source occur in the following groups: 3

3.A

3.B

PCWP MACT

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.13]****Processes**

The permittee shall not permit the emission of particulate matter into the outdoor atmosphere from Source ID 184P in a manner such that the concentration of particulate matter in the effluent gas exceeds 0.04 grains per dry standard cubic foot.

**# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code Sections 127.1 and 127.12]

The volatile organic compound emissions from Source ID 184P shall not exceed 11.80 tons (as propane by Method 25A) in any 12 consecutive month period.

**II. TESTING REQUIREMENTS.****# 003 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

(1) By no later than November 30, 2018, and by no later than every five years thereafter (November 30, 2023, November 30, 2028, etc.), but, in each case, not more than one year prior to the specified deadline, the permittee shall perform stack testing to determine either the reduction of total hydrocarbons (as carbon) across Control Device ID C184M or determine the concentration of total hydrocarbons (as carbon) contained in the effluent gas from Control Device ID C184M. All testing shall be performed while the respective source is operating at its normal maximum rate of production.

(2) At least 60 days prior to the performance of any testing required herein, the permittee shall submit a printed copy and an electronic copy in pdf format of a pretest protocol to the Northcentral Regional Air Program Manager (Department of Environmental Protection, 208 West Third Street, Suite 101, Williamsport, PA 17701) and to the Source Testing Section Program Manager (Division of Source Testing and Monitoring, Department of Environmental Protection, Rachel Carson State Office Building, 400 Market Street, Harrisburg, PA 17105) for review. The protocol shall describe the test methods and procedures to be used in the performance of testing, and shall include dimensioned sketches of the exhaust system showing the locations of all proposed sampling ports. The protocol shall also identify all process data which will be monitored and recorded during the performance of testing.

(3) At least 10 days prior to the performance of any testing required herein, the permittee shall notify the Department of the actual date(s) and time(s) that testing will occur so that Department personnel can arrange to be present during testing. The Department is under no obligation to accept the results of any testing performed without proper notification having first been given.

**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 §127.441]****Operating permit terms and conditions.**

The permittee shall maintain accurate and comprehensive records of the following:

- (1) The square feet of product processed each month in Source ID 184P.
- (2) Supporting calculations used to verify compliance with the particulate matter emission limitation for Source ID 184P.
- (3) Supporting calculations used to verify compliance with the volatile organic compound emission limitation in any 12 consecutive month period for Source ID 184P.

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

**# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR Section 63.2282 and Section 2283]

The permittee shall maintain records listed in paragraphs (1) through (4) of this section for Source ID 184P.

- (1) A copy of each notification and report that you submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status that you submitted, according to the requirements in 40 CFR Section 63.10(b)(2)(xiv).
- (2) The records in 40 CFR Sections 63.6(e)(3)(iii) through (v) related to startup, shutdown, and malfunction.
- (3) Documentation of your approved routine control device maintenance exemption, if you request such an exemption under 40 CFR Section 63.2251.
- (4) Records of performance tests and performance evaluations as required in 40 CFR Section 63.10(b)(2)(viii).

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

**V. REPORTING REQUIREMENTS.****# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall submit semiannual reports of the supporting calculations verifying compliance with the 12 consecutive month volatile organic compound emission limitation for Source ID 184P. The semiannual reports shall be submitted to the Department no later than March 1 (for January through December of the previous year) and September 1 (for July of the previous year through June of the current year).

**# 007 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR 63.2280]

The permittee shall submit all notifications required by 40 CFR Sections 63.7(b) and (c), 63.8(e), (f)(4) and (f)(6), 63.9(b) through (e), (g) and (h) that apply to Source ID 184P to the U.S. Environmental Protection Agency and the Department by the dates specified.

**# 008 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR Section 63.2281]

The permittee shall submit an immediate startup, shutdown and malfunction report any time an action taken by the permittee during a startup or shutdown that caused Source 184P to exceed any applicable emission limitation in the relevant emission standards, or malfunction (including actions taken to correct a malfunction) is not consistent with the procedures specified in the Startup, Shutdown and Malfunction Plan for Source 184P. The permittee shall report the actions taken for the event by fax or telephone within two (2) working days after starting actions inconsistent with the plan. The information in 40 CFR Section 63.10(d)(5)(ii) shall be reported by letter within seven (7) working days after the end of the

**SECTION D. Source Level Requirements**

event unless the permittee has made alternative arrangements with the permitting authority.

**# 009 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR Section 63.2281]

The permittee shall submit semiannual reports for Source ID 184P which contain the following information:

- (1) Company name and address.
- (2) Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report.
- (3) Date of report and beginning and ending dates of the reporting period.
- (4) If you had a startup, shutdown, or malfunction during the reporting period and you took actions consistent with your Startup, Shutdown and Malfunction Plan, the compliance report must include the information specified in 40 CFR Section 63.10(d)(5)(i).
- (5) A description of control device maintenance performed while the control device was offline and one or more of the process units controlled by the control device was operating, including the information specified in paragraphs (5)(a) and (b) of this section.
  - (a) The date and time when the control device was shut down and restarted.
  - (b) Identification of the process units that were operating and the number of hours that each process unit operated while the control device was offline.
- (6) The results of any performance tests conducted during the semiannual reporting period.
- (7) If there are no deviations from any applicable compliance option or operating requirement, a statement that there were no deviations from the compliance options or operating requirements during the reporting period.
- (8) If there were no periods during which the continuous monitoring system (CMS), including CEMS and CPMS, was out-of-control as specified in 40 CFR Section 63.8(c)(7), a statement that there were no periods during which the CMS was out-of-control during the reporting period.

For each deviation from a compliance option or operating requirement occurring at an affected source where you are using a CMS to comply with the compliance options and operating requirements in this subpart, you must also include the information in paragraphs (1) through (11) of this section. This includes periods of startup, shutdown, and malfunction and routine control device maintenance.

- (1) The date and time that each malfunction started and stopped.
- (2) The date and time that each CMS was inoperative, except for zero (low-level) and high-level checks.
- (3) The date, time, and duration that each CMS was out-of-control, including the information in 40 CFR Section 63.8(c)(8).
- (4) The date and time that each deviation started and stopped, and whether each deviation occurred during a period of startup, shutdown, or malfunction; during a period of control device maintenance covered in your approved routine control device maintenance exemption; or during another period.
- (5) A summary of the total duration of the deviation during the reporting period and the total duration as a percent of the total source operating time during that reporting period.
- (6) A breakdown of the total duration of the deviations during the reporting period into those that are due to startup, shutdown, control system problems, control device maintenance, process problems, other known causes, and other unknown causes.
- (7) A summary of the total duration of CMS downtime during the reporting period and the total duration of CMS downtime as a percent of the total source operating time during that reporting period.
- (8) A brief description of the process units.
- (9) A brief description of the CMS.
- (10) The date of the latest CMS certification or audit.
- (11) A description of any changes in CMS, processes, or controls since the last reporting period.

The permittee must report all deviations as defined in this subpart in the semiannual monitoring report required by 40 CFR

**SECTION D. Source Level Requirements**

Section 70.6(a)(3)(iii)(A) or Section 71.6(a)(3)(iii)(A). If an affected source submits a compliance report pursuant to condition #009 herein along with, or as part of, the semiannual monitoring report required by 40 CFR Section 70.6(a)(3)(iii)(A) or Section 71.6(a)(3)(iii)(A), and the compliance report includes all required information concerning deviations from any compliance option or operating requirement in this subpart, submission of the compliance report shall be deemed to satisfy any obligation to report the same deviations in the semiannual monitoring report. However, submission of a compliance report shall not otherwise affect any obligation the affected source may have to report deviations from permit requirements to the permitting authority.

Each compliance report must cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31. Each subsequent compliance report must be postmarked or delivered no later than July 31 or January 31 for the semiannual reporting period ending on June 30 and December 31, respectively.

**# 010 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

Within 60 days following the completion of any testing required herein, the permittee shall submit a printed copy and an electronic copy in pdf format of a test report to the Northcentral Regional Air Program Manager (Department of Environmental Protection, 208 West Third Street, Suite 101, Williamsport, PA 17701) and the Source Testing Section Program Manager (Division of Source Testing and Monitoring, Department of Environmental Protection, Rachel Carson State Office Building, 400 Market Street, Harrisburg, PA 17105) for review. This test report shall contain the results of the testing, a description of the test methods and procedures actually used, copies of all raw test data with sample calculations and copies of all process data recorded during testing. The results of all testing shall be expressed in units which will allow direct comparisons to the emission limitation specified herein.

**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.****# 011 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Source ID 184P is a Motala Die Form hardboard press, the air contaminant emissions from which shall be controlled by a D.R. Technology high-energy venturi scrubber (Control Device ID H88) followed by a mist eliminator (Control Device ID C184M).

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

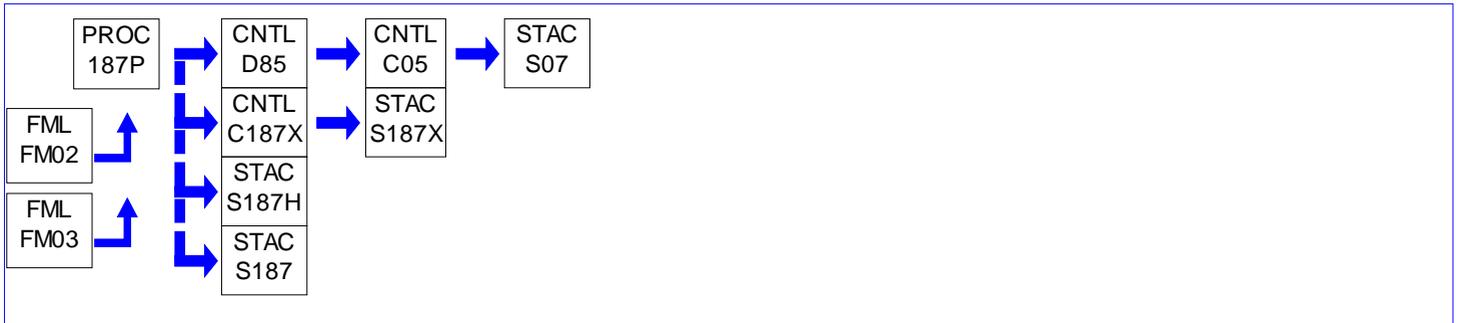
**SECTION D. Source Level Requirements**

Source ID: 187P

Source Name: DIE FORM COATING

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 4

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.21]****General**

The permittee shall not permit the emission of sulfur oxides, expressed as SO<sub>2</sub>, into the outdoor atmosphere from the Source ID 187P in a manner such that the concentration of the sulfur oxides in the effluent gas exceeds 500 parts per million, by volume, dry basis.

**# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code Sections 127.1 and 127.12]

The permittee shall not permit the emission of particulate matter, including PM<sub>10</sub> and PM<sub>2.5</sub>, into the outdoor atmosphere from Source ID 187P in a manner such that the concentration of particulate matter, including PM<sub>10</sub> and PM<sub>2.5</sub>, in the effluent gas from Control Device C05 and Control Device S187X exceeds 0.01 grains per dry standard cubic foot.

Compliance with this permit condition also ensures compliance with 25 Pa. Code Section 123.13.

**# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code Sections 127.1 and 127.12]

The total combined volatile organic compound emissions from Source ID 187P shall not exceed 60.29 tons in any 12 consecutive month period and the total combined formaldehyde emissions from Source ID 187P shall not exceed 0.672 tons in any 12 consecutive month period.

**# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR 63.4690]

(1) The organic hazardous air pollutant content of each coating used in Source ID 187P for “exterior siding and primed doorskins” shall not exceed 0.06 pounds per gallon of solids, the organic hazardous air pollutant content of each coating used in Source ID 187P for “doors, windows and miscellaneous” shall not exceed 1.93 pounds per gallon of solids and the thinners and cleaning materials used in Source ID 187P shall contain no organic hazardous air pollutants should the permittee decide to determine compliance with these limitations in accordance with the “compliant material option” requirements specified in 40 CFR 63.4741. Continuous compliance with these limitations shall be demonstrated in accordance with 40 CFR 63.4742.

(2) The organic hazardous air pollutant content of coatings, thinners and cleaning materials used in Source ID 187P for “exterior siding and primed doorskins” shall not exceed 0.06 pounds per gallon of solids, calculated as a 12-month rolling average and determined on a monthly basis, and the organic hazardous air pollutant content of coatings, thinners and

**SECTION D. Source Level Requirements**

cleaning materials used in Source ID 187P for "doors, windows and miscellaneous" shall not exceed 1.93 pounds per gallon of solids, calculated as a 12-month rolling average and determined on a monthly basis, should the permittee decide to determine compliance with these limitations in accordance with the "emission rate without add-on controls option" requirements specified in 40 CFR 63.4751. Continuous compliance with this limitation shall be demonstrated in accordance with 40 CFR 63.4752.

**# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code Sections 127.1 and 127.12]

The total combined volatile organic compound emissions from spray booth #1 and spray booth #2 incorporated in Source ID 187P shall not exceed the following:

"Coating System" - pounds of volatile organic compounds per thousand square feet of product produced (as determined on a quarterly average basis)

'A/R Primed' - 2.0

'J-W Primed' - 1.0

'All Other Primed' - 1.5

'Prefinished' - 3.0

'Primer/Sealer/AMM' - 2.2

**# 006 [25 Pa. Code §129.52c]****Control of VOC emissions from flat wood paneling surface coating processes.**

The permittee shall not permit the emission of volatile organic compounds into the outdoor atmosphere from Source ID 187P unless the volatile organic compound content of each as applied coating is equal to or less than 2.9 pounds per gallon coating solids.

The volatile organic compound content of each as applied coating, expressed in units of weight of volatile organic compound per volume of coating solids, shall be calculated as follows:

$$\text{VOC} = (\text{Wo})(\text{Dc})/\text{Vn}$$

Where:

VOC = Volatile organic compound content in pounds of volatile organic compounds per gallon of coating solids.

Wo = Weight percent of volatile organic compounds (Wv-Ww-Wex).

Wv = Weight percent of total volatiles (100% - weight percent solids).

Ww = Weight percent of water.

Wex = Weight percent of exempt solvent(s).

Dc = Density of coating, pounds per gallon, at 25° C.

Vn = Volume percent of solids of the as applied coating.

The volatile organic compound content limit may also be met by calculating a weighted average of the volatile organic compound content of all coatings used in Source ID 187P each day. The daily weighted average shall be calculated using the following equation:

$$\text{VOCw} = ((\text{Ci})(\text{Vi})+(\text{Ci}+1)(\text{Vi}+1))\dots (\text{Cn})(\text{Vn}))/\text{Vt}$$

Where:

VOCw = The daily weighted average volatile organic compound content, as applied, of all coatings used on a single flat wood paneling surface coating process line, in pounds of volatile organic compounds per gallon of coating solids.

n = The number of different coatings used each day on the single flat wood paneling surface coating process line.

Vi = The volume solids for each coating, as applied, used each day on the single flat wood paneling surface coating process line, in gallons.

**SECTION D. Source Level Requirements**

Ci = The volatile organic compound content of each coating, as applied, used each day on the single flat wood paneling surface coating process line, in pounds of volatile organic compounds per gallon coating solids.

Vt = The total volume of solids for all coatings combined, as applied, used each day on the single flat wood paneling surface coating process line, in gallons.

Sampling and testing shall be done in accordance with the procedures and test methods specified in 25 Pa. Code Chapter 139 (relating to sampling and testing).

The volatile organic compound coating content limitation does not apply to a coating used exclusively for determining product quality and commercial acceptance and other small quantity coatings, if the coating meets the following criteria:

(1) The quantity of coating used does not exceed 50 gallons per year for a single coating and a total of 200 gallons per year for all coatings combined for the facility.

(2) The permittee requests, in writing, and the Department approves, in writing, the exemption prior to use of the coating.

**# 007 [25 Pa. Code §129.91]****Control of major sources of NOx and VOCs**

The nitrogen oxides (NOx, expressed as NO2) emissions resulting from the combustion of natural gas in the 1.32 million Btu per hour, the 1.50 million Btu per hour and the 1.15 million Btu per hour drying ovens incorporated in Source ID 187P shall not exceed 3.20 tons in any 12 consecutive month period.

**Fuel Restriction(s).****# 008 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code Sections 127.1 and 127.12]

The drying ovens incorporated in Source ID 187P shall only be fired on natural gas or propane.

**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.****# 009 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR 63.4730]

The permittee shall maintain accurate and comprehensive records for Source ID 187P of the following:

(1) A copy of each notification and report submitted to comply with Subpart QQQQ of the National Emission Standards for Hazardous Air Pollutants: Surface Coating of Wood Building Products, 40 CFR Sections 63.4680 through 63.47814, and the documentation supporting each notification and report.

(2) A current copy of information provided by materials suppliers or manufacturers, such as manufacturer's formulation data, or test data used to determine the mass fraction of organic hazardous air pollutants and density for each coating, thinner, and cleaning material and the volume fraction of coating solids for each coating. If the permittee conducts testing to determine mass fraction of organic hazardous air pollutants, density, or volume fraction of coating solids, the permittee must keep a copy of the complete test report. If the permittee uses information provided by the manufacturer or supplier of the material that was based on testing, the permittee must keep the summary sheet of results provided by the manufacturer

**SECTION D. Source Level Requirements**

or supplier. The permittee is not required to obtain the test report or other supporting documentation from the manufacturer or supplier.

(3) The following information for each semiannual compliance period (January 1 through June 30 and July 1 through December 31):

(a) A record of the option used to demonstrate compliance with the organic hazardous air pollutant limitation specified herein for Source ID 187P and the time periods (beginning and ending dates and times) you used each option.

(b) For the "compliant material option," a record of the calculation of the organic hazardous air pollutant content for each coating, using Equation 2 of 40 CFR Section 63.4741.

(c) For the "emission rate without add-on controls option," a record of the calculation of the total mass of organic hazardous air pollutant emissions for the coatings, thinners, and cleaning materials used each month, using Equations 1, 1A through 1C, and 2 of 40 CFR Section 63.4751; and, if applicable, the calculation used to determine mass of organic hazardous air pollutant in waste materials according to 40 CFR Section 63.4751(e)(4); the calculation of the total volume of coating solids used each month, using Equation 2 of 40 CFR Section 63.4751; and the calculation of each 12-month organic hazardous air pollutant emission rate, using Equation 3 of 40 CFR Section 63.4751.

(4) A record of the name and volume of each coating, thinner, and cleaning material used during each compliance period.

(5) A record of the mass fraction of organic hazardous air pollutant for each coating, thinner, and cleaning material used during each compliance period.

(6) A record of the volume fraction of coating solids for each coating used during each compliance period.

(7) A record of the density for each coating used during each compliance period; and, if you use the "emission rate without add-on controls compliance option," the density for each thinner and cleaning material used during each compliance period.

(8) If you use an allowance in Equation 1 of 40 CFR Section 63.4751 for organic hazardous pollutant contained in waste materials sent to or designated for shipment to a treatment, storage, and disposal facility (TSDF) according to 40 CFR Section 63.4751(e)(4), you must keep records of the information:

(a) The name and address of each TSDF to which you sent waste materials for which you use an allowance in Equation 1 of 40 CFR Section 63.4751; a statement of which subparts under 40 CFR parts 262, 264, 265, and 266 apply to the facility; and the date of each shipment.

(b) Identification of the coating operations producing waste materials included in each shipment and the month or months in which you used the allowance for these materials in Equation 1 of 40 CFR Section 63.4751.

(c) The methodology used in accordance with 40 CFR Section 63.4751(e)(4) to determine the total amount of waste materials sent to or the amount collected, stored, and designated for transport to a TSDF each month; and the methodology to determine the mass of organic hazardous air pollutant contained in these waste materials. This must include the sources for all data used in the determination, methods used to generate the data, frequency of testing or monitoring, and supporting calculations and documentation, including the waste manifest for each shipment.

(9) The permittee must keep records of the date, time, and duration of each deviation.

All records must be in a form suitable and readily available for expeditious review, according to 40 CFR Section 63.10(b)(1). Where appropriate, the records may be maintained as electronic spreadsheets or as a database. As specified in 40 CFR Section 63.10(b)(1), the permittee must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. The permittee must keep each record on-site for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR Section 63.10(b)(1). The permittee may keep the records off-site for the remaining 3 years.

**# 010 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain accurate and comprehensive records of the following:

(1) The identity and amount of each coating material applied in the spray booths incorporated in Source ID 187P for each month.

(2) Detailed composition information for each coating material applied in the spray booths incorporated in Source ID 187P for each month which identifies the volatile organic compound and formaldehyde content of the coating.

(3) The square footage of product processed through the spray booths incorporated in Source ID 187P for each month.

**SECTION D. Source Level Requirements**

- (4) The amount of natural gas combusted in the drying ovens incorporated in Source ID 187P for each month.
- (5) Calculations of the average pounds of volatile organic compounds emitted per thousand square feet of product produced in the spray booths incorporated in Source ID 187P for each different coating "system" used each calendar quarter.
- (6) Calculations used to verify compliance with the particulate matter and sulfur oxides concentration limitations for Source ID 187P.
- (7) Calculations used to verify compliance with the 12 consecutive month volatile organic compound and formaldehyde emissions limitations from Source ID 187P for each month.
- (8) Calculations used to verify compliance with the 12 consecutive month nitrogen oxides emission limitation from the infrared and HVHA ovens incorporated in Source ID 187P for each month.

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

**# 011 [25 Pa. Code §129.52c]****Control of VOC emissions from flat wood paneling surface coating processes.**

The permittee shall maintain records sufficient to demonstrate compliance with the 2.9 pounds of volatile organic compounds per gallon coating solids, as applied, surface coating limitation established for Source ID 187P.

- (1) The permittee shall maintain daily records of the following parameters for each coating, thinner, other component or cleaning solvent as supplied:
  - (a) Name and identification number of the coating, thinner, other component or cleaning solvent.
  - (b) Volume used.
  - (c) Mix ratio.
  - (d) Density or specific gravity.
  - (e) Weight percent of total volatiles, water, solids and exempt solvents.
  - (f) Volume percent of solids for each coating used in Source ID 187P.
  - (g) Volatile organic compound content.
- (2) The volatile organic compound content of each as applied coating or cleaning solvent.

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

**V. REPORTING REQUIREMENTS.****# 012 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall submit a quarterly report to the Department of the following:

- (1) The identity and amount of each coating material applied in the spray booths incorporated in Source ID 187P for each month during the quarter.
- (2) The square footage of product processed through the spray booths incorporated in Source ID 187P for each month during the quarter.
- (3) The amount of natural gas combusted in the drying ovens incorporated in Source ID 187P for each month during the quarter.
- (4) Calculations of the average pounds of volatile organic compounds emitted per thousand square feet of product produced in the spray booths incorporated in Source ID 187P for each different coating "system" used during the quarter.
- (5) Calculations used to verify compliance with the particulate matter and sulfur oxides concentration limitations for Source ID 187P.
- (6) Calculations used to verify compliance with the 12 consecutive month volatile organic compound and formaldehyde emissions limitations from Source ID 187P for each month during the quarter.
- (7) Calculations used to verify compliance with the 12 consecutive month nitrogen oxides emission limitation from the infrared and HVHA ovens incorporated in Source ID 187P for each month during the quarter.

**SECTION D. Source Level Requirements**

This report shall be submitted to the Department no later than June 1, September 1, December 1 and March 1.

**# 013 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The submission of all requests, reports, application submittals and other communications required by Subpart QQQQ of the National Emission Standards for Hazardous Air Pollutants: Surface Coating of Wood Building Products, 40 CFR Sections 63.4680 through 63.4781, must be made to both the U.S. Environmental Protection Agency and the Department.

The copies may be sent to:

Associate Director  
Office of Air Enforcement and Compliance Assistance (3AP2O)  
U.S. EPA, Region III  
1650 Arch Street  
Philadelphia, PA 19107

and

Pennsylvania Department of Environmental Protection  
Air Quality Program Manager  
208 W. Third Street, Suite 101  
Williamsport, PA 17701-6448

**# 014 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR 63.4720]

The permittee shall submit semiannual reports for Source ID 187P which contain the following information:

- (1) Company name and address.
- (2) Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report.
- (3) Date of report and beginning and ending dates of the reporting period. The reporting period is the 6-month period ending on June 30 or December 31. Note that the information reported for each of the 6 months in the reporting period will be based on the last 12 months of data prior to the date of each monthly calculation.
- (4) Identification of the compliance option used for Source ID 187P during the reporting period. If the permittee switched between compliance options during the reporting period, the permittee must report the beginning and ending dates you used each option.
- (5) If the permittee used the "emission rate without add-on controls compliance option" specified in 40 CFR Section 63.4691(b) for demonstrating compliance with the organic hazardous air pollutant limitation(s) specified herein for Source ID 187P, the calculation results for each rolling 12-month organic hazardous air pollutant emission rate during the 6-month reporting period.
- (6) If there were no deviations from the emission limitations specified herein for organic hazardous air pollutants for Source ID 187P, the semiannual compliance report must include a statement that there were no deviations from the emission limitations during the reporting period.
- (7) If the permittee used the "compliant material option" for demonstrating compliance with the organic hazardous air pollutant limitation specified herein for Source ID 187P, and there was a deviation from the subject limitation(s), the semiannual compliance report must contain the following information:
  - (a) Identification of each coating used that deviated from the subject limitation, each thinner and cleaning material used that contained organic hazardous air pollutant, and the dates and time periods each material was used.
  - (b) The calculation of the organic hazardous air pollutant content (using Equation 2 of 40 CFR Section 63.4741) for each coating identified in section (5)(a) of this condition. The permittee does not need to submit background data supporting this calculation (e.g., information provided by coating suppliers or manufacturers, or test reports).
  - (c) The determination of mass fraction of organic hazardous air pollutant for each coating, thinner, and cleaning material

**SECTION D. Source Level Requirements**

identified in section (5)(a) of this condition. The permittee does not need to submit background data supporting this calculation (e.g., information provided by material suppliers or manufacturers, or test reports).

(d) A statement of the cause of each deviation.

(8) If the permittee used the "emission rate without add-on controls option" for demonstrating compliance with the organic hazardous air pollutant limitation specified herein for Source ID 187P, and there was a deviation from the subject limitation, the semiannual compliance report must contain the following information:

(a) The beginning and ending dates of each compliance period during which the 12-month organic hazardous air pollutant emission rate exceeded the limitation specified herein for Source ID 187P.

(b) The calculations used to determine the 12-month organic hazardous air pollutant limitation for the compliance period in which the deviation occurred. The permittee must provide the calculations for Equations 1, 1A through 1C, 2, and 3 specified in 40 CFR Section 63.4751; and if applicable, the calculation used to determine mass of organic hazardous air pollutant in waste materials according to 40 CFR Section 63.4751(e)(4). The permittee does not need to submit background data supporting these calculations (e.g., information provided by materials suppliers or manufacturers, or test reports).

(c) A statement of the cause of each deviation.

The compliance report shall be submitted by January 31 for the preceding July 1 through December 31 semiannual reporting period and by July 31 for the preceding January 1 through June 30 semiannual reporting period.

**VI. WORK PRACTICE REQUIREMENTS.****# 015 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code Sections 127.1 and 127.12]

Coatings shall be applied with airless spray systems (or equivalent or better systems as determined by the Department).

Compliance with this condition also ensures compliance with 25 Pa. Code Section 129.52(c).

**# 016 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code Sections 127.1 and 127.12]

The permittee shall keep on hand a sufficient quantity of spare fabric collector bags for Control Device ID C05 and Control Device ID C187X in order to be able to immediately replace any bags requiring replacement due to deterioration resulting from routine operation of Source ID 187P, Control Device ID C05 and Control Device ID C187X.

**# 017 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from the plan approval exemption granted November 5, 2004]

The only material that shall be used in the wetting stations incorporated in Source ID 187P shall be Carbowet 109, or other material with equivalent or lower volatile organic compound and hazardous air pollutant content.

**# 018 [25 Pa. Code §129.52c]****Control of VOC emissions from flat wood paneling surface coating processes.**

The permittee shall comply with the following work practices for coating-related activities occurring in Source ID 187P:

- (1) Store all volatile organic compound-containing coatings, thinners and coating-related waste materials in closed containers.
- (2) Minimize spills of volatile organic compound-containing coatings, thinners and coating related waste materials and clean up spills immediately.
- (3) Convey volatile organic compound-containing coatings, thinners and coating-related waste materials from one location to another in closed containers or pipes.
- (4) Ensure that mixing and storage containers used for volatile organic compound-containing coatings, thinners and coating-related waste materials are kept closed at all times, except when depositing or removing these materials.

**SECTION D. Source Level Requirements****# 019 [25 Pa. Code §129.52c]****Control of VOC emissions from flat wood paneling surface coating processes.**

The permittee shall comply with the following work practices for cleaning materials used in Source ID 187P:

- (1) Store all volatile organic compound-containing cleaning materials, waste cleaning materials and used shop towels in closed containers.
- (2) Minimize spills of volatile organic compound-containing cleaning materials and waste cleaning materials and clean up spills immediately.
- (3) Convey volatile organic compound-containing cleaning materials and waste cleaning materials from one location to another in closed containers or pipes.
- (4) Ensure that mixing vessels and storage containers used for volatile organic compound-containing cleaning materials and waste cleaning materials are kept closed at all times, except when depositing or removing these materials.
- (5) Minimize volatile organic compound emissions during cleaning of storage, mixing and conveying equipment.

**# 020 [25 Pa. Code §129.97]****Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule.**

[Additional authority for this permit condition is derived from 25 Pa. Code Section 129.91]

The drying ovens incorporated in Source ID 187P shall be maintained and operated in accordance with the manufacturer's specifications and with good operating practices.

**VII. ADDITIONAL REQUIREMENTS.****# 021 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Source ID 187P is a "Die Form coating operation" comprised of the following:

- (1) two surface coating spray booths (designated #1 and #2)
- (2) a panel feeder
- (3) a panel cleaner
- (4) 1.32 million Btu per hour, natural gas/propane-fired preheat infrared oven
- (5) 3.10 million Btu per hour, natural gas/propane-fired HVHA oven (designated #1)
- (6) 1.50 million Btu per hour, natural gas/propane-fired HVHA oven
- (7) 1.15 million Btu per hour, natural gas/propane-fired infrared oven (designated #3)
- (8) two wetting stations (designated #1 and #2)
- (9) a blow-off station
- (10) a panel stacker/bander

The particulate matter emissions from the spray booths listed in (1) above shall be controlled by a cyclonic separator (one for each booth, Control Device ID D85) and a common BHA/Standard-Havens fabric collector (Control Device ID C05). The particulate emissions from the panel feeder listed in (2) above and the panel cleaner listed in (3) above shall be controlled by a baghouse (Control Device ID C187X).

**# 022 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR 63.4681]

Source ID 187P is subject to Subpart QQQQ of the National Emission Standards for Hazardous Air Pollutants: Surface Coating of Wood Building Products. The permittee shall comply with all applicable requirements specified in 40 CFR Sections 63.4680 through 63.4781.

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

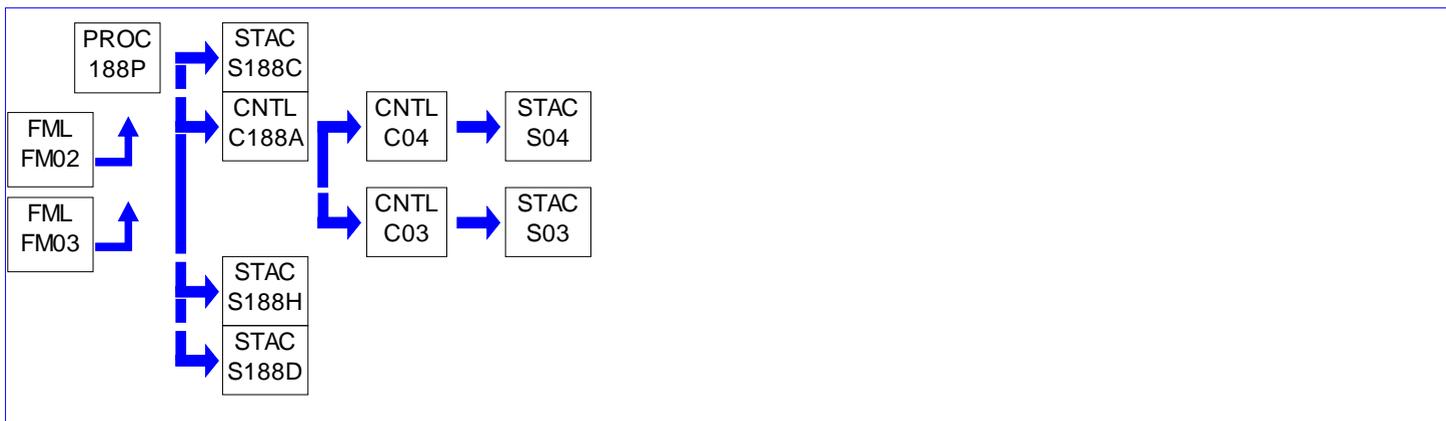
**SECTION D. Source Level Requirements**

Source ID: 188P

Source Name: COATING LINE 1

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 4

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.13]****Processes**

The permittee shall not permit the emission of particulate matter into the outdoor atmosphere from Source ID 188P in a manner such that the concentration of particulate matter in the effluent gas exceeds 0.04 grains per dry standard cubic foot.

**# 002 [25 Pa. Code §123.21]****General**

The permittee shall not permit the emission of sulfur oxides, expressed as SO<sub>2</sub>, into the outdoor atmosphere from the Source ID 188P in a manner such that the concentration of the sulfur oxides in the effluent gas exceeds 500 parts per million, by volume, dry basis.

**# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR 63.4690]

(1) The organic hazardous air pollutant content of each coating used in Source ID 188P for "exterior siding and primed doorskins" shall not exceed 0.06 pounds per gallon of solids, the organic hazardous air pollutant content of each coating used in Source ID 188P for "doors, windows and miscellaneous" shall not exceed 1.93 pounds per gallon of solids and the thinners and cleaning materials used in Source ID 188P shall contain no organic hazardous air pollutants should the permittee decide to determine compliance with these limitations in accordance with the "compliant material option" requirements specified in 40 CFR 63.4741. Continuous compliance with these limitations shall be demonstrated in accordance with 40 CFR 63.4742.

(2) The organic hazardous air pollutant content of coatings, thinners and cleaning materials used in Source ID 188P for "exterior siding and primed doorskins" shall not exceed 0.06 pounds per gallon of solids, calculated as a 12-month rolling average and determined on a monthly basis, and the organic hazardous air pollutant content of coatings, thinners and cleaning materials used in Source ID 188P for "doors, windows and miscellaneous" shall not exceed 1.93 pounds per gallon of solids, calculated as a 12-month rolling average and determined on a monthly basis, should the permittee decide to determine compliance with these limitations in accordance with the "emission rate without add-on controls option" requirements specified in 40 CFR 63.4751. Continuous compliance with this limitation shall be demonstrated in accordance with 40 CFR 63.4752.

**# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The total volatile organic compound emissions from Source ID 188P shall not exceed 163.8 pounds per hour or 160.40 tons in any 12 consecutive month period.

**SECTION D. Source Level Requirements****# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The volatile organic compound emissions from Source ID 188P shall not exceed the following:

"Coating System" - maximum pounds of volatile organic compounds per thousand square feet of product coated

'Prefinish' - 3.0

'Sealer/Primer/AMM' - 1.70

'G-Primer/Primer/AMM' - 1.5

'R-Primer/Primer/AMM' - 1.8

'Other' - 2.0

The volatile organic compound emissions resulting from the use of the G-Primer/Primer/AMM coating systems shall not exceed a calendar quarterly average emission rate of 0.95 pounds of volatile organic compounds per thousand square feet of product coated.

**# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The formaldehyde emissions from Source ID 188P shall not exceed 1.108 pounds per hour and 2.486 tons in any 12 consecutive month period.

**# 007 [25 Pa. Code §129.52c]****Control of VOC emissions from flat wood paneling surface coating processes.**

The permittee shall not permit the emission of volatile organic compounds into the outdoor atmosphere from Source ID 188P unless the volatile organic compound content of each as applied coating is equal to or less than 2.9 pounds per gallon coating solids.

The volatile organic compound content of each as applied coating, expressed in units of weight of volatile organic compound per volume of coating solids, shall be calculated as follows:

$$\text{VOC} = (\text{Wo})(\text{Dc})/\text{Vn}$$

Where:

VOC = Volatile organic compound content in pounds of volatile organic compounds per gallon of coating solids.

Wo = Weight percent of volatile organic compounds (Wv-Ww-Wex).

Wv = Weight percent of total volatiles (100% - weight percent solids).

Ww = Weight percent of water.

Wex = Weight percent of exempt solvent(s).

Dc = Density of coating, pounds per gallon, at 25° C.

Vn = Volume percent of solids of the as applied coating.

The volatile organic compound content limit may also be met by calculating a weighted average of the volatile organic compound content of all coatings used in Source ID 188P each day. The daily weighted average shall be calculated using the following equation:

$$\text{VOCw} = ((\text{Ci})(\text{Vi})+(\text{Ci}+1)(\text{Vi}+1)\dots (\text{Cn})(\text{Vn}))/\text{Vt}$$

Where:

VOCw = The daily weighted average volatile organic compound content, as applied, of all coatings used on a single flat wood paneling surface coating process line, in pounds of volatile organic compounds per gallon of coating solids.

n = The number of different coatings used each day on the single flat wood paneling surface coating process line.

Vi = The volume solids for each coating, as applied, used each day on the single flat wood paneling surface coating process line, in gallons.

Ci = The volatile organic compound content of each coating, as applied, used each day on the single flat wood paneling

**SECTION D. Source Level Requirements**

surface coating process line, in pounds of volatile organic compounds per gallon coating solids.

Vt = The total volume of solids for all coatings combined, as applied, used each day on the single flat wood paneling surface coating process line, in gallons.

Sampling and testing shall be done in accordance with the procedures and test methods specified in 25 Pa. Code Chapter 139 (relating to sampling and testing).

The volatile organic compound coating content limitation does not apply to a coating used exclusively for determining product quality and commercial acceptance and other small quantity coatings, if the coating meets the following criteria:

- (1) The quantity of coating used does not exceed 50 gallons per year for a single coating and a total of 200 gallons per year for all coatings combined for the facility.
- (2) The permittee requests, in writing, and the Department approves, in writing, the exemption prior to use of the coating.

**# 008 [25 Pa. Code §129.91]****Control of major sources of NOx and VOCs**

The nitrogen oxides (NOx, expressed as NO2) emissions resulting from the combustion of natural gas in the drying ovens incorporated in Source ID 188P shall not exceed 12.10 tons in any 12 consecutive month period.

**Fuel Restriction(s).****# 009 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The drying ovens incorporated in Source ID 188P shall only be fired on natural gas or propane.

**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.****# 010 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR 63.4730]

The permittee shall maintain accurate and comprehensive records for Source ID 188P of the following:

- (1) A copy of each notification and report submitted to comply with Subpart QQQQ of the National Emission Standards for Hazardous Air Pollutants: Surface Coating of Wood Building Products, 40 CFR Sections 63.4680 through 63.47814, and the documentation supporting each notification and report.
- (2) A current copy of information provided by materials suppliers or manufacturers, such as manufacturer's formulation data, or test data used to determine the mass fraction of organic hazardous air pollutants and density for each coating, thinner, and cleaning material and the volume fraction of coating solids for each coating. If the permittee conducts testing to determine mass fraction of organic hazardous air pollutants, density, or volume fraction of coating solids, the permittee must keep a copy of the complete test report. If the permittee uses information provided by the manufacturer or supplier of the material that was based on testing, the permittee must keep the summary sheet of results provided by the manufacturer or supplier. The permittee is not required to obtain the test report or other supporting documentation from the manufacturer or supplier.
- (3) The following information for each semiannual compliance period (January 1 through June 30 and July 1 through

**SECTION D. Source Level Requirements**

December 31):

- (a) A record of the option used to demonstrate compliance with the organic hazardous air pollutant limitation specified herein for Source ID 188P and the time periods (beginning and ending dates and times) you used each option.
- (b) For the "compliant material option," a record of the calculation of the organic hazardous air pollutant content for each coating, using Equation 2 of 40 CFR Section 63.4741.
- (c) For the "emission rate without add-on controls option," a record of the calculation of the total mass of organic hazardous air pollutant emissions for the coatings, thinners, and cleaning materials used each month, using Equations 1, 1A through 1C, and 2 of 40 CFR Section 63.4751; and, if applicable, the calculation used to determine mass of organic hazardous air pollutant in waste materials according to 40 CFR Section 63.4751(e)(4); the calculation of the total volume of coating solids used each month, using Equation 2 of 40 CFR Section 63.4751; and the calculation of each 12-month organic hazardous air pollutant emission rate, using Equation 3 of 40 CFR Section 63.4751.
- (4) A record of the name and volume of each coating, thinner, and cleaning material used during each compliance period.
- (5) A record of the mass fraction of organic hazardous air pollutant for each coating, thinner, and cleaning material used during each compliance period.
- (6) A record of the volume fraction of coating solids for each coating used during each compliance period.
- (7) A record of the density for each coating used during each compliance period; and, if you use the "emission rate without add-on controls compliance option," the density for each thinner and cleaning material used during each compliance period.
- (8) If you use an allowance in Equation 1 of 40 CFR Section 63.4751 for organic hazardous pollutant contained in waste materials sent to or designated for shipment to a treatment, storage, and disposal facility (TSDF) according to 40 CFR Section 63.4751(e)(4), you must keep records of the information:
  - (a) The name and address of each TSDF to which you sent waste materials for which you use an allowance in Equation 1 of 40 CFR Section 63.4751; a statement of which subparts under 40 CFR parts 262, 264, 265, and 266 apply to the facility; and the date of each shipment.
  - (b) Identification of the coating operations producing waste materials included in each shipment and the month or months in which you used the allowance for these materials in Equation 1 of 40 CFR Section 63.4751.
  - (c) The methodology used in accordance with 40 CFR Section 63.4751(e)(4) to determine the total amount of waste materials sent to or the amount collected, stored, and designated for transport to a TSDF each month; and the methodology to determine the mass of organic hazardous air pollutant contained in these waste materials. This must include the sources for all data used in the determination, methods used to generate the data, frequency of testing or monitoring, and supporting calculations and documentation, including the waste manifest for each shipment.
- (9) The permittee must keep records of the date, time, and duration of each deviation.

All records must be in a form suitable and readily available for expeditious review, according to 40 CFR Section 63.10(b)(1). Where appropriate, the records may be maintained as electronic spreadsheets or as a database. As specified in 40 CFR Section 63.10(b)(1), the permittee must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. The permittee must keep each record on-site for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR Section 63.10(b)(1). The permittee may keep the records off-site for the remaining 3 years.

**# 011 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The permittee shall maintain accurate and comprehensive records of the following:

- (1) The volume of natural gas combusted each month in the drying ovens incorporated in Source ID 188P.
- (2) The identity and amount of coatings used in each booth incorporated in Source ID 188P, the hours of operation of each booth and the square footage of product coated in each booth, as well as any additional information as may be needed to determine compliance with conditions herein.

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

**SECTION D. Source Level Requirements****# 012 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain accurate and comprehensive records of the following:

- (1) Supporting calculations used to verify compliance with the particulate matter and sulfur oxides emissions limitations for each exhaust associated with Source ID 188P.
- (2) Monthly records of the calculations used to verify compliance with the annual volatile organic compound and formaldehyde emissions limitations for Source ID 188P.
- (3) Monthly records of the calculations used to verify compliance with the volatile organic compound emissions limitations for each coating system used on Source ID 188P.

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

**# 013 [25 Pa. Code §129.52c]****Control of VOC emissions from flat wood paneling surface coating processes.**

The permittee shall maintain records sufficient to demonstrate compliance with the 2.9 pounds of volatile organic compounds per gallon coating solids, as applied, surface coating limitation established for Source ID 188P.

(1) The permittee shall maintain daily records of the following parameters for each coating, thinner, other component or cleaning solvent as supplied:

- (a) Name and identification number of the coating, thinner, other component or cleaning solvent.
- (b) Volume used.
- (c) Mix ratio.
- (d) Density or specific gravity.
- (e) Weight percent of total volatiles, water, solids and exempt solvents.
- (f) Volume percent of solids for each coating used in Source ID 188P.
- (g) Volatile organic compound content.

(2) The volatile organic compound content of each as applied coating or cleaning solvent.

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

**V. REPORTING REQUIREMENTS.****# 014 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall submit a quarterly report to the Department including records of the following:

- (1) The identity and amount of the coatings used in each booth, the hours of operation of each booth and the square footage of product coated in each booth and
- (2) Detailed compositional information for any coating not previously approved by the Department or in a previous quarterly report (coating density, water content, volatile organic compound identity and volatile organic compound content in terms of both weight and volume).
- (3) The calculations used to verify compliance with the volatile organic compound limitations for each coating system used as well as all other information as may be needed to determine compliance with all conditions contained herein.

This report shall be submitted to the Department no later than June 1, September 1, December 1 and March 1.

**# 015 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR 63.4710]

The permittee shall submit all notifications required by 40 CFR Sections 63.7(b) and (c), 63.8(f)(4) and 63.9(b) through (e)

**SECTION D. Source Level Requirements**

and (h) that apply to Source ID 188P to the U.S. Environmental Protection Agency and the Department by the dates specified.

**# 016 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR 63.4720]

The permittee shall submit semiannual reports for Source ID 188P which contain the following information:

- (1) Company name and address.
- (2) Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report.
- (3) Date of report and beginning and ending dates of the reporting period. The reporting period is the 6-month period ending on June 30 or December 31. Note that the information reported for each of the 6 months in the reporting period will be based on the last 12 months of data prior to the date of each monthly calculation.
- (4) Identification of the compliance option used for Source ID 188P during the reporting period. If the permittee switched between compliance options during the reporting period, the permittee must report the beginning and ending dates you used each option.
- (5) If the permittee used the "emission rate without add-on controls compliance option" specified in 40 CFR Section 63.4691(b) for demonstrating compliance with the organic hazardous air pollutant limitation(s) specified herein for Source ID 188P, the calculation results for each rolling 12-month organic hazardous air pollutant emission rate during the 6-month reporting period.
- (6) If there were no deviations from the emission limitations specified herein for organic hazardous air pollutants for Source ID 188P, the semiannual compliance report must include a statement that there were no deviations from the emission limitations during the reporting period.
- (7) If the permittee used the "compliant material option" for demonstrating compliance with the organic hazardous air pollutant limitation specified herein for Source ID 188P, and there was a deviation from the subject limitation(s), the semiannual compliance report must contain the following information:
  - (a) Identification of each coating used that deviated from the subject limitation, each thinner and cleaning material used that contained organic hazardous air pollutant, and the dates and time periods each material was used.
  - (b) The calculation of the organic hazardous air pollutant content (using Equation 2 of 40 CFR Section 63.4741) for each coating identified in section (5)(a) of this condition. The permittee does not need to submit background data supporting this calculation (e.g., information provided by coating suppliers or manufacturers, or test reports).
  - (c) The determination of mass fraction of organic hazardous air pollutant for each coating, thinner, and cleaning material identified in section (5)(a) of this condition. The permittee does not need to submit background data supporting this calculation (e.g., information provided by material suppliers or manufacturers, or test reports).
  - (d) A statement of the cause of each deviation.
- (8) If the permittee used the "emission rate without add-on controls option" for demonstrating compliance with the organic hazardous air pollutant limitation specified herein for Source ID 188P, and there was a deviation from the subject limitation, the semiannual compliance report must contain the following information:
  - (a) The beginning and ending dates of each compliance period during which the 12-month organic hazardous air pollutant emission rate exceeded the limitation specified herein for Source ID 188P.
  - (b) The calculations used to determine the 12-month organic hazardous air pollutant limitation for the compliance period in which the deviation occurred. The permittee must provide the calculations for Equations 1, 1A through 1C, 2, and 3 specified in 40 CFR Section 63.4751; and if applicable, the calculation used to determine mass of organic hazardous air pollutant in waste materials according to 40 CFR Section 63.4751(e)(4). The permittee does not need to submit background data supporting these calculations (e.g., information provided by materials suppliers or manufacturers, or test reports).
  - (c) A statement of the cause of each deviation.

The compliance report shall be submitted by January 31 for the preceding July 1 through December 31 semiannual reporting period and by July 31 for the preceding January 1 through June 30 semiannual reporting period.

**SECTION D. Source Level Requirements****# 017 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The submission of all requests, reports, application submittals and other communications required by Subpart QQQQ of the National Emission Standards for Hazardous Air Pollutants: Surface Coating of Wood Building Products, 40 CFR Sections 63.4680 through 63.4781, must be made to both the U.S. Environmental Protection Agency and the Department. The copies may be sent to:

Associate Director  
Office of Air Enforcement and Compliance Assistance (3AP2O)  
U.S. EPA, Region III  
1650 Arch Street  
Philadelphia, PA 19107

and

Pennsylvania Department of Environmental Protection  
Air Quality Program Manager  
208 W. Third Street, Suite 101  
Williamsport, PA 17701-6448

**# 018 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall submit a quarterly report to the Department containing the 12 consecutive month emissions of volatile organic compounds and formaldehyde for this source. The quarterly report shall be the 12 consecutive month emissions updated for each of the 3 months within the respective reporting quarter by adding the emissions occurring during the most recent month and dropping the emissions from the corresponding month in the preceding year. This report shall be submitted to the Department no later than June 1, September 1, December 1 and March 1.

**VI. WORK PRACTICE REQUIREMENTS.****# 019 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

All coatings shall be applied using an airless spray system (or equivalent, or better, as determined by the Department) or shall be roll coated.

Compliance with the permit condition also ensures compliance with 25 Pa. Code Section 129.52(c).

**# 020 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall keep on hand a sufficient quantity of spare fabric filtration media for Control Device C188B and spare fabric collector bags for Control Device ID C03 and Control Device ID C04 in order to be able to immediately replace any bags requiring replacement due to deterioration resulting from routine operation of Source ID 188P and Control Device C188B, Control Device ID C03 or Control Device ID C04.

**# 021 [25 Pa. Code §129.52c]****Control of VOC emissions from flat wood paneling surface coating processes.**

The permittee shall comply with the following work practices for coating-related activities occurring in Source ID 188P:

- (1) Store all volatile organic compound-containing coatings, thinners and coating-related waste materials in closed containers.
- (2) Minimize spills of volatile organic compound-containing coatings, thinners and coating related waste materials and clean up spills immediately.
- (3) Convey volatile organic compound-containing coatings, thinners and coating-related waste materials from one location to another in closed containers or pipes.
- (4) Ensure that mixing and storage containers used for volatile organic compound-containing coatings, thinners and coating-related waste materials are kept closed at all times, except when depositing or removing these materials.

**SECTION D. Source Level Requirements****# 022 [25 Pa. Code §129.52c]****Control of VOC emissions from flat wood paneling surface coating processes.**

The permittee shall comply with the following work practices for cleaning materials used in Source ID 188P:

- (1) Store all volatile organic compound-containing cleaning materials, waste cleaning materials and used shop towels in closed containers.
- (2) Minimize spills of volatile organic compound-containing cleaning materials and waste cleaning materials and clean up spills immediately.
- (3) Convey volatile organic compound-containing cleaning materials and waste cleaning materials from one location to another in closed containers or pipes.
- (4) Ensure that mixing vessels and storage containers used for volatile organic compound-containing cleaning materials and waste cleaning materials are kept closed at all times, except when depositing or removing these materials.
- (5) Minimize volatile organic compound emissions during cleaning of storage, mixing and conveying equipment.

**# 023 [25 Pa. Code §129.97]****Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule.**

[Additional authority for this permit condition is derived from 25 Pa. Code Section 129.91]

The drying ovens incorporated in Source ID 188P shall be maintained and operated in accordance with the manufacturer's specifications and with good operating practices.

**VII. ADDITIONAL REQUIREMENTS.****# 024 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR 63.4681]

Source ID 188P is subject to Subpart QQQQ of the National Emission Standards for Hazardous Air Pollutants: Surface Coating of Wood Building Products. The permittee shall comply with all applicable requirements specified in 40 CFR Sections 63.4680 through 63.4781.

**# 025 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The square feet of product coated in Source ID 188P in each calendar quarter using prefinish coating systems shall not exceed 10% of the total square feet of product coated in Source ID 188P during that calendar quarter. Additionally, for every thousand square feet of product coated in Source ID 188P in a given calendar quarter using prefinish coating systems, a minimum of two thousand square feet of product shall be coated using a coating system having resultant volatile organic compound emissions of less than 1.0 pound of volatile organic compounds per thousand square feet of product.

**# 026 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Source ID 188P is a "Line 1 coating operation" comprised of the following:

- (1) two (2) spray booths (designated #1 and #2)
- (2) a 3.65 million Btu per hour, natural gas/propane-fired preheat infrared oven
- (3) a 3.50 million Btu per hour, natural gas/propane-fired HVHA oven
- (4) a 4.50 million Btu per hour, natural gas/propane-fired HVHA oven
- (5) a 2.95 million Btu per hour, natural gas/propane-fired infrared oven

The particulate matter emissions from spray booths #1 and #2 shall each be controlled by a baghouse (Control Device ID C03 and Control Device ID C04, respectively), or by such alternate control systems as the Department may approve.

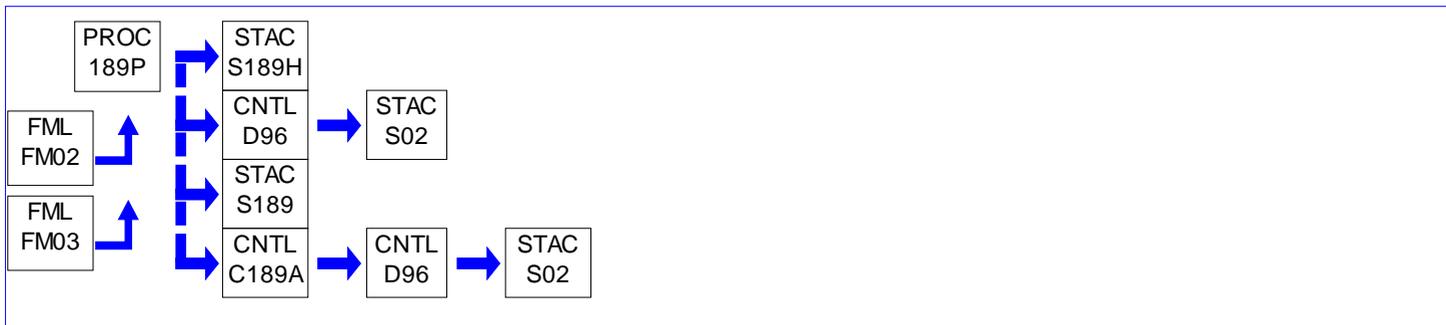
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: 189P

Source Name: LAP SIDING COATING OPERATIONS

Source Capacity/Throughput:

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.13]****Processes**

The permittee shall not permit the emission of particulate matter into the outdoor atmosphere from Source ID 189P in a manner such that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

**# 002 [25 Pa. Code §123.21]****General**

The permittee shall not permit the emission of sulfur oxides, expressed as SO<sub>2</sub>, into the outdoor atmosphere from the Source ID 189P in a manner such that the concentration of the sulfur oxides in the effluent gas exceeds 500 parts per million, by volume, dry basis.

**# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The volatile organic compound emissions from Source ID 189P shall not exceed 29.20 tons in any 12 consecutive month period.

**# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(1) The formaldehyde emissions from Source ID 189P shall not exceed 1.11 tons in any 12 consecutive month period.  
 (2) The total hazardous air pollutant emissions from Source ID 189P shall not exceed 1.92 tons in any 12 consecutive month period.

**# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from the plan approval exemption granted December 23, 2004]

The only coatings that shall be used in Source ID 189P shall be water-based coatings with an applied volatile organic compound content of no greater than 0.45 pounds per gallon of coating solids.

The volatile organic compound content of each as applied coating, expressed in units of weight of volatile organic compound per volume of coating solids, shall be calculated as follows:

$$\text{VOC} = (\text{Wo})(\text{Dc})/\text{Vn}$$

Where:

VOC = Volatile organic compound content in pounds of volatile organic compounds per gallon of coating solids.

Wo = Weight percent of volatile organic compounds (Wv-Ww-Wex).

Wv = Weight percent of total volatiles (100% - weight percent solids).

Ww = Weight percent of water.

Wex = Weight percent of exempt solvent(s).

**SECTION D. Source Level Requirements**

Dc = Density of coating, pounds per gallon, at 25° C.  
Vn = Volume percent of solids of the as applied coating.

Compliance with this condition also ensures compliance with 25 Pa. Code Section 129.52(c).

**# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from the plan approval exemption granted December 23, 2004]

The organic hazardous air pollutant content of each coating used in Source ID 189P shall not exceed 0.00 pounds per gallon of solids and the thinners and cleaning materials used in Source ID 189P shall contain no organic hazardous air pollutants, as determined in accordance with 40 CFR 63.4741. Continuous compliance with these limitations shall be demonstrated in accordance with 40 CFR 63.4742.

**# 007 [25 Pa. Code §129.91]****Control of major sources of NOx and VOCs**

The nitrogen oxides (NOx, expressed as NO2) emissions resulting from the combustion of natural gas in the drying ovens incorporated in Source ID 189P shall not exceed 8.50 tons in any 12 consecutive month period.

**Fuel Restriction(s).****# 008 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The ovens incorporated in Source ID 189P shall only be fired on natural gas or propane.

**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.****# 009 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Control Device ID D96 shall be equipped with instrumentation to continuously monitor the pressure differential across the collector. This instrumentation is to be maintained in operable condition at all times.

**IV. RECORDKEEPING REQUIREMENTS.****# 010 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR 63.4730]

The permittee shall maintain accurate and comprehensive records for Source ID 189P of the following:

- (1) A copy of each notification and report submitted to comply with Subpart QQQQ of the National Emission Standards for Hazardous Air Pollutants: Surface Coating of Wood Building Products, 40 CFR Sections 63.4680 through 63.47814, and the documentation supporting each notification and report.
- (2) A current copy of information provided by materials suppliers or manufacturers, such as manufacturer's formulation data, or test data used to determine the mass fraction of organic hazardous air pollutants and density for each coating, thinner, and cleaning material and the volume fraction of coating solids for each coating. If the permittee conducts testing to determine mass fraction of organic hazardous air pollutants, density, or volume fraction of coating solids, the permittee must keep a copy of the complete test report. If the permittee uses information provided by the manufacturer or supplier of the material that was based on testing, the permittee must keep the summary sheet of results provided by the manufacturer or supplier. The permittee is not required to obtain the test report or other supporting documentation from the manufacturer or supplier.

**SECTION D. Source Level Requirements**

- (3) A record of the calculation of the organic hazardous air pollutant content for each coating, using Equation 2 of 40 CFR Section 63.4741.
- (4) A record of the name and volume of each coating, thinner, and cleaning material used during each compliance period.
- (5) A record of the mass fraction of organic hazardous air pollutant for each coating, thinner, and cleaning material used during each compliance period.
- (6) A record of the volume fraction of coating solids for each coating used during each compliance period.
- (7) A record of the density for each coating used during each compliance period.
- (8) The permittee must keep records of the date, time, and duration of each deviation.

All records must be in a form suitable and readily available for expeditious review, according to 40 CFR Section 63.10(b)(1). Where appropriate, the records may be maintained as electronic spreadsheets or as a database. As specified in 40 CFR Section 63.10(b)(1), the permittee must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. The permittee must keep each record on-site for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR Section 63.10(b)(1). The permittee may keep the records off-site for the remaining 3 years.

**# 011 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain accurate and comprehensive records of the following:

- (1) The identities and amounts of the coating materials used in Source ID 189P as well as updated coating composition data.
- (2) The volume of natural gas combusted each month in the drying ovens incorporated in Source ID 189P.

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

**# 012 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain accurate and comprehensive records of the following:

- (1) Supporting calculations used to verify compliance with the particulate matter and sulfur oxides emission limitations for Source ID 189P.
- (2) Monthly records of the supporting calculations used to verify compliance with the volatile organic compound, formaldehyde and total hazardous air pollutant emission limitations in any 12 consecutive month period for Source ID 189P.

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

**# 013 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code Section 129.52(c)]

The permittee shall maintain records sufficient to demonstrate compliance with the 0.45 pounds of volatile organic compounds per gallon coating solids, as applied, surface coating limitation established for Source ID 189P.

- (1) The permittee shall maintain daily records of the following parameters for each coating, thinner, other component or cleaning solvent as supplied:
  - (a) Name and identification number of the coating, thinner, other component or cleaning solvent.
  - (b) Volume used.
  - (c) Mix ratio.
  - (d) Density or specific gravity.
  - (e) Weight percent of total volatiles, water, solids and exempt solvents.
  - (f) Volume percent of solids for each coating used in Source ID 189P.
  - (g) Volatile organic compound content.

**SECTION D. Source Level Requirements**

(2) The volatile organic compound content of each as applied coating or cleaning solvent.

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

**V. REPORTING REQUIREMENTS.****# 014 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The submission of all requests, reports, application submittals and other communications required by Subpart QQQQ of the National Emission Standards for Hazardous Air Pollutants: Surface Coating of Wood Building Products, 40 CFR Sections 63.4680 through 63.4781, must be made to both the U.S. Environmental Protection Agency and the Department. The copies may be sent to:

Associate Director  
Office of Air Enforcement and Compliance Assistance (3AP2O)  
U.S. EPA, Region III  
1650 Arch Street  
Philadelphia, PA 19107

and

Pennsylvania Department of Environmental Protection  
Air Quality Program Manager  
208 W. Third Street, Suite 101  
Williamsport, PA 17701-6448

**# 015 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall submit quarterly reports of the supporting calculations verifying compliance with the 12 consecutive month volatile organic compound, formaldehyde and total hazardous air pollutant emission limitations for Source ID 189P. The quarterly report shall be the 12 consecutive month emissions updated for each of the 3 months within the respective reporting quarter by adding the emissions occurring during the most recent month and dropping the emissions from the corresponding month in the preceding year.

The quarterly reports shall be submitted to the Department no later than June 1, September 1, December 1 and March 1.

**# 016 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR 63.4710]

The permittee shall submit all notifications required by 40 CFR Sections 63.7(b) and (c), 63.8(f)(4) and 63.9(b) through (e) and (h) that apply to Source ID 189P to the U.S. Environmental Protection Agency and the Department by the dates specified.

**# 017 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR 63.4720]

The permittee shall submit semiannual reports for Source ID 189P which contain the following information:

- (1) Company name and address.
- (2) Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report.
- (3) Date of report and beginning and ending dates of the reporting period. The reporting period is the 6-month period ending on June 30 or December 31. Note that the information reported for each of the 6 months in the reporting period will be based on the last 12 months of data prior to the date of each monthly calculation.
- (4) If there were no deviations from the emission limitations specified herein for organic hazardous air pollutants for Source

**SECTION D. Source Level Requirements**

ID 189P, the semiannual compliance report must include a statement that there were no deviations from the emission limitations during the reporting period.

(5) If there was a deviation from the emission limitations specified herein for organic hazardous air pollutants for Source ID 189P, the semiannual compliance report must contain the following information:

- (a) Identification of each coating used that deviated from the subject limitation, each thinner and cleaning material used that contained organic hazardous air pollutant, and the dates and time periods each material was used.
- (b) The calculation of the organic hazardous air pollutant content (using Equation 2 of 40 CFR Section 63.4741) for each coating identified in section (5)(a) of this condition. The permittee does not need to submit background data supporting this calculation (e.g., information provided by coating suppliers or manufacturers, or test reports).
- (c) The determination of mass fraction of organic hazardous air pollutant for each coating, thinner, and cleaning material identified in section (5)(a) of this condition. The permittee does not need to submit background data supporting this calculation (e.g., information provided by material suppliers or manufacturers, or test reports).
- (d) A statement of the cause of each deviation.

The compliance report shall be submitted by January 31 for the preceding July 1 through December 31 semiannual reporting period and by July 31 for the preceding January 1 through June 30 semiannual reporting period.

**VI. WORK PRACTICE REQUIREMENTS.****# 018 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall keep on hand a sufficient quantity of spare fabric collector bags for Control Device ID D96 in order to be able to immediately replace any bags requiring replacement due to deterioration resulting from routine operation of Source ID 189P and Control Device ID D96.

**# 019 [25 Pa. Code §129.52c]****Control of VOC emissions from flat wood paneling surface coating processes.**

The permittee shall comply with the following work practices for coating-related activities occurring in Source ID 189P:

- (1) Store all volatile organic compound-containing coatings, thinners and coating-related waste materials in closed containers.
- (2) Minimize spills of volatile organic compound-containing coatings, thinners and coating related waste materials and clean up spills immediately.
- (3) Convey volatile organic compound-containing coatings, thinners and coating-related waste materials from one location to another in closed containers or pipes.
- (4) Ensure that mixing and storage containers used for volatile organic compound-containing coatings, thinners and coating-related waste materials are kept closed at all times, except when depositing or removing these materials.

**# 020 [25 Pa. Code §129.52c]****Control of VOC emissions from flat wood paneling surface coating processes.**

The permittee shall comply with the following work practices for cleaning materials used in Source ID 189P:

- (1) Store all volatile organic compound-containing cleaning materials, waste cleaning materials and used shop towels in closed containers.
- (2) Minimize spills of volatile organic compound-containing cleaning materials and waste cleaning materials and clean up spills immediately.
- (3) Convey volatile organic compound-containing cleaning materials and waste cleaning materials from one location to another in closed containers or pipes.
- (4) Ensure that mixing vessels and storage containers used for volatile organic compound-containing cleaning materials and waste cleaning materials are kept closed at all times, except when depositing or removing these materials.
- (5) Minimize volatile organic compound emissions during cleaning of storage, mixing and conveying equipment.

**# 021 [25 Pa. Code §129.52c]****Control of VOC emissions from flat wood paneling surface coating processes.**

The permittee shall not cause or permit the emission of volatile organic compounds into the outdoor atmosphere from Source ID 189P unless the coatings are applied using one or more of the following coating application methods:

**SECTION D. Source Level Requirements**

- (1) Offset rotogravure coating.
- (2) Curtain coating.
- (3) Direct roll coating.
- (4) Reverse roll coating.
- (5) Hand brush or hand roller coating.
- (6) High volume-low pressure (HVLP) spray coating.
- (7) Airless spray coating.
- (8) Air-assisted airless spray coating.
- (9) Electrostatic coating.
- (10) Other coating application method, if approved in writing by the Department prior to use.

(a) The coating application method must be capable of achieving a transfer efficiency equivalent to or better than that achieved by a method listed in (1) through (9) above.

(b) The request for approval must be submitted in writing.

**# 022 [25 Pa. Code §129.97]****Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule.**

[Additional authority for this permit condition is derived from 25 Pa. Code Section 129.91]

The drying ovens incorporated in Source ID 189P shall be maintained and operated in accordance with the manufacturer's specifications and with good operating practices.

**VII. ADDITIONAL REQUIREMENTS.****# 023 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Source ID 189P is a "Lap Siding or Second Pass MiraTEC surface coating operation" comprised of the following:

- (1) an edge coater
- (2) two (2) DRC coaters
- (3) a curtain coater
- (4) airless sprayers
- (5) a spray booth (designated #2)
- (6) a 5.313 million Btu per hour, natural gas/propane-fired preheat infrared oven
- (7) three (3) 3.125 million Btu per hour, natural gas/propane-fired HVHA ovens
- (8) a 3.2 million Btu per hour, natural gas/propane-fired HVHA oven
- (9) a 3.15 million Btu per hour, natural gas/propane-fired infrared oven

The particulate matter emissions from Spray Booth #2 shall be controlled by a cyclonic separator (Control Device ID C189A) followed by a BHA model R-15-195-144 fabric collector (Control Device ID D96).

**# 024 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR 63.4681]

Source ID 189P is subject to Subpart QQQQ of the National Emission Standards for Hazardous Air Pollutants: Surface Coating of Wood Building Products. The permittee shall comply with all applicable requirements specified in 40 CFR Sections 63.4680 through 63.4781.

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

**SECTION D. Source Level Requirements**

Source ID: 191P

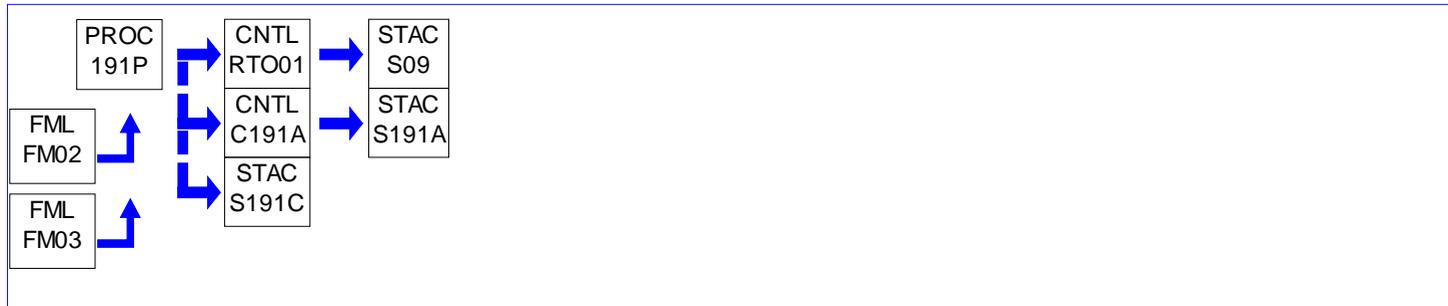
Source Name: LINE 1 TEMPERING

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 3

3.C

PCWP MACT

**I. RESTRICTIONS.****Emission Restriction(s).**

# 001 [25 Pa. Code §123.13]

**Processes**

The permittee shall not permit the emission of particulate matter into the outdoor atmosphere from Source ID 191P in a manner such that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

# 002 [25 Pa. Code §123.21]

**General**

The permittee shall not permit the emission of sulfur oxides, expressed as SO<sub>2</sub>, into the outdoor atmosphere from the Source ID 191P in a manner such that the concentration of the sulfur oxides in the effluent gas exceeds 500 parts per million, by volume, dry basis.

# 003 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The total combined volatile organic compound emissions from Source ID 191P shall not exceed 28.10 tons (as propane by Method 25A) in any 12 consecutive month period. This includes any volatile organic compounds emitted from the tempering hoods, the tempering oil application station and Control Device ID C191A.

# 004 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

In no case shall the nitrogen oxides (NO<sub>x</sub>, expressed as NO<sub>2</sub>) emissions from the exhaust of Control Device ID RTO01 exceed 1.00 ton in any 12 consecutive month period.

**Fuel Restriction(s).**

# 005 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

Only natural gas or propane shall be used to fire the kiln incorporated in Source ID 191P and Control Device ID RTO01.

**II. TESTING REQUIREMENTS.**

# 006 [25 Pa. Code §129.100]

**Compliance demonstration and recordkeeping requirements.**

(1) By no later than November 30, 2018, and by no later than every five years thereafter (November 30, 2023, November 30, 2028, etc.), but, in each case, not more than one year prior to the specified deadline, the permittee shall perform stack testing to determine either the reduction of total hydrocarbons (as carbon) across Control Device ID RTO01 or determine the concentration of total hydrocarbons (as carbon) contained in the effluent gas from Control Device ID RTO01. All testing shall be performed while the respective source is operating at its normal maximum rate of production.

**SECTION D. Source Level Requirements**

(2) At least 60 days prior to the performance of any testing required herein, the permittee shall submit a printed copy and an electronic copy in pdf format of a pretest protocol to the Northcentral Regional Air Program Manager (Department of Environmental Protection, 208 West Third Street, Suite 101, Williamsport, PA 17701) and to the Source Testing Section Program Manager (Division of Source Testing and Monitoring, Department of Environmental Protection, Rachel Carson State Office Building, 400 Market Street, Harrisburg, PA 17105) for review. The protocol shall describe the test methods and procedures to be used in the performance of testing, and shall include dimensioned sketches of the exhaust system showing the locations of all proposed sampling ports. The protocol shall also identify all process data which will be monitored and recorded during the performance of testing.

(3) At least 10 days prior to the performance of any testing required herein, the permittee shall notify the Department of the actual date(s) and time(s) that testing will occur so that Department personnel can arrange to be present during testing. The Department is under no obligation to accept the results of any testing performed without proper notification having first been given.

**III. MONITORING REQUIREMENTS.****# 007 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Control Device ID RTO01 shall be equipped with instrumentation to allow the continuous monitoring, and either continuous or periodic recording, of the main chamber temperature.

**# 008 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code Sections 127.1 and 127.12, as well as the compliance assurance monitoring (CAM) requirements of 40 CFR Section 64.6]

Control Device ID RTO01 shall be equipped with two thermocouples that shall accurately and continuously measure the thermal oxidizer combustion chamber temperature. The average thermal oxidizer combustion chamber temperature shall be maintained at a minimum of 1450°F at all times when the air contaminant emissions from the tempering kiln incorporated in Source ID 191P are being controlled by the Control Device ID RTO01.

Any parameter reading outside the allowable CAM range is defined as an excursion.

**# 009 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Additional authority for this permit condition is also derived from the compliance assurance monitoring (CAM) requirements of 40 CFR Section 64.6]

The permittee shall conduct the monitoring and fulfill the other obligations (i.e., proper monitor maintenance, corrective action, etc.) specified in 40 CFR Section 64.7.

**# 010 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from the compliance assurance monitoring requirements of 40 CFR Section 64.6]

The thermocouples for Control Device RTO01 shall be calibrated, according to the procedure specified in Subpart DDDD of the National Emission Standards for Hazardous Air Pollutants: Plywood and Composite Wood Products, at least semiannually. Each thermocouple shall be accurate to within 0.75% of the temperature measured.

**IV. RECORDKEEPING REQUIREMENTS.****# 011 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR Section 63.2282 and Section 2283]

The permittee shall maintain records listed in paragraphs (1) through (4) of this section for Source ID 191P.

**SECTION D. Source Level Requirements**

- (1) A copy of each notification and report that you submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status that you submitted, according to the requirements in 40 CFR Section 63.10(b)(2)(xiv).
- (2) The records in 40 CFR Sections 63.6(e)(3)(iii) through (v) related to startup, shutdown, and malfunction.
- (3) Documentation of your approved routine control device maintenance exemption, if you request such an exemption under 40 CFR Section 63.2251.
- (4) Records of performance tests and performance evaluations as required in 40 CFR Section 63.10(b)(2)(viii).

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

**# 012 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain accurate and comprehensive records of the following:

- (1) The volume of natural gas combusted each month in the kiln incorporated in Source ID 191P and the volume of natural gas combusted each month in Control Device ID RTO01.
- (2) The amount of tempering oil applied in Source ID 191P for each month.
- (3) Supporting calculations used to verify compliance with the sulfur oxides and particulate matter emission limitations for Source ID 191P.
- (4) Calculations used on a monthly basis to verify compliance with the all annual volatile organic compound and nitrogen oxides (NO<sub>x</sub>, expressed as NO<sub>2</sub>) emission limitations for the source.

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

**# 013 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from the compliance assurance monitoring (CAM) requirements of 40 CFR Sections 64.6 and 64.9]

The permittee shall record the combustion chamber temperature of Control Device ID RTO01 at least once every minute (i.e., individual thermocouple readings and averages of the two readings). The permittee shall also maintain records of the amount of tempering oil used each month in Source ID 191P. In addition, the permittee shall maintain records of monitor performance data (calibrations, monitor accuracy, monitor malfunctions, etc.) and corrective actions taken in the event of an excursion from the required minimum combustion chamber temperature.

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

**V. REPORTING REQUIREMENTS.****# 014 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR Section 63.2281]

The permittee shall submit an immediate startup, shutdown and malfunction report any time an action taken by the permittee during a startup or shutdown that caused Source 191P to exceed any applicable emission limitation in the relevant emission standards, or malfunction (including actions taken to correct a malfunction) is not consistent with the procedures specified in the Startup, Shutdown and Malfunction Plan for Source 191P. The permittee shall report the actions taken for the event by fax or telephone within two (2) working days after starting actions inconsistent with the plan. The information in 40 CFR Section 63.10(d)(5)(ii) shall be reported by letter within seven (7) working days after the end of the event unless the permittee has made alternative arrangements with the permitting authority.

**# 015 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR Section 63.2281]

**SECTION D. Source Level Requirements**

The permittee shall submit semiannual reports for Source ID 191P which contain the following information:

- (1) Company name and address.
- (2) Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report.
- (3) Date of report and beginning and ending dates of the reporting period.
- (4) If you had a startup, shutdown, or malfunction during the reporting period and you took actions consistent with your Startup, Shutdown and Malfunction Plan, the compliance report must include the information specified in 40 CFR Section 63.10(d)(5)(i).
- (5) A description of control device maintenance performed while the control device was offline and one or more of the process units controlled by the control device was operating, including the information specified in paragraphs (5)(a) and (b) of this section.
  - (a) The date and time when the control device was shut down and restarted.
  - (b) Identification of the process units that were operating and the number of hours that each process unit operated while the control device was offline.
- (6) The results of any performance tests conducted during the semiannual reporting period.
- (7) If there are no deviations from any applicable compliance option or operating requirement, a statement that there were no deviations from the compliance options or operating requirements during the reporting period.
- (8) If there were no periods during which the continuous monitoring system (CMS), including CEMS and CPMS, was out-of-control as specified in 40 CFR Section 63.8(c)(7), a statement that there were no periods during which the CMS was out-of-control during the reporting period.

For each deviation from a compliance option or operating requirement occurring at an affected source where you are using a CMS to comply with the compliance options and operating requirements in this subpart, you must also include the information in paragraphs (1) through (11) of this section. This includes periods of startup, shutdown, and malfunction and routine control device maintenance.

- (1) The date and time that each malfunction started and stopped.
- (2) The date and time that each CMS was inoperative, except for zero (low-level) and high-level checks.
- (3) The date, time, and duration that each CMS was out-of-control, including the information in 40 CFR Section 63.8(c)(8).
- (4) The date and time that each deviation started and stopped, and whether each deviation occurred during a period of startup, shutdown, or malfunction; during a period of control device maintenance covered in your approved routine control device maintenance exemption; or during another period.
- (5) A summary of the total duration of the deviation during the reporting period and the total duration as a percent of the total source operating time during that reporting period.
- (6) A breakdown of the total duration of the deviations during the reporting period into those that are due to startup, shutdown, control system problems, control device maintenance, process problems, other known causes, and other unknown causes.
- (7) A summary of the total duration of CMS downtime during the reporting period and the total duration of CMS downtime as a percent of the total source operating time during that reporting period.
- (8) A brief description of the process units.
- (9) A brief description of the CMS.
- (10) The date of the latest CMS certification or audit.
- (11) A description of any changes in CMS, processes, or controls since the last reporting period.

The permittee must report all deviations as defined in this subpart in the semiannual monitoring report required by 40 CFR Section 70.6(a)(3)(iii)(A) or Section 71.6(a)(3)(iii)(A). If an affected source submits a compliance report pursuant to condition #015 herein along with, or as part of, the semiannual monitoring report required by 40 CFR Section 70.6(a)(3)(iii)(A) or Section 71.6(a)(3)(iii)(A), and the compliance report includes all required information concerning deviations from any compliance option or operating requirement in this subpart, submission of the compliance report shall be deemed to satisfy any obligation to report the same deviations in the semiannual monitoring report. However, submission of a compliance report shall not otherwise affect any obligation the affected source may have to report deviations from permit requirements to the permitting authority.

**SECTION D. Source Level Requirements**

Each compliance report must cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31. Each subsequent compliance report must be postmarked or delivered no later than July 31 or January 31 for the semiannual reporting period ending on June 30 and December 31, respectively.

**# 016 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall submit to the Department a semi-annual report containing records of the calculations used to verify compliance with the 12 consecutive month volatile organic compound and nitrogen oxides (NO<sub>x</sub>, expressed as NO<sub>2</sub>) emission limitations. The semi-annual report shall be the 12 consecutive month emissions updated each month of the 6 months within the respective reporting period by adding the emissions occurring during the most recent month and dropping the emissions from the corresponding month in the preceding year. The semi-annual reports shall be submitted to the Department no later than September 1 and March 1.

**# 017 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from the compliance assurance monitoring (CAM) requirements of 40 CFR Sections 64.6 and 64.9]

The permittee shall submit semiannual reports of the following:

- (1) Summary information on the number, duration and cause (including unknown cause, if applicable) of CAM excursions (any parameter reading outside the allowable range) and the corrective actions taken; and
- (2) summary information on the number, duration and cause (including unknown cause, if applicable) for CAM monitor downtime incidents (other than downtime associated with zero and span or other calibration checks, if applicable).

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

**# 018 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR 63.2280]

The permittee shall submit all notifications required by 40 CFR Sections 63.7(b) and (c), 63.8(e), (f)(4) and (f)(6), 63.9(b) through (e), (g) and (h) that apply to Source ID 191P to the U.S. Environmental Protection Agency and the Department by the dates specified.

**# 019 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

Within 60 days following the completion of any testing required herein, the permittee shall submit a printed copy and an electronic copy in pdf format of a test report to the Northcentral Regional Air Program Manager (Department of Environmental Protection, 208 West Third Street, Suite 101, Williamsport, PA 17701) and the Source Testing Section Program Manager (Division of Source Testing and Monitoring, Department of Environmental Protection, Rachel Carson State Office Building, 400 Market Street, Harrisburg, PA 17105) for review. This test report shall contain the results of the testing, a description of the test methods and procedures actually used, copies of all raw test data with sample calculations and copies of all process data recorded during testing. The results of all testing shall be expressed in units which will allow direct comparisons to the emission limitation specified herein.

**VI. WORK PRACTICE REQUIREMENTS.****# 020 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Control Device ID RTO01 may be bypassed for safety purposes during cold startups of the tempering kiln incorporated in Source ID 191P. In addition, if the thermal oxidizer needs to be relit due to a malfunction, it may be bypassed for safety purposes. However, no additional product may be processed through the tempering kiln incorporated in Source ID 191P until Control Device ID RTO01 is brought back on line and is operating in compliance with the temperature requirement specified herein.

**SECTION D. Source Level Requirements****# 021 [25 Pa. Code §129.97]****Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule.**

The tempering kiln incorporated in Source ID 191P and Control Device ID RTO01 shall be maintained and operated in accordance with the manufacturer's specifications and with good operating practices.

**VII. ADDITIONAL REQUIREMENTS.****# 022 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Source ID 191P is a "Line 1 hardboard tempering operation" comprised of the following:

- (1) a tempering oil application station
- (2) a natural gas fired tempering kiln

The air contaminant emissions from the tempering oil application station listed in (1) above shall be controlled by a venturi scrubber (Control Device ID C191A). The air contaminant emissions from the tempering kiln shall be controlled by a Reeco model VF-C three chamber regenerative thermal oxidizer (Control Device ID RTO01). The aforementioned source(s) shall not be operated at any time without simultaneous operation of the respective air cleaning device(s).

**# 023 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Source ID 191P is subject to the compliance assurance monitoring (CAM) requirements of 40 CFR Part 64. The permittee shall comply with all applicable requirements of 40 CFR Sections 64.1 through 64.10.

**# 024 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR Part 64 Section 64.8]

The permittee shall develop, implement, and submit to the Department a quality improvement plan (QIP) as expeditiously as practicable if any of the following occurs:

- (1) For properly and accurately collected data, accumulated excursions exceed 5% duration of the operational time in the reporting period,
- (2) six (6) excursions occur in a six-month reporting period, or
- (3) the Department determines after review of all reported information that the permittee has not responded acceptably to an excursion.

The permittee shall follow the provisions of 40 CFR Section 64.8 when developing a QIP.

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

**SECTION D. Source Level Requirements**

Source ID: 193P

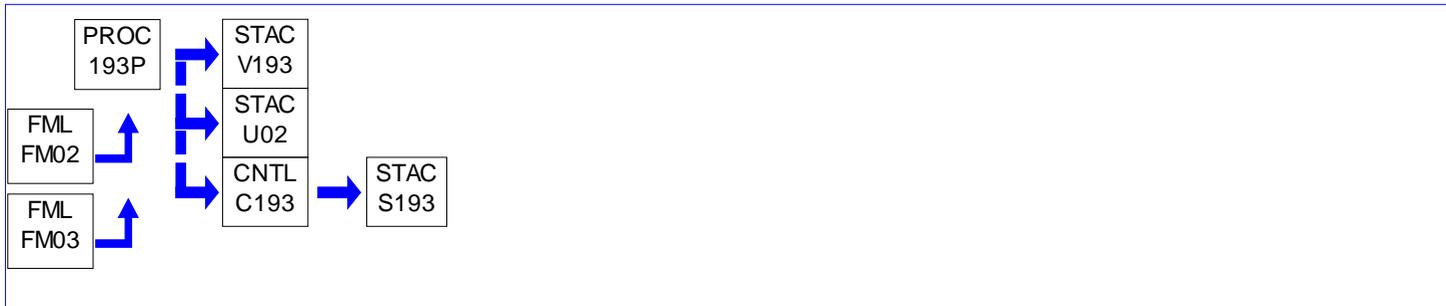
Source Name: DIE FORM TEMPERING

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 3

3.C

PCWP MACT

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.13]****Processes**

The permittee shall not permit the emission of particulate matter into the outdoor atmosphere from Source ID 193P in a manner such that the concentration of particulate matter in the effluent gas exceeds 0.04 grains per dry standard cubic foot.

**# 002 [25 Pa. Code §123.21]****General**

The permittee shall not permit the emission of sulfur oxides, expressed as SO<sub>2</sub>, into the outdoor atmosphere from Source ID 193P and the associated RTO (Control Device ID C193) in a manner such that the concentration of the sulfur oxides in the effluent gas exceeds 500 parts per million, by volume, dry basis.

**# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code Sections 127.1 and 127.12]

The air contaminant emissions from the Die Form kiln incorporated in Source ID 193P and Control Device ID C193 shall not exceed the following:

- (1) nitrogen oxides (NO<sub>x</sub>, expressed as NO<sub>2</sub>) - 2.89 pounds per hour and 6.6 tons in any 12 consecutive month period
- (2) carbon monoxide - 3.17 pounds per hour and 9.70 tons in any 12 consecutive month period

**# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code Section 127.207]

The volatile organic compound emissions from the Die Form kiln incorporated in Source ID 193P and Control Device ID C193 shall not exceed 2.10 tons in any 12 consecutive month period (as propane by Method 25A).

**# 005 [25 Pa. Code §129.91]****Control of major sources of NO<sub>x</sub> and VOCs**

The nitrogen oxides (NO<sub>x</sub>, expressed as NO<sub>2</sub>) emissions resulting from the combustion of natural gas in the kiln incorporated in Source ID 193P shall not exceed 2.30 tons in any 12 consecutive month period.

**# 006 [25 Pa. Code §129.97]****Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule.**

The total combined emission of volatile organic compounds from Source ID 193P and Control Device ID C193 shall not exceed 10.90 tons in any 12 consecutive month period (as propane by Method 25A).

**SECTION D. Source Level Requirements**

Compliance with this condition also ensures compliance with 25 Pa. Code Section 129.91.

**Fuel Restriction(s).**

**# 007 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

Control Device ID C193 shall only be fired on natural gas and/or propane/air mix.

**# 008 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The Die Form kiln incorporated in Source ID 193P shall only be fired natural gas or propane.

**II. TESTING REQUIREMENTS.**

**# 009 [25 Pa. Code §129.100]**

**Compliance demonstration and recordkeeping requirements.**

(1) By no later than November 30, 2018, and by no later than every five years thereafter (November 30, 2023, November 30, 2028, etc.), but, in each case, not more than one year prior to the specified deadline, the permittee shall perform stack testing to determine either the reduction of total hydrocarbons (as carbon) across Control Device ID C193 or determine the concentration of total hydrocarbons (as carbon) contained in the effluent gas from Control Device ID C193. All testing shall be performed while the respective source is operating at its normal maximum rate of production.

(2) At least 60 days prior to the performance of any testing required herein, the permittee shall submit a printed copy and an electronic copy in pdf format of a pretest protocol to the Northcentral Regional Air Program Manager (Department of Environmental Protection, 208 West Third Street, Suite 101, Williamsport, PA 17701) and to the Source Testing Section Program Manager (Division of Source Testing and Monitoring, Department of Environmental Protection, Rachel Carson State Office Building, 400 Market Street, Harrisburg, PA 17105) for review. The protocol shall describe the test methods and procedures to be used in the performance of testing, and shall include dimensioned sketches of the exhaust system showing the locations of all proposed sampling ports. The protocol shall also identify all process data which will be monitored and recorded during the performance of testing.

(3) At least 10 days prior to the performance of any testing required herein, the permittee shall notify the Department of the actual date(s) and time(s) that testing will occur so that Department personnel can arrange to be present during testing. The Department is under no obligation to accept the results of any testing performed without proper notification having first been given.

**III. MONITORING REQUIREMENTS.**

**# 010 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code Sections 127.1 and 127.12]

The permittee shall install, operate and maintain a pressure monitoring device that shall accurately measure and record the pressure drop across the media for Control Device ID C193 at least once every 15 minutes. Such information shall be used to monitor material buildup and to take appropriate corrective action to prevent excessive material buildup on the thermal oxidizer media. All records generated pursuant to this condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

**# 011 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code Sections 127.1 and 127.12]

The permittee shall install, operate and maintain a temperature monitoring device that shall accurately measure and record the combustion chamber temperature of Control Device ID C193 at least once every 15-minutes. The permittee shall comply with the installation, accuracy, inspection, maintenance, calibration and recordkeeping requirements specified in 40 CFR

**SECTION D. Source Level Requirements**

Section 63.2269(a) and (b) and the data availability requirements of 40 CFR Section 63.2270. All records generated pursuant to this condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

**IV. RECORDKEEPING REQUIREMENTS.****# 012 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain accurate and comprehensive records of supporting calculations used to verify compliance with the sulfur oxides and particulate matter emissions limitations for each of the exhausts of Source ID 193P. All records generated pursuant to this condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

**# 013 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain accurate and comprehensive records of the amounts of nitrogen oxides (NO<sub>x</sub>, expressed as NO<sub>2</sub>), carbon monoxide and volatile organic compounds emitted each month from the Die Form kiln incorporated in Source ID 193P and Control Device ID C193 to verify compliance with the annual nitrogen oxide (NO<sub>x</sub>, expressed as NO<sub>2</sub>), carbon monoxide and volatile organic compound emission limitations. All records generated pursuant to this condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

**# 014 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR Section 63.2282 and Section 2283]

The permittee shall maintain records listed in paragraphs (1) through (4) of this section for Source ID 193P.

(1) A copy of each notification and report that you submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status that you submitted, according to the requirements in 40 CFR Section 63.10(b)(2)(xiv).

(2) The records in 40 CFR Sections 63.6(e)(3)(iii) through (v) related to startup, shutdown, and malfunction.

(3) Documentation of your approved routine control device maintenance exemption, if you request such an exemption under 40 CFR Section 63.2251.

(4) Records of performance tests and performance evaluations as required in 40 CFR Section 63.10(b)(2)(viii).

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

**# 015 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain accurate and comprehensive records of the following:

(1) The amount of oil (expressed in pounds) applied in Source ID 193P on a monthly basis.

(2) The volume of natural gas combusted each month in the kiln incorporated in Source ID 193P.

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

**V. REPORTING REQUIREMENTS.****# 016 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR 63.2280]

The permittee shall submit all notifications required by 40 CFR Sections 63.7(b) and (c), 63.8(e), (f)(4) and (f)(6), 63.9(b) through (e), (g) and (h) that apply to Source ID 193P to the U.S. Environmental Protection Agency and the Department by the dates specified.

**SECTION D. Source Level Requirements****# 017 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR Section 63.2281]

The permittee shall submit an immediate startup, shutdown and malfunction report any time an action taken by the permittee during a startup or shutdown that caused Source 193P to exceed any applicable emission limitation in the relevant emission standards, or malfunction (including actions taken to correct a malfunction) is not consistent with the procedures specified in the Startup, Shutdown and Malfunction Plan for Source 193P. The permittee shall report the actions taken for the event by fax or telephone within two (2) working days after starting actions inconsistent with the plan. The information in 40 CFR Section 63.10(d)(5)(ii) shall be reported by letter within seven (7) working days after the end of the event unless the permittee has made alternative arrangements with the permitting authority.

**# 018 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR Section 63.2281]

The permittee shall submit semiannual reports for Source ID 193P which contain the following information:

- (1) Company name and address.
- (2) Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report.
- (3) Date of report and beginning and ending dates of the reporting period.
- (4) If you had a startup, shutdown, or malfunction during the reporting period and you took actions consistent with your Startup, Shutdown and Malfunction Plan, the compliance report must include the information specified in 40 CFR Section 63.10(d)(5)(i).
- (5) A description of control device maintenance performed while the control device was offline and one or more of the process units controlled by the control device was operating, including the information specified in paragraphs (5)(a) and (b) of this section.
  - (a) The date and time when the control device was shut down and restarted.
  - (b) Identification of the process units that were operating and the number of hours that each process unit operated while the control device was offline.
- (6) The results of any performance tests conducted during the semiannual reporting period.
- (7) If there are no deviations from any applicable compliance option or operating requirement, a statement that there were no deviations from the compliance options or operating requirements during the reporting period.
- (8) If there were no periods during which the continuous monitoring system (CMS), including CEMS and CPMS, was out-of-control as specified in 40 CFR Section 63.8(c)(7), a statement that there were no periods during which the CMS was out-of-control during the reporting period.

For each deviation from a compliance option or operating requirement occurring at an affected source where you are using a CMS to comply with the compliance options and operating requirements in this subpart, you must also include the information in paragraphs (1) through (11) of this section. This includes periods of startup, shutdown, and malfunction and routine control device maintenance.

- (1) The date and time that each malfunction started and stopped.
- (2) The date and time that each CMS was inoperative, except for zero (low-level) and high-level checks.
- (3) The date, time, and duration that each CMS was out-of-control, including the information in 40 CFR Section 63.8(c)(8).
- (4) The date and time that each deviation started and stopped, and whether each deviation occurred during a period of startup, shutdown, or malfunction; during a period of control device maintenance covered in your approved routine control device maintenance exemption; or during another period.
- (5) A summary of the total duration of the deviation during the reporting period and the total duration as a percent of the total source operating time during that reporting period.
- (6) A breakdown of the total duration of the deviations during the reporting period into those that are due to startup, shutdown, control system problems, control device maintenance, process problems, other known causes, and other

**SECTION D. Source Level Requirements**

unknown causes.

(7) A summary of the total duration of CMS downtime during the reporting period and the total duration of CMS downtime as a percent of the total source operating time during that reporting period.

(8) A brief description of the process units.

(9) A brief description of the CMS.

(10) The date of the latest CMS certification or audit.

(11) A description of any changes in CMS, processes, or controls since the last reporting period.

The permittee must report all deviations as defined in this subpart in the semiannual monitoring report required by 40 CFR Section 70.6(a)(3)(iii)(A) or Section 71.6(a)(3)(iii)(A). If an affected source submits a compliance report pursuant to condition #016 herein along with, or as part of, the semiannual monitoring report required by 40 CFR Section 70.6(a)(3)(iii)(A) or Section 71.6(a)(3)(iii)(A), and the compliance report includes all required information concerning deviations from any compliance option or operating requirement in this subpart, submission of the compliance report shall be deemed to satisfy any obligation to report the same deviations in the semiannual monitoring report. However, submission of a compliance report shall not otherwise affect any obligation the affected source may have to report deviations from permit requirements to the permitting authority.

Each compliance report must cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31. Each subsequent compliance report must be postmarked or delivered no later than July 31 or January 31 for the semiannual reporting period ending on June 30 and December 31, respectively.

**# 019 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

Within 60 days following the completion of any testing required herein, the permittee shall submit a printed copy and an electronic copy in pdf format of a test report to the Northcentral Regional Air Program Manager (Department of Environmental Protection, 208 West Third Street, Suite 101, Williamsport, PA 17701) and the Source Testing Section Program Manager (Division of Source Testing and Monitoring, Department of Environmental Protection, Rachel Carson State Office Building, 400 Market Street, Harrisburg, PA 17105) for review. This test report shall contain the results of the testing, a description of the test methods and procedures actually used, copies of all raw test data with sample calculations and copies of all process data recorded during testing. The results of all testing shall be expressed in units which will allow direct comparisons to the emission limitation specified herein.

**VI. WORK PRACTICE REQUIREMENTS.****# 020 [25 Pa. Code §129.97]****Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule.**

[Additional authority for this permit condition is derived from 25 Pa. Code Section 129.91]

The tempering kiln incorporated in Source ID 191P shall be maintained and operated in accordance with the manufacturer's specifications and with good operating practices.

**VII. ADDITIONAL REQUIREMENTS.****# 021 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Source ID 193P is a "Die Form tempering operation" comprised of the following:

- (1) a linseed oil application station
- (2) a tempering hood
- (3) a board Racking area with roof vents
- (4) a 4.8 million Btu per hour, natural gas/propane-fired drying kiln

The air contaminant emissions from Source ID 193P shall be controlled by an 8' x 8' x 8' water dropout box followed by a Durr model RL-15-V2-95 rotary regenerative thermal oxidizer (Control Device ID C193). The RTO shall be equipped with a 2.5 million Btu per hour, natural gas/propane-fired Maxon Kinedizer high velocity type low-NOx burner. The RTO shall also be equipped with a natural gas injection system for NOx emissions reduction and lowered fuel consumption.



**SECTION D. Source Level Requirements**

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

**SECTION D. Source Level Requirements**

Source ID: 194P

Source Name: COATED FUEL SILO

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 4

PAC WOOD HANDLING

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code Sections 127.1 and 127.12]

The permittee shall not permit the emission of particulate matter into the outdoor atmosphere from Source ID 194P in a manner such that the concentration of particulate matter in the effluent gas exceeds 0.02 grains per dry standard cubic foot.

Compliance with this permit condition also ensures compliance with 25 Pa. Code Section 123.13.

**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.****# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall keep on hand a sufficient quantity of spare fabric collector bags for Control Device ID BVB01 in order to be able to immediately replace any bags requiring replacement due to deterioration resulting from routine operation of Source ID 194P and Control Device ID BVB01.

**VII. ADDITIONAL REQUIREMENTS.****# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code Sections 127.1 and 127.12]

**SECTION D. Source Level Requirements**

The coated fuel silo emergency discharge of Source ID 194P shall be equipped with a flexible discharge to direct wood fiber to the ground. In addition, the fiber in the silo shall be wetted down prior to or during activation of the emergency discharge.

# 004 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

Source ID 194 is a 63,670 cubic foot coated fuel (coated or non-coated dry material) Laidig Industrial Systems storage silo equipped with two pneumatic blowlines aligned to target boxes and a coated fuel silo emergency discharge bin, the particulate matter emissions from which shall be controlled by a bin vent fabric collector (Control Device ID BVB01).

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

**SECTION D. Source Level Requirements**

Source ID: 195P

Source Name: DRY FUEL METERING BIN

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 4

PAC WOOD HANDLING

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code Sections 127.1 and 127.12]

The permittee shall not permit the emission of particulate matter into the outdoor atmosphere from Source ID 195P in a manner such that the concentration of particulate matter in the effluent gas exceeds 0.02 grains per dry standard cubic foot.

Compliance with this permit condition also ensures compliance with 25 Pa. Code Section 123.13.

**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.****# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall keep on hand a sufficient quantity of spare fabric collector bags for Control Device ID BVB02 in order to be able to immediately replace any bags requiring replacement due to deterioration resulting from routine operation of Source ID 195P and Control Device ID BVB02.

**VII. ADDITIONAL REQUIREMENTS.****# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Source ID 195P is a dry fuel (wood dust) metering feed bin equipped with a target box, the particulate matter emissions from

**SECTION D. Source Level Requirements**

which shall be controlled by an Amerex fabric collector (Control Device ID BVB02).

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

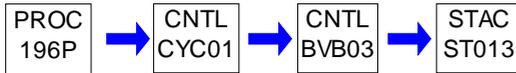
**SECTION D. Source Level Requirements**

Source ID: 196P

Source Name: AIR DENSITY SEPERATOR &amp; SILO

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 4

**I. RESTRICTIONS.****Emission Restriction(s).**

# 001 [25 Pa. Code §123.13]

**Processes**

The permittee shall not permit the emission of particulate matter into the outdoor atmosphere from Source ID 196P in a manner such that the concentration of particulate matter in the effluent gas exceeds 0.04 grains 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) 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.**

# 002 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall keep on hand a sufficient quantity of spare fabric collector bags for Control Device ID BVB03 in order to be able to immediately replace any bags requiring replacement due to deterioration resulting from routine operation of Source ID 196P and Control Device ID BVB03.

**VII. ADDITIONAL REQUIREMENTS.**

# 003 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

Source ID 196P is a Radar Industries Air Density Separator to the 63,670 cubic foot Wet Fuel Laidig industrial Systems storage silo, the particulate matter emissions from which shall be controlled by a 126" Radar model E heavy duty cyclone (Control Device ID CYC01) and an Amerex fabric collector (Control Device ID BVB03).

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

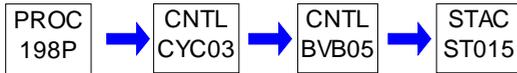
**SECTION D. Source Level Requirements**

Source ID: 198P

Source Name: BOILER STOKER FEED SYSTEM

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 4

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.13]****Processes**

The permittee shall not permit the emission of particulate matter into the outdoor atmosphere from Source ID 198P in a manner such that the concentration of particulate matter in the effluent gas exceeds 0.04 grains 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) 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.****# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall keep on hand a sufficient quantity of spare fabric collector bags for Control Device ID BVB05 in order to be able to immediately replace any bags requiring replacement due to deterioration resulting from routine operation of Source ID 198P and Control Device ID BVB05.

**VII. ADDITIONAL REQUIREMENTS.****# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Source ID 198P is a pneumatic conveying system from the Laidig Mixed Fuel Silo to the #3 boiler stoker feed system, the particulate matter emissions from which shall be controlled by a 56" Rader model E heavy duty cyclone (Control Device ID CYC03) followed by an Amerex fabric collector (Control Device ID BVB05).

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

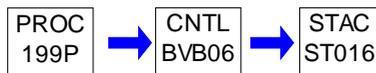
**SECTION D. Source Level Requirements**

Source ID: 199P

Source Name: STOKER OVERFEED PNEUMATIC SYSTEM

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 4

**I. RESTRICTIONS.****Emission Restriction(s).**

# 001 [25 Pa. Code §123.13]

**Processes**

The permittee shall not permit the emission of particulate matter into the outdoor atmosphere from Source ID 199P in a manner such that the concentration of particulate matter in the effluent gas exceeds 0.04 grains 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) 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.**

# 002 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall keep on hand a sufficient quantity of spare fabric collector bags for Control Device ID BVB06 in order to be able to immediately replace any bags requiring replacement due to deterioration resulting from routine operation of Source ID 199P and Control Device ID BVB06.

**VII. ADDITIONAL REQUIREMENTS.**

# 003 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

Source ID 199P is an overfeed pneumatic system from the #3 boiler feed system back to the wet fuel silo via a target box, the particulate matter emissions from which shall be controlled by a bin vent fabric collector (Control Device ID BVB06).

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

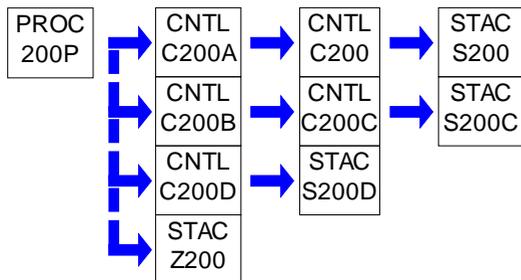
**SECTION D. Source Level Requirements**

Source ID: 200P

Source Name: WOODYARD

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 4

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.13]****Processes**

The permittee shall not permit the emission of particulate matter into the outdoor atmosphere from the exhaust of Control Device ID C200, Control Device ID C200C and Control Device ID C200D in a manner such that the concentration of particulate matter in the effluent gas exceeds 0.04 grains per dry standard cubic foot.

**# 002 [25 Pa. Code §129.99]****Alternative RACT proposal and petition for alternative compliance schedule.**

[Additional authority for this permit condition is derived from 25 Pa. Code Section 129.91]

The volatile organic compound emissions from Source ID 200P shall not exceed 11.20 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 §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from compliance assurance monitoring requirements of 40 CFR Section 64.6]

The permittee shall perform visual checks of Control Device ID C200D for leaks at least once each operating day. The discovery of any leaks shall initiate immediate corrective action. Failure to conduct the daily visible leak checks or perform immediate corrective action shall be considered an excursion.

**IV. RECORDKEEPING REQUIREMENTS.****# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain accurate and comprehensive records of supporting calculations used to verify compliance with the particulate matter emission limitations associated with Source ID 200P. All records generated pursuant to this condition shall be retained for five (5) years and shall be made available to the Department upon request.

**SECTION D. Source Level Requirements****# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from the compliance assurance monitoring requirements of 40 CFR Sections 64.6 and 64.9]

The permittee shall maintain accurate and comprehensive records of the visual leak checks performed for Control Device ID C200D, as well as records of any corrective actions taken in the event that a leak(s) is detected. All records generated pursuant to this condition shall be retained 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.**

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 §127.441]****Operating permit terms and conditions.**

Source ID 200P is a log storage area (referred to as the woodyard) comprised of the following:

- (1) a wood chipper
- (2) line I chip receiving
- (3) line II chip receiving

The particulate matter emissions from the chipper listed in (1) above shall be controlled by a cyclone (Control Device ID C200A) followed by a fabric collector (Control Device ID C200). The particulate matter emissions from the line I chip receiving listed in (2) above shall be controlled by two cyclones (Control Device ID C200B) followed by a fabric collector (Control Device ID C200C). The particulate matter emissions from the line II chip receiving listed in (3) above shall be controlled by a cyclone (Control Device ID C200D).

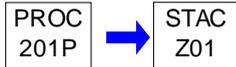
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: 201P

Source Name: FIBER STORAGE PILE (MAS.ID A-10)

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.****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Source ID 201P is a waste wood fiber landfill.

**# 002 [25 Pa. Code §129.91]****Control of major sources of NO<sub>x</sub> and VOCs**

The schedule for complete removal of Source ID 201P (containing waste wood fiber) from the CraftMaster facility shall comply with the provisions of the Consent Order and Agreement entered into by CraftMaster with the Department's Waste Management Program.

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

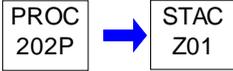


**SECTION D. Source Level Requirements**

Source ID: 202P

Source Name: JET-A-MARK CODE PRINTERS

Source Capacity/Throughput:



**I. RESTRICTIONS.**

**Emission Restriction(s).**

**# 001 [25 Pa. Code §129.91]**  
**Control of major sources of NOx and VOCs**

The volatile organic compound emissions from the five Jet-a-Mark printers shall not exceed 10.30 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).

**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 §127.441]**  
**Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR Section Section 63.2260]

The permittee shall maintain accurate and comprehensive record of the coatings used in Source ID 202P which adequately demonstrate the coatings are non-hazardous air pollutant containing coatings, as defined in 40 CFR Section 63.2292. All records generated pursuant to this condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

**# 003 [25 Pa. Code §127.441]**  
**Operating permit terms and conditions.**

The permittee shall maintain accurate and comprehensive records of the following:

- (1) The amount of ink and the volatile organic compound content of each ink used in Source ID 202P.
- (2) Calculations of the amount of volatile organic compounds emitted from Source ID 202P for each month.

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

**V. REPORTING REQUIREMENTS.**

**# 004 [25 Pa. Code §127.441]**  
**Operating permit terms and conditions.**

The submission of all requests, reports, application submittals and other communications required by Subpart DDDD of the National Emission Standards for Hazardous Air Pollutants: Plywood and Composite Wood Products, 40 CFR Sections 63.2230 through 63.2292, must be made to both the U.S. Environmental Protection Agency and the Department. The copies may be sent to:

Associate Director

**SECTION D. Source Level Requirements**

Office of Air Enforcement and Compliance Assistance (3AP20)  
 U.S. EPA, Region III  
 1650 Arch Street  
 Philadelphia, PA 19107

And

Pennsylvania Department of Environmental Protection  
 Air Quality Program Manager  
 208 W. Third Street, Suite 101  
 Williamsport, PA 17701-6448

**# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR 63.2280]

The permittee shall submit all notifications required by 40 CFR Sections 63.7(b) and (c), 63.8(e), (f)(4) and (f)(6), 63.9(b) through (e), (g) and (h) that apply to Source ID 202P to the U.S. Environmental Protection Agency and the Department by the dates specified.

**VI. WORK PRACTICE REQUIREMENTS.****# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR Section 63.2241]

Only non-hazardous air pollutant containing coatings, as defined in 40 CFR Section 63.2292, shall be used in Source ID 202P

**# 007 [25 Pa. Code §129.97]****Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule.**

The printers incorporated in Source ID 202P shall be maintained and operated in accordance with the manufacturer's specifications and with good operating practices.

**VII. ADDITIONAL REQUIREMENTS.****# 008 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR Section 63.2250]

The permittee shall be in compliance with the work practice requirements specified by Subpart DDDD of the National Emission Standards for Hazardous Air Pollutants: Plywood and Composite Wood Products, 40 CFR Sections 63.2230 through 63.2292 for Source ID 202P at all times.

**# 009 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Source ID 202P is comprised of Jet-A-Mark code printers.

**# 010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.2231]****Subpart DDDD - National Emission Standards for Hazardous Air Pollutants: Plywood and Composite Wood Products****Does this subpart apply to me?**

Source IDs 141P, 142P, 161P, 162P, 171P, 172P, 184P, 191P, 193P and 202P are subject to Subpart DDDD of the National Emission Standards for Hazardous Air Pollutants: Plywood and Composite Wood Products. The permittee shall comply with all applicable requirements specified in 40 CFR Sections 63.2230 through 63.2292.

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

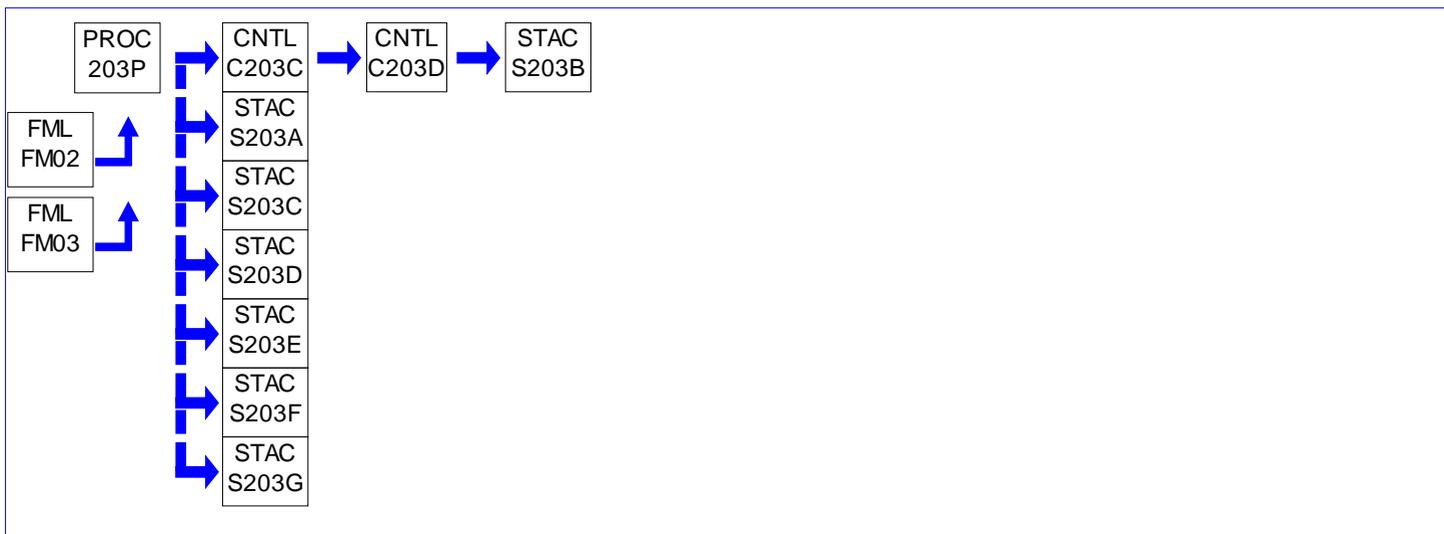
**SECTION D. Source Level Requirements**

Source ID: 203P

Source Name: TRIM SURFACE COATING OPERATION

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 4

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.13]****Processes**

The permittee shall not permit the emission of particulate matter into the outdoor atmosphere from the IR and HVHA ovens incorporated in Source ID 203P in a manner such that the concentration in the effluent gas exceeds 0.04 grains per dry standard cubic foot.

**# 002 [25 Pa. Code §123.21]****General**

The permittee shall not permit the emission of sulfur oxides, expressed as SO<sub>2</sub>, into the outdoor atmosphere from the IR and HVHA ovens incorporated in Source ID 203P in a manner such that the concentration of the sulfur oxides in the effluent gas exceeds 500 parts per million, by volume, dry basis.

**# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code Sections 127.1 and 127.12]

The only coatings that shall be used in Source ID 203P shall be water-based coatings with a volatile organic compound content of no greater than 0.45 pounds of volatile organic compounds per gallon of coating solids. In addition, water shall be the only thinner used in Source ID 203P.

The volatile organic compound content of each as applied coating, expressed in units of weight of volatile organic compound per volume of coating solids, shall be calculated as follows:

$$\text{VOC} = (\text{Wo})(\text{Dc})/\text{Vn}$$

Where:

VOC = Volatile organic compound content in pounds of volatile organic compounds per gallon of coating solids.

Wo = Weight percent of volatile organic compounds (Wv-Ww-Wex).

Wv = Weight percent of total volatiles (100% - weight percent solids).

Ww = Weight percent of water.

Wex = Weight percent of exempt solvent(s).

**SECTION D. Source Level Requirements**

Dc = Density of coating, pounds per gallon, at 25° C.  
Vn = Volume percent of solids of the as applied coating.

Compliance with this condition also ensures compliance with 25 Pa. Code Section 129.52(c).

**# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12, as well as 40 CFR Section 63.4690]

The organic hazardous air pollutant content of each coating used in Source ID 203P shall not exceed 0.00 pounds per gallon of solids and the thinners and cleaning materials used in Source ID 203P shall contain no organic hazardous air pollutants, as determined in accordance with 40 CFR 63.4741. Continuous compliance with these limitations shall be demonstrated in accordance with 40 CFR 63.4742.

**# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code Sections 127.1 and 127.12]

The air contaminant emissions from Source ID 203P shall not exceed the following:

- (1) nitrogen oxides (NO<sub>x</sub>, expressed as NO<sub>2</sub>) - 2.20 tons in any 12 consecutive month period
- (2) carbon monoxide - 3.80 tons in any 12 consecutive month period
- (3) volatile organic compounds - 22.00 tons in any 12 consecutive month period
- (4) particulate matter, including PM-10 (particulate matter less than 10 micrometers in effective aerodynamic diameter) - 3.70 tons in any 12 consecutive month period
- (5) hazardous air pollutants - 1.30 tons in any 12 consecutive month period

**# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code Sections 127.1 and 127.12]

The air contaminant emissions from each HVHA oven incorporated in Source ID 203P shall not exceed the following:

- (1) nitrogen oxides (NO<sub>x</sub>, expressed as NO<sub>2</sub>) - 10 ppmvd at 3% oxygen (three hour average) when firing natural gas or 12 ppmvd at 3% oxygen (three hour average) when firing propane/air mix or a combination of natural gas and propane/air mix.
- (2) carbon monoxide - 27 ppmdv at 3% oxygen (three hour average)

**# 007 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code Sections 127.1 and 127.12]

The permittee shall not permit the emission of particulate matter from the exhaust of Control Device ID C203C into the outdoor atmosphere in a manner such that the concentration in the effluent gas exceeds 0.01 grains per dry standard cubic foot.

Compliance with this condition also ensures compliance with 25 Pa. Code Section 123.13.

**# 008 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code Sections 127.1 and 127.12]

The opacity of the exhaust from Control Device ID C203D shall not exceed 5% at any time, as measured by Method 9.

**SECTION D. Source Level Requirements****Fuel Restriction(s).****# 009 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code Sections 127.1 and 127.12]

The IR and HVHA ovens incorporated in Source ID 203P shall only fire either natural gas, propane/air mix or a combination of natural gas and propane/air mix.

**# 010 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code Sections 127.1 and 127.12]

The amount of propane fired in the IR and HVHA ovens incorporated in Source ID 203P shall not exceed 83,721 gallons in any 12 consecutive month period.

**Throughput Restriction(s).****# 011 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The MiraTEC Trim Product (or similar trim product produced in Source ID 172P) shall be the only product coated in Source ID 203P.

**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.****# 012 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall measure, once each month while Source ID 203P is operating, the opacity of the exhaust of Control Device ID C203D, as measured using Method 9. The permittee shall maintain accurate and comprehensive records of the measurements and any corrective actions taken if the opacity exceeded 5%. All records generated pursuant to this condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

**IV. RECORDKEEPING REQUIREMENTS.****# 013 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR 63.4730]

The permittee shall maintain accurate and comprehensive records for Source ID 203P of the following:

- (1) A copy of each notification and report submitted to comply with Subpart QQQQ of the National Emission Standards for Hazardous Air Pollutants: Surface Coating of Wood Building Products, 40 CFR Sections 63.4680 through 63.47814, and the documentation supporting each notification and report.
- (2) A current copy of information provided by materials suppliers or manufacturers, such as manufacturer's formulation data, or test data used to determine the mass fraction of organic hazardous air pollutants and density for each coating, thinner, and cleaning material and the volume fraction of coating solids for each coating. If the permittee conducts testing to determine mass fraction of organic hazardous air pollutants, density, or volume fraction of coating solids, the permittee must keep a copy of the complete test report. If the permittee uses information provided by the manufacturer or supplier of the material that was based on testing, the permittee must keep the summary sheet of results provided by the manufacturer or supplier. The permittee is not required to obtain the test report or other supporting documentation from the manufacturer or supplier.
- (3) A record of the calculation of the organic hazardous air pollutant content for each coating, using Equation 2 of 40 CFR Section 63.4741.

**SECTION D. Source Level Requirements**

- (4) A record of the name and volume of each coating, thinner, and cleaning material used during each compliance period.
- (5) A record of the mass fraction of organic hazardous air pollutant for each coating, thinner, and cleaning material used during each compliance period.
- (6) A record of the volume fraction of coating solids for each coating used during each compliance period.
- (7) A record of the density for each coating used during each compliance period.
- (8) The permittee must keep records of the date, time, and duration of each deviation.

All records must be in a form suitable and readily available for expeditious review, according to 40 CFR Section 63.10(b)(1). Where appropriate, the records may be maintained as electronic spreadsheets or as a database. As specified in 40 CFR Section 63.10(b)(1), the permittee must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. The permittee must keep each record on-site for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR Section 63.10(b)(1). The permittee may keep the records off-site for the remaining 3 years.

**# 014 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain accurate and comprehensive records of the amount of nitrogen oxides (NO<sub>x</sub>, expressed as NO<sub>2</sub>), carbon monoxide, volatile organic compounds, particulate matter, including PM-10 (particulate matter less than 10 micrometers in effective aerodynamic diameter), and hazardous air pollutants emitted each month from Source ID 203P, along with the supporting calculations, to verify compliance with the emission limitations in any 12 consecutive month period. All records generated pursuant to this condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

**# 015 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain accurate and comprehensive records of the amount of natural gas and propane fired in Source ID 203P each month. The amount of propane used may be recorded as natural gas equivalent and converted to gallons. The records shall be used to verify compliance with the propane fuel usage limitation in any 12 consecutive month period. All records generated pursuant to this condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

**# 016 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code Section 129.52(c)]

The permittee shall maintain records sufficient to demonstrate compliance with the 0.45 pounds of volatile organic compounds per gallon coating solids, as applied, surface coating limitation established for Source ID 203P.

(1) The permittee shall maintain daily records of the following parameters for each coating, thinner, other component or cleaning solvent as supplied:

- (a) Name and identification number of the coating, thinner, other component or cleaning solvent.
- (b) Volume used.
- (c) Mix ratio.
- (d) Density or specific gravity.
- (e) Weight percent of total volatiles, water, solids and exempt solvents.
- (f) Volume percent of solids for each coating used in Source ID 203P.
- (g) Volatile organic compound content.

(2) The volatile organic compound content of each as applied coating or cleaning solvent.

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

**SECTION D. Source Level Requirements****V. REPORTING REQUIREMENTS.****# 017 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The submission of all requests, reports, application submittals and other communications required by Subpart QQQQ of the National Emission Standards for Hazardous Air Pollutants: Surface Coating of Wood Building Products, 40 CFR Sections 63.4680 through 63.4781, must be made to both the U.S. Environmental Protection Agency and the Department. The copies may be sent to:

Associate Director  
Office of Air Enforcement and Compliance Assistance (3AP2O)  
U.S. EPA, Region III  
1650 Arch Street  
Philadelphia, PA 19107

and

Pennsylvania Department of Environmental Protection  
Air Quality Program Manager  
208 W. Third Street, Suite 101  
Williamsport, PA 17701-6448

**# 018 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR 63.4710]

The permittee shall submit all notifications required by 40 CFR Sections 63.7(b) and (c), 63.8(f)(4) and 63.9(b) through (e) and (h) that apply to Source ID 203P to the U.S. Environmental Protection Agency and the Department by the dates specified.

**# 019 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR 63.4720]

The permittee shall submit semiannual reports for Source ID 203P which contain the following information:

- (1) Company name and address.
- (2) Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report.
- (3) Date of report and beginning and ending dates of the reporting period. The reporting period is the 6-month period ending on June 30 or December 31. Note that the information reported for each of the 6 months in the reporting period will be based on the last 12 months of data prior to the date of each monthly calculation.
- (4) If there were no deviations from the emission limitations specified herein for organic hazardous air pollutants for Source ID 203P, the semiannual compliance report must include a statement that there were no deviations from the emission limitations during the reporting period.
- (5) If there was a deviation from the emission limitations specified herein for organic hazardous air pollutants for Source ID 203P, the semiannual compliance report must contain the following information:
  - (a) Identification of each coating used that deviated from the subject limitation, each thinner and cleaning material used that contained organic hazardous air pollutant, and the dates and time periods each material was used.
  - (b) The calculation of the organic hazardous air pollutant content (using Equation 2 of 40 CFR Section 63.4741) for each coating identified in section (5)(a) of this condition. The permittee does not need to submit background data supporting this calculation (e.g., information provided by coating suppliers or manufacturers, or test reports).
  - (c) The determination of mass fraction of organic hazardous air pollutant for each coating, thinner, and cleaning material identified in section (5)(a) of this condition. The permittee does not need to submit background data supporting this calculation (e.g., information provided by material suppliers or manufacturers, or test reports).
  - (d) A statement of the cause of each deviation.

The compliance report shall be submitted by January 31 for the preceding July 1 through December 31 semiannual

**SECTION D. Source Level Requirements**

reporting period and by July 31 for the preceding January 1 through June 30 semiannual reporting period.

**# 020 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall submit quarterly reports of the amount of nitrogen oxides (NO<sub>x</sub>, expressed as NO<sub>2</sub>), carbon monoxide, volatile organic compounds, particulate matter, PM-10 (particulate matter less than 10 micrometers in effective aerodynamic diameter) and hazardous air pollutants emitted from Source ID 203P for each month, along with the supporting calculations verifying compliance with the 12 consecutive month emission limitations. The reports shall include the monthly amounts of propane used in the ovens and shall verify compliance with the propane fuel usage limitation in any 12 consecutive month period.

The quarterly reports shall be submitted to the Department no later than March 1 (for January through December of the previous year), June 1 (for April of the previous year through March of the current year), September 1 (for July of the previous year through June of the current year) and December 1 (for October of the previous year through September of the current year).

**VI. WORK PRACTICE REQUIREMENTS.****# 021 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall keep on hand a sufficient quantity of spare fabric collector bags for Control Device ID C203D in order to be able to immediately replace any bags requiring replacement due to deterioration resulting from routine operation of Source ID 203P and Control Device ID C203D.

**# 022 [25 Pa. Code §129.52c]****Control of VOC emissions from flat wood paneling surface coating processes.**

The permittee shall comply with the following work practices for coating-related activities occurring in Source ID 203P:

- (1) Store all volatile organic compound-containing coatings, thinners and coating-related waste materials in closed containers.
- (2) Minimize spills of volatile organic compound-containing coatings, thinners and coating related waste materials and clean up spills immediately.
- (3) Convey volatile organic compound-containing coatings, thinners and coating-related waste materials from one location to another in closed containers or pipes.
- (4) Ensure that mixing and storage containers used for volatile organic compound-containing coatings, thinners and coating-related waste materials are kept closed at all times, except when depositing or removing these materials.

**# 023 [25 Pa. Code §129.52c]****Control of VOC emissions from flat wood paneling surface coating processes.**

The permittee shall comply with the following work practices for cleaning materials used in Source ID 203P:

- (1) Store all volatile organic compound-containing cleaning materials, waste cleaning materials and used shop towels in closed containers.
- (2) Minimize spills of volatile organic compound-containing cleaning materials and waste cleaning materials and clean up spills immediately.
- (3) Convey volatile organic compound-containing cleaning materials and waste cleaning materials from one location to another in closed containers or pipes.
- (4) Ensure that mixing vessels and storage containers used for volatile organic compound-containing cleaning materials and waste cleaning materials are kept closed at all times, except when depositing or removing these materials.
- (5) Minimize volatile organic compound emissions during cleaning of storage, mixing and conveying equipment.

**# 024 [25 Pa. Code §129.97]****Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule.**

The driving ovens incorporated in Source ID 203P shall be maintained and operated in accordance with the manufacturer's specifications and with good operating practices.

**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.****# 025 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code Sections 127.1 and 127.12]

The spray booth incorporated in Source ID 203P shall apply coatings with airless sprays.

Compliance with this permit condition also ensures compliance with 25 Pa. Code Section 129.52(c).

**# 026 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for the permit condition is derived from 25 Pa. Code Sections 127.201 through 127.218]

To satisfy the New Source Review requirement that the permittee be in possession of 46.92 tons of volatile organic compound emission reduction credits prior to the startup of Source ID 203P, 47.00 tons of volatile organic compounds emission reduction credits generated by International Paper-Erie, Erie, Erie County, on September 30, 2002, were transferred to the permittee on August 17, 2004. The respective emission reduction credits used to fulfill the volatile organic compound emission reduction credit requirements are consequently no longer available for use.

**# 027 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR 63.4681]

Source ID 203P is subject to Subpart QQQQ of the National Emission Standards for Hazardous Air Pollutants: Surface Coating of Wood Building Products. The permittee shall comply with all applicable requirements specified in 40 CFR Sections 63.4680 through 63.4781.

**# 028 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code Sections 127.1 and 127.12]

Source ID 203P is a "trim surface coating operation" comprised of the following:

- (1) curtain coater
- (2) spray booth #2
- (3) DRC coater
- (4) preheat IR oven manufactured by TEC with a rated heat input of 4.263 million Btu per hour
- (5) HVHA oven #1 manufactured by TEC with a rated heat input of 3.0 million Btu per hour
- (6) HVHA oven #2 manufactured by TEC with a rated heat input of 6.0 million Btu per hour
- (7) final IR oven manufactured by TEC with a rated heat input of 4.263 million Btu per hour

The particulate matter emissions from the spray booth listed in (2) above shall be controlled by an upflow cyclonic separator (Control Device ID C203C) followed by a BHA/Standard Havens model R-12-156-144 pulse-jet fabric collector (Control Device ID C203D). The air contaminant emissions from each HVHA oven listed in (5) and (6) above shall be controlled by Winnox model WX300 low-NOx burners.

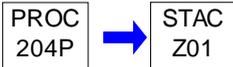
\*\*\* **Permit Shield in Effect.** \*\*\*

**SECTION D. Source Level Requirements**

Source ID: 204P

Source Name: SURFACE COATING MANUFACTURING OPERATION

Source Capacity/Throughput:

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The emission of volatile organic compounds from Source 204P shall not exceed 1.90 tons in any 12 consecutive month period.

**# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The emission of volatile hazardous air pollutants from Source 204P shall not exceed 47 pounds 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).

**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.****# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain accurate and comprehensive records of the following:

(1) Up-to-date "recipe" documentation of each and every surface coating produced in Source 204P. At a minimum, the documentation shall include the amount of each ingredient added to produce a batch of a particular surface coating and calculations which depict the following surface coating parameters based on the ingredient formulation:

- (a) VOC content (pounds VOC per gallon of coating solids)
- (b) Weight percent of VOCs (total volatiles minus water and minus exempt volatiles)
- (c) Weight percent of total volatiles
- (d) Weight percent of water
- (e) Weight percent of exempt volatiles
- (f) Density of surface coating (pounds per gallon @ 25°C)
- (g) Volume percent of solids

(2) The amount of each surface coating produced in Source 204P for each month.

(3) Calculations used to determine the monthly emission of volatile organic compounds and volatile hazardous air pollutants from Source 204P.

All records generated pursuant to this condition shall be retained for a minimum of five (5) years and shall be 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.**

**# 004 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

Only water shall be used to clean equipment incorporated in Source 204P.

**# 005 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

All volatile organic compound-containing and volatile hazardous air pollutant-containing materials and surface coatings shall be stored in closed containers.

**# 006 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

All volatile organic compound-containing and volatile hazardous air pollutant-containing materials and surface coatings shall be conveyed from one location to another in closed containers or pipes.

**# 007 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The dispensers and the mixing vessel incorporated in Source 204P shall be equipped with tightly fitting vent covers or lids that shall be closed at all times when the vessel contains volatile organic compounds and/or volatile hazardous air pollutants, except for material additions and sampling.

Compliance with this condition also ensures compliance with 40 CFR Part 60 Section 63.8005.

**# 008 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The storage tanks incorporated in Source 204P shall not contain volatile organic compound-containing materials with a vapor pressure greater than 1.5 psia (10.5 kilopascals) under actual storage conditions.

**VII. ADDITIONAL REQUIREMENTS.**

**# 009 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

Source 204P is subject to Subpart HHHHH of the National Emission Standards for Hazardous Air Pollutants: Miscellaneous Coating Manufacturing. The permittee shall comply with all applicable requirements specified in 40 CFR Sections 63.7980 through 63.8105.

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

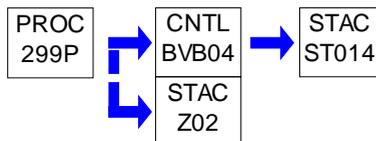
**SECTION D. Source Level Requirements**

Source ID: 299P

Source Name: WET FUEL HANDLING OPERATIONS

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 4

**I. RESTRICTIONS.****Emission Restriction(s).**

# 001 [25 Pa. Code §123.13]

**Processes**

The permittee shall not permit the emission of particulate matter from the exhaust of Control Device ID BVB04 into the outdoor atmosphere in a manner such that the concentration in the effluent gas exceeds 0.04 grains 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) 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.**

# 002 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall keep on hand a sufficient quantity of spare fabric collector bags for Control Device ID BVB04 in order to be able to immediately replace any bags requiring replacement due to deterioration resulting from routine operation of Source ID 299P and Control Device ID BVB04.

**VII. ADDITIONAL REQUIREMENTS.**

# 003 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

Source ID 299P is a "wet fuel storage and delivery operation" comprised of the following:

(1) two (2) 12' X 36' X 11' six inch inclined live bottom chain reclaimers by Phelps Industries

**SECTION D. Source Level Requirements**

- (2) a 36" X 46' belt conveyor
- (3) a self-cleaning Magnetic Technologies, Inc. electromagnet
- (4) a Rader Industries 25-6 disc sizing screen
- (5) a model 3464 BH West Salem Machinery Co. hamermill system
- (6) a 36" X 77' covered belt conveyor
- (7) two (2) enclosed screw conveyors
- (8) a Kone Wood Bark Press with infeed and outfeed screw conveyors
- (9) a 24" X 52' covered belt conveyor
- (10) a 23' cut flight, inclined, enclosed mixing screw conveyor

The particulate matter emissions from equipment listed in (4) through (6) and (9) above shall be controlled by an Amerex fabric collector (Control Device ID BVB04).

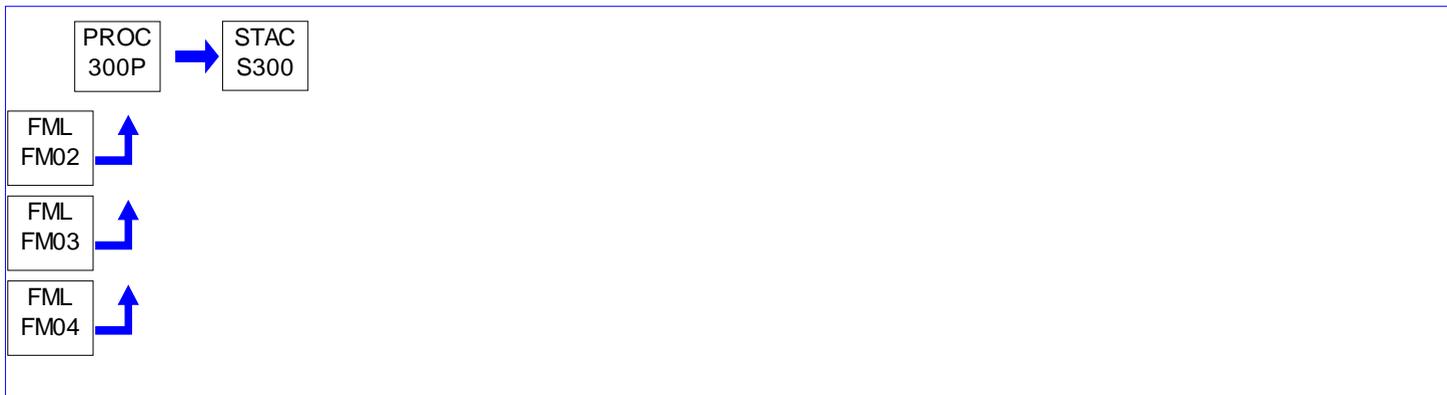
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: 300P

Source Name: EMERGENCY ENGINES

Source Capacity/Throughput:

**I. RESTRICTIONS.****Emission Restriction(s).**

# 001 [25 Pa. Code §123.13]

**Processes**

The permittee shall not permit the emission of particulate matter into the outdoor atmosphere from the emergency generators and pumps incorporated in Source ID 300P in a manner such that the concentration of particulate matter in the effluent gas exceeds 0.04 grains per dry standard cubic foot.

# 002 [25 Pa. Code §123.21]

**General**

The permittee shall not permit the emission of sulfur oxides, expressed as SO<sub>2</sub>, into the outdoor atmosphere from the emergency generators and pumps incorporated in Source ID 300P in a manner such that the concentration of the sulfur oxides in the effluent gas exceeds 500 parts per million, by volume, dry basis.

**Fuel Restriction(s).**

# 003 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall only fire natural gas or propane in the emergency generators incorporated in Source ID 300P and shall only fire diesel fuel in the fire and PWTP pumps incorporated Source ID 300P.

**Operation Hours Restriction(s).**

# 004 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall not operate any of the emergency generators or pumps incorporated in Source ID 300P in excess of 500 hours 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).

**III. MONITORING REQUIREMENTS.**

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

**SECTION D. Source Level Requirements****IV. RECORDKEEPING REQUIREMENTS.****# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain accurate and comprehensive records of the number of hours of operation of each emergency generator and pump incorporated in Source ID 300P to verify compliance with the 12 consecutive month operation limitations. All records generated pursuant to this condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

**V. REPORTING REQUIREMENTS.****# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall submit an annual report to the Department containing the hours of operation of each emergency generator and pump incorporated in Source ID 300P for the preceding 12 consecutive month period. The report will be due March 1 annually.

**VI. WORK PRACTICE REQUIREMENTS.****# 007 [25 Pa. Code §129.97]****Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule.**

The emergency generators and fire pumps incorporated in Source ID 300P shall be maintained and operated in accordance with the manufacturer's specifications and with good operating practices.

**VII. ADDITIONAL REQUIREMENTS.****# 008 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Source ID 300P is comprised of natural gas/propane-fired emergency generators and two diesel-fired pumps. See Appendix B attached to this permit for a complete list of engines, as well as their location at the facility.

**# 009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6585]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****Am I subject to this subpart?**

The emergency generators and pumps incorporated in Source ID 300P are subject to Subpart ZZZZ of the National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines. The permittee shall comply with all applicable requirements specified in 40 CFR Sections 63.6580 through 63.6675.

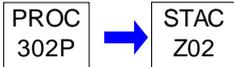
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: 302P

Source Name: BOILER ASH LANDFILL

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.****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Source ID 302P is a boiler ash landfill where ash generated by the combustion of wood from the facility's wood fired boilers is disposed.

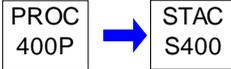
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: 400P

Source Name: STORAGE TANKS (&gt;2000 GAL)

Source Capacity/Throughput:

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §129.91]****Control of major sources of NOx and VOCs**

[Additional authority for this permit condition is also derived from 25 Pa. Code Sections 127.1 and 127.12]

The volatile organic compound emissions from the resin storage tanks incorporated in Source ID 400P shall not exceed 2.20 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).

**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 §127.441]****Operating permit terms and conditions.**

The permittee shall maintain accurate and comprehensive records showing the vapor pressure of the contents stored in each tank incorporated in Source ID 400P that contains an organic liquid unless the tank is equipped with a pressure/vacuum relief valve and maintained in accordance with 25 Pa. Code Section 129.57. All records generated pursuant to this condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

**# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain accurate and comprehensive records of the amount of volatile organic compounds emitted from Source ID 400P each month, including the supporting calculations; the records shall also show compliance with the volatile organic compound emission limitation for any 12 consecutive month period. All records generated pursuant to this condition shall be retained 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).

**VI. WORK PRACTICE REQUIREMENTS.****# 004 [25 Pa. Code §129.97]****Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule.**

The storage tanks incorporated in Source ID 400P shall be maintained and operated in accordance with the manufacturer's specifications and with good operating practices.

**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.****# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Source ID 400P is comprised of storage tanks containing organics used throughout the facility that have a storage capacity of greater than 2,000 gallons. See Appendix C attached to this permit for a complete list of storage tanks.

**# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

All storage tanks incorporated in Source ID 400P that are not equipped with a pressure/vacuum relief valves shall not store any volatile organic compound containing materials with a vapor pressure of greater than 1.5 psia.

**# 007 [25 Pa. Code §129.91]****Control of major sources of NOx and VOCs**

[Additional authority for this permit condition is also derived from 25 Pa. Code Sections 127.1 and 127.12]

The resin storage tanks incorporated in Source ID 400P shall be equipped with pressure/vacuum relief valves.

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

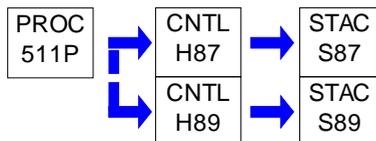
**SECTION D. Source Level Requirements**

Source ID: 511P

Source Name: SECONDARY SANDERS &amp; BRUSH MACHINE

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 4

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.13]****Processes**

The permittee shall not permit the emission of particulate matter from the exhaust of Control Device ID H87 into the outdoor atmosphere in a manner such that the concentration in the effluent gas exceeds 0.04 grains per dry standard cubic foot.

**# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from the plan approval exemption granted August 19, 2004]

The permittee shall not permit the emission of particulate matter from the exhaust of Control Device ID H89 into the outdoor atmosphere in a manner such that the concentration in the effluent gas exceeds 0.01 grains per dry standard cubic foot.

Compliance with this permit condition also ensures compliance with 25 Pa. Code Section 123.13.

**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 §127.441]****Operating permit terms and conditions.**

The permittee shall maintain accurate and comprehensive records of supporting calculations used to verify compliance with the particulate matter emission limitation for the exhaust of Control Device ID H87 associated with Source ID 511P. All records generated pursuant to this condition shall be retained 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).

**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.**

**# 004 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

Source ID 511P is comprised of the following:

- (1) secondary sanding operations
- (2) two-side trimboard sander
- (3) brush machine (part of the first pass trim surface coating operation (Source ID 203P))

The particulate matter emissions from the sander head tops of equipment listed in (1) and (2) above shall be controlled by a BHA fabric collector (Control Device ID H87). The particulate matter emissions from the bottom sanding heads of equipment listed in (b) above and the brush machine listed in (c) above shall be controlled by a cyclonic pre-cleaner section and BHA/Standard Havens model C17-306-144 fabric collector (Control Device ID H89), as described in the RFD request dated July 11, 2002 and modification application dated January 26, 2005.

**# 005 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The brush machine identified herein shall be operated as specified in the request letter dated July 29, 2004.

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

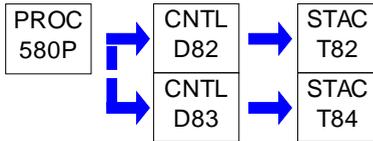
**SECTION D. Source Level Requirements**

Source ID: 580P

Source Name: WOODWORKING (COATING 1 &amp; LAP SIDE LINES)

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 4

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.13]****Processes**

The permittee shall not permit the emission of particulate matter into the outdoor atmosphere from Source ID 580P in a manner such that the concentration of particulate matter in the effluent gas exceeds 0.04 grains 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) 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 §127.441]****Operating permit terms and conditions.**

The permittee shall maintain accurate and comprehensive records of supporting calculations used to verify compliance with the particulate matter emission limitations for Source ID 580P. All records generated pursuant to this condition shall be retained 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.**

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 §127.441]****Operating permit terms and conditions.**

Source ID 580P are the "Line 1 coating" and "lap siding line" woodworking operations comprised of the following:

- (1) Line 1 coating woodworking operation
  - (a) a first pass saw

**SECTION D. Source Level Requirements**

- (b) a second pass saw
- (c) a cutback
- (d) a vacuum board feeder
- (e) a backsander
- (f) a stacker system with vacuum pickup fan and exhaust

- (2) Lap siding line woodworking operation
  - (a) two (2) A-1 Tooling Machines
  - (b) a brush machine
  - (c) a Globe saw.

The particulate matter emissions the Line 1 coating woodworking operation shall be controlled by one of three fabric collectors (Control Device ID D83) identified as fabric collectors B-1.35.02, B-1.35-30 and B-1.35-15. Fabric collector B-1.35.02 shall control the particulate matter emissions from the vacuum board feeder identified in (1)(d) above, fabric collector B-1.35-30 shall control the particulate matter emissions from the backsander identified in (1)(e) above and fabric collector B-1.35-15 shall control the particulate matter emissions from the three saws and hog identified in (1)(a), (1)(b) and (1)(c) above. The particulate matter emissions from the lap siding line woodworking operation identified in (2)(a), (2)(b) and (2)(c) above shall be controlled by a BHA fabric collector (Control Device ID D82).

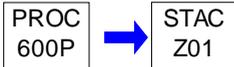
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: 600P

Source Name: PROCESS WATER TREATMENT FACILITY &amp; SPRAY IRRIGATION FIELD

Source Capacity/Throughput:

**I. RESTRICTIONS.****Emission Restriction(s).**

# 001 [25 Pa. Code §129.99]

**Alternative RACT proposal and petition for alternative compliance schedule.**

[Additional authority for this permit condition is derived from 25 Pa. Code Section 129.91]

The volatile organic compound emissions from Source ID 600P shall not exceed 6.80 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).

**III. MONITORING REQUIREMENTS.**

# 002 [25 Pa. Code §129.99]

**Alternative RACT proposal and petition for alternative compliance schedule.**

[Additional authority for this permit condition is derived from 25 Pa. Code Section 129.91]

The permittee shall accurately measure the DOUR once each weekday (Monday through Friday). Measurement of the DOUR shall be performed immediately after taking the sample from the aeration basin to minimize temperature change in the sample.

**IV. RECORDKEEPING REQUIREMENTS.**

# 003 [25 Pa. Code §129.99]

**Alternative RACT proposal and petition for alternative compliance schedule.**

The permittee shall maintain accurate and comprehensive records of the volatile organic compounds emitted each month from Source ID 600P and the aeration basin DOUR measured each operating day, as well as the dates and times of DOUR sampling and analysis. All records generated pursuant to this condition shall be retained 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).

**VI. WORK PRACTICE REQUIREMENTS.**

# 004 [25 Pa. Code §129.99]

**Alternative RACT proposal and petition for alternative compliance schedule.**

[Additional authority for this permit condition is derived from 25 Pa. Code Section 129.91]

The dissolved oxygen uptake rate (DOUR) in the aeration basin shall be maintained at a minimum of 3.0 mg/L-hr.

**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.****# 005 [25 Pa. Code §129.99]****Alternative RACT proposal and petition for alternative compliance schedule.**

Source ID 600P is a process water treatment plant (PWPT) which also includes a spray irrigation field and screw press venting.

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

**SECTION E. Source Group Restrictions.**

Group Name: 1

Group Description: boilers

**Sources included in this group**

ID	Name
033	B & W BOILER (BOILER 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.**

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.****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The storage and handling of the ash generated by the operation of Source ID 033 shall not at any time result in the emission of fugitive air contaminants in excess of the limitations specified in 25 Pa. Code Section 123.1.

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

**SECTION E. Source Group Restrictions.**

Group Name: 10

Group Description: 142P &amp; 172P emission limit

Sources included in this group

ID	Name
142P	LINE 2 REFINERS AND 1ST STAGE DRYERS
172P	LINE 2 PRESS

**I. RESTRICTIONS.****Emission Restriction(s).**

# 001 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1, 127.12 and 127.211, as well as the emission reduction provisions of 25 Pa. Code Section 127.207]

- (1) The total volatile organic compound emissions from the Line 2 Press (hood emissions) associated with the chevron mist eliminator (Control Device ID C172D) shall not exceed 28.60 tons (total molecular weight) in any 12 consecutive month period.
- (2) The total combined volatile organic compound emissions from the Line 2 Press (cavity steam emissions) and the Line 2 pressurized refiners and first stage dryers incorporated in Source ID 142P and Control Device ID C142 shall not exceed 8.80 tons (total molecular weight) in any 12 consecutive month period.
- (3) If stack testing is performed to verify compliance with the total volatile organic compound emission limitations, the permittee may elect to perform EPA Method 25A (or other Department approved test method) in lieu of EPA OTM-26 (or other Department approved test method) and utilize the following conversion factors:
  - (a) The conversion factor for Line 2 Press (hood emissions) associated with the chevron mist eliminator (Control Device ID C172D) from M25A to OTM-26 is 2.089 (pounds OTM-26 volatile organic compounds)/(pounds M25A volatile organic compounds).
  - (b) The conversion factor for Line 2 Press (cavity steam emissions) and the Line 2 pressurized refiners and first stage dryers incorporated in Source ID 142P and Control Device ID C142 from M25A to OTM-26 is 1.625 (pounds OTM-26 volatile organic compounds)/(pounds M25A volatile organic compounds).
- (4) If at any point in time the Department has reason to believe that the conversion factor is no longer is valid, the Department reserves the right to require total volatile organic compound testing.

**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).

**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).

**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: 3

Group Description: plywood MACT sources

Sources included in this group

ID	Name
141P	LINE 1 REFINERS AND 1ST STAGE DRYERS
142P	LINE 2 REFINERS AND 1ST STAGE DRYERS
161P	2ND STAGE DRYERS/LINE 1 FELTER OPS
162P	2ND STAGE DRYERS/LINE 2 FELTER OPS
171P	LINE 1 PRESS
172P	LINE 2 PRESS
184P	DIE FORM PRESS
191P	LINE 1 TEMPERING
193P	DIE FORM TEMPERING

**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 63.2269]****Subpart DDDD - National Emission Standards for Hazardous Air Pollutants: Plywood and Composite Wood Products  
What are my monitoring installation, operation, and maintenance requirements?**

The permittee shall comply with applicable installation, accuracy, inspection, maintenance, calibration and recordkeeping requirements specified in 40 CFR Section 63.2269. Each continuous parameter monitoring system (CPMS) shall be capable of completing a minimum of one cycle of operation (sampling, analyzing, and recording) for each successive 15-minute period.

**# 002 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.2270]****Subpart DDDD - National Emission Standards for Hazardous Air Pollutants: Plywood and Composite Wood Products  
How do I monitor and collect data to demonstrate continuous compliance?**

The permittee shall determine the 3-hour block average of all recorded readings required for sources and associated control devices subject to Subpart DDDD of the National Emission Standards for Hazardous Air Pollutants: Plywood and Composite Wood Products, 40 CFR Sections 63.2230 through 63.2292, calculated after every 3 hours of operation as the average of the evenly spaced recorded readings in the previous 3 operating hours (excluding periods described in 40 CFR 63.2270(b & c)).

**V. REPORTING REQUIREMENTS.****# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The submission of all requests, reports, application submittals and other communications required by Subpart DDDD of the National Emission Standards for Hazardous Air Pollutants: Plywood and Composite Wood Products, 40 CFR Sections 63.2230 through 63.2292, must be made to both the U.S. Environmental Protection Agency and the Department. The copies may be sent to:

Associate Director

Office of Air Enforcement and Compliance Assistance (3AP2O)

**SECTION E. Source Group Restrictions.**

U.S. EPA, Region III  
1650 Arch Street  
Philadelphia, PA 19107

And

Pennsylvania Department of Environmental Protection  
Air Quality Program Manager  
208 W. Third Street, Suite 101  
Williamsport, PA 17701-6448

**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.****# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR Section 63.2250]

(1) The permittee shall be in compliance with the compliance options, operating requirements and work practice requirements specified by Subpart DDDD of the National Emission Standards for Hazardous Air Pollutants: Plywood and Composite Wood Products, 40 CFR Sections 63.2230 through 63.2292 for Source ID 141P, Source ID 142P, Source ID 161P, Source ID 162P, Source ID 171P, Source ID 172P, Source ID 184P, Source ID 191P and Source ID 193P at all times, except during periods of process unit or control device startup, shutdown and malfunction. The compliance options, operating requirements and work practice requirements do not apply during times when the process unit(s) subject to the compliance options operating requirements and work practice requirements are not operating, or during periods of startup, shutdown, and malfunction. Startup and shutdown periods must not exceed the minimum amount of time necessary for these events.

(2) The permittee shall always operate and maintain Source ID 141P, Source ID 142P, Source ID 161P, Source ID 162P, Source ID 171P, Source ID 172P, Source ID 184P, Source ID 191P and Source ID 193P including air pollution control and monitoring equipment, according to the provisions in 40 CFR Section 63.6(e)(1)(i).

(3) The permittee shall develop a written Startup, Shutdown and Malfunction Plan according to the provisions in 40 CFR Section 63.6(e)(3).

**# 005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.2231]****Subpart DDDD - National Emission Standards for Hazardous Air Pollutants: Plywood and Composite Wood Products  
Does this subpart apply to me?**

Source IDs 141P, 142P, 161P, 162P, 171P, 172P, 184P, 191P, 193P and 202P are subject to Subpart DDDD of the National Emission Standards for Hazardous Air Pollutants: Plywood and Composite Wood Products. The permittee shall comply with all applicable requirements specified in 40 CFR Sections 63.2230 through 63.2292.

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

**SECTION E. Source Group Restrictions.**

Group Name: 3.A

Group Description: plywood MACT scrubbers

**Sources included in this group**

ID	Name
161P	2ND STAGE DRYERS/LINE 1 FELTER OPS
162P	2ND STAGE DRYERS/LINE 2 FELTER OPS
171P	LINE 1 PRESS
172P	LINE 2 PRESS
184P	DIE FORM PRESS

**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.****# 001 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.2270]****Subpart DDDD - National Emission Standards for Hazardous Air Pollutants: Plywood and Composite Wood Products  
How do I monitor and collect data to demonstrate continuous compliance?**

The MACT identified sources and associated scrubbers (Control Device IDs D42, D43, E41, E43, C171A, C171B, C171C, C172A, E61, E62, H88) shall be equipped with differential pressure monitors (except for the C171A, C171B, C172A, E61) and scrubber water flow rate monitors that shall accurately and continuously measure the pressure drops across the scrubbers and the water flow rates through the scrubbers. Additionally, the following systems [Source IDs 171P - Line 1 Press control system (Control Device IDs C171A, C171B, C171C), Source ID 172P - Line 2 Press control system (Control Device IDs C172A, E61, E62), Source ID 184P - Dieform press control system (Control Device ID H88)] shall be equipped with water flow rate monitors that shall accurately and continuously measure the blowdown water flow rates for the scrubbers.

The 3-hour block average pressure drops and 3-hour block average scrubber water flow rates shall not be less than the following amounts:

D42: 5.1 in.w.g. (when both dryer units are operating), 168 GPM  
 D43: 5.1 in.w.g. (when both dryer units are operating), 165 GPM  
 E41: 3.1 in.w.g., 199 GPM  
 E43: 3.1 in.w.g., 201 GPM  
 C171A: 329 GPM  
 C171B: 429 GPM  
 C171C: 43.9 in.w.g., 1113 GPM  
 C172A: 478 GPM  
 E61: 463 GPM  
 E62: 39.9 in.w.g., 1567 GPM  
 H88: 40.1 in.w.g., 501 GPM

The 3-hour block average control system blowdown water flow rates shall not be less than the following amounts:

171P (C171A, C171B, C171C): 101 GPM  
 172P (C172A, E61, E62): 101 GPM  
 184P (H88): 49 GPM

**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).

**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).

**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: 3.B

Group Description: plywood MACT fan amps

Sources included in this group

ID	Name
171P	LINE 1 PRESS
172P	LINE 2 PRESS
184P	DIE FORM PRESS

**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.**

**# 001 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.2270]**

**Subpart DDDD - National Emission Standards for Hazardous Air Pollutants: Plywood and Composite Wood Products**  
**How do I monitor and collect data to demonstrate continuous compliance?**

The following MACT identified sources (Source IDs 171P, 172P, & 184P) and associated scrubbers shall be equipped with monitors that shall accurately and continuously measure the fan motor amps. The 3-hour block average fan amperage for the following press scrubbers shall not be less than the following amounts:

171P: 231 Amps  
 172P: 228 Amps  
 184P: 78 Amps

**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: 3.C

Group Description: plywood MACT RTOs

Sources included in this group

ID	Name
141P	LINE 1 REFINERS AND 1ST STAGE DRYERS
142P	LINE 2 REFINERS AND 1ST STAGE DRYERS
191P	LINE 1 TEMPERING
193P	DIE FORM TEMPERING

**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.****# 001 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.2270]****Subpart DDDD - National Emission Standards for Hazardous Air Pollutants: Plywood and Composite Wood Products  
How do I monitor and collect data to demonstrate continuous compliance?**

The MACT identified sources and associated RTOs (Control Device IDs C141, C142, RTO01, C193) shall be equipped with a temperature monitoring device that shall accurately measure and continuously monitor the RTO's combustion chamber temperature.

The permittee shall comply with the requirements specified in 40 CFR Section 63.2269(b) related to the temperature monitoring.

The 3-hour block average RTO combustion temperature shall not be less than the following amounts (as established during stack testing):

C141: 1559 F  
 C142: 1550 F  
 RTO01: 1450 F  
 C193: 1598 F

**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: 4

Group Description: CAM Sources with Fabric Collectors

Sources included in this group

ID	Name
110P	SECONDARY SAWS & HOG
113P	DIEFORM TRIM & EDGE SAWS
155P	PNEUMATIC CONVEYING SYSTEM
164P	DIEFORM FIBER BLENDING
187P	DIE FORM COATING
188P	COATING LINE 1
194P	COATED FUEL SILO
195P	DRY FUEL METERING BIN
196P	AIR DENSITY SEPERATOR & SILO
198P	BOILER STOKER FEED SYSTEM
199P	STOKER OVERFEED PNEUMATIC SYSTEM
200P	WOODYARD
203P	TRIM SURFACE COATING OPERATION
299P	WET FUEL HANDLING OPERATIONS
511P	SECONDARY SANDERS & BRUSH MACHINE
580P	WOODWORKING (COATING 1 & LAP SIDE LINES)

**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.****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from the compliance assurance monitoring (CAM) requirements of 40 CFR Section 64.6]

The differential pressure monitor for each CAM identified fabric collector and panel filter (Control Device IDs C110A, C110B, C110C, D84, N62, C164C, C05, C03, C04, C190B, C190C, BVB01, BVB02, BVB03, BVB05, BVB06, C200, C200C, C203D, BVB04, H87, H89, D83 (B-1.35-15) and D82) shall be calibrated according to the manufacture's specifications. The Rosemount and Siemens manufacture brand pressure monitors shall be calibrated at least every three years. All other pressure monitors shall be calibrated at least annually. Each pressure monitor shall be accurate to within 1% of the monitor's span or 0.1" w.c., whichever is less.

In accordance with the CAM Technical Guidance Document (rev. 8/98, section 4.3.3.5.1 on pg. 4-49), the accuracy should be charted and the monitor's drift calculated, recorded, and monitored. If the drift is near or beyond the limit of accuracy (80% of acceptable error), the calibration period shall be adjusted, and the procedure set forth in the CAM Technical Guidance Document should be implemented to ensure a proper calibration period.

**# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12, as well as the compliance assurance monitoring (CAM) requirements of 40 CFR Section 64.6]

The CAM identified fabric collectors and panel filters (Control Device IDs C110A, C110B, C110C, D84, N62, C164C, C05,

**SECTION E. Source Group Restrictions.**

C03, C04, C190B, C190C, BVB01, BVB02, BVB03, BVB05, BVB06, C200, C200C, C203D, BVB04, H87, H89, D83 (B-1.35-15) and D82) shall be equipped with differential pressure monitors that shall accurately and continuously measure the pressure drops across the fabric collectors and the panel filters.

Any parameter reading outside the allowable CAM range is defined as an excursion.

The pressure drops shall be within the following ranges:

Control Device C110A: 0.5 to 5.0 in. w.c.  
 Control Device C110B: 0.5 to 5.0 in. w.c.  
 Control Device C110C: 1 to 5.0 in. w.c.  
 Control Device D84: 1.5 to 4.5 in. w.c.  
 Control Device N62: 0.1 to 4.0 in. w.c.  
 Control Device C164C: 0.3 to 4.0 in. w.c.  
 Control Device C05: 0.2 to 6.0 in. w.c.  
 Control Device C03: 0.6 to 6.0 in. w.c.  
 Control Device C04: 0.6 to 6.0 in. w.c.  
 Control Device C190B: 0.8 to 5.0 in. w.c.  
 Control Device C190C:  $\leq$  0.5 in. w.c.  
 Control Device BVB01: 0.1 to 5.0 in. w.c.  
 Control Device BVB02: 0.1 to 5.0 in. w.c.  
 Control Device BVB03: 0.2 to 10.0 in. w.c.  
 Control Device BVB05: 0.1 to 5.0 in. w.c.  
 Control Device BVB06: 0.1 to 5.0 in. w.c.  
 Control Device C200: 1.0 to 4.0 in. w.c.  
 Control Device C200C: 1.0 to 3.0 in. w.c.  
 Control Device C203D: 0.9 to 4.0 in. w.c.  
 Control Device BVB04: 0.5 to 5.0 in. w.c.  
 Control Device H87: 0.3 to 5.0 in. w.c.  
 Control Device H89: 0.3 to 5.0 in. w.c.  
 Control Device D83 (B-1.35-15): 1.0 to 7.0 in. w.c.  
 Control Device D82: 0.5 to 8.0 in. w.c.

**# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from the compliance assurance monitoring (CAM) requirements of 40 CFR Section 64.6]

The permittee shall perform EPA Method 22-like visible emission checks on the exhaust of each CAM identified fabric collector, cyclone and panel filter (Control Device IDs C110A, C110B, C110C, D84, N62, C164C, C05, C03, C04, C190B, C190C, BVB01, BVB02, BVB03, BVB05, BVB06, C200, C200C, C200D, C203D, BVB04, H87, H89, D83 (B-1.35-15) and D82) at least once each operating day. No emissions shall be visible from any of the exhausts.

Any parameter reading outside the allowable CAM range is defined as an excursion.

**# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from the compliance assurance monitoring (CAM) requirements of 40 CFR Section 64.6]

The permittee shall conduct the monitoring and fulfill the other obligations (i.e., proper monitor maintenance, corrective action, etc.) specified in 40 CFR Section 64.7.

**IV. RECORDKEEPING REQUIREMENTS.****# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from the compliance assurance monitoring (CAM) requirements of 40 CFR Sections 64.6 and 64.9]

**SECTION E. Source Group Restrictions.**

The permittee shall maintain accurate and comprehensive records of the pressure drops across the CAM identified fabric collectors and panel filters (Control Device IDs C110A, C110B, C110C, D84, N62, C164C, C05, C03, C04, C190B, C190C, BVB01, BVB02, BVB03, BVB05, BVB06, C200, C200C, C203D, BVB04, H87, H89, D83 (B-1.35-15) and D82) at least once each operating shift and shall keep records of the visible emission checks from the fabric collector, cyclone and panel filter exhausts. In addition, the permittee shall keep records of monitor performance data (calibrations, monitor accuracy, monitor malfunctions, etc.) and corrective actions taken in the event of an excursion from the required pressure drop ranges or if visible emissions are detected. All records generated pursuant to this condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

**V. REPORTING REQUIREMENTS.****# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from the compliance assurance monitoring (CAM) requirements of 40 CFR Sections 64.6 and 64.9]

The permittee shall submit semiannual reports of the following:

- (1) Summary information on the number, duration and cause (including unknown cause, if applicable) of CAM excursions (any parameter reading outside the allowable range) and the corrective actions taken; and
- (2) Summary information on the number, duration and cause (including unknown cause, if applicable) for CAM monitor downtime incidents (other than downtime associated with zero and span or other calibration checks, if applicable).

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

**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.****# 007 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from the compliance assurance monitoring (CAM) requirements of 40 CFR Part 64 Section 64.8]

The permittee shall develop, implement, and submit to the Department a quality improvement plan (QIP) as expeditiously as practicable if any of the following occurs:

- (1) For properly and accurately collected data, accumulated excursions exceed 5% duration of the operational time in the reporting period,
- (2) six (6) excursions occur in a six-month reporting period, or
- (3) the Department determines after review of all reported information that the permittee has not responded acceptably to an excursion.

The permittee shall follow the provisions of 40 CFR Section 64.8 when developing a QIP.

**# 008 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Source IDs 110P, 113P, 155P, 164P, 187P, 188P, 190P, 194P, 195P, 196P, 198P, 199P, 200P, 203P, 299P, 511P and 580P (Line 1 coating woodworking operation (3 saws and hog)) are subject to the compliance assurance monitoring (CAM) requirements of 40 CFR Part 64. The permittee shall comply with all applicable requirements of 40 CFR Sections 64.1 through 64.10.

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

**SECTION E. Source Group Restrictions.**

Group Name: 5

Group Description: CAM Sources Using Scrubbers

Sources included in this group

ID	Name
141P	LINE 1 REFINERS AND 1ST STAGE DRYERS
142P	LINE 2 REFINERS AND 1ST STAGE DRYERS
161P	2ND STAGE DRYERS/LINE 1 FELTER OPS
162P	2ND STAGE DRYERS/LINE 2 FELTER OPS
163P	DIEFORM FELTER OPS
171P	LINE 1 PRESS
172P	LINE 2 PRESS
181P	LINE 1 PRE-TRIM SAWS
182P	LINE 2 PRE-TRIM SAWS

**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.****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12, as well as the compliance assurance monitoring (CAM) requirements of 40 CFR Section 64.6]

The CAM identified scrubbers (Control Device IDs D10, E10, D41, D42, D43, E41, E42, E43, K12, C171A, C171B, C171C, C172A, E61, E62, D81) shall be equipped with differential pressure monitors (except for the line I and line II quench scrubbers and tray scrubbers - Control Device IDs C171A, C171B, C172A and E61) and scrubber water flow rate monitors that shall accurately and continuously measure the pressure drops across the scrubbers and the water flow rates through the scrubbers.

Any parameter reading outside the allowable CAM (compliance assurance monitoring) range is defined as an excursion.

The pressure drops and scrubber water flow rates shall not be less than the following amounts:

D10: 4.0 in. w.c. (when entire drying line is operating), 140 gpm

E10: 2.0 in. w.c. (when entire drying line is operating), 160 gpm

D41: 4.0 in. w.c. (when entire drying line is operating), 100 gpm

D42: 2.5 in. w.c. (when both dryer units are operating), 100 gpm

D43: 2.5 in. w.c. (when both dryer units are operating), 100 gpm

E41: 2.5 in. w.c., 190 gpm

E42: 2.0 in. w.c., 190 gpm (when entire drying line is operating)

E43: 2.5 in. w.c., 190 gpm

K12: 5.0 in. w.c., 270 gpm

C171A: 300 gpm

C171B: 400 gpm

C171C: 44 in. w.c., 1020 gpm

C172A: 375 gpm

E61: 437 gpm

E62: 40 in. w.c., 1562 gpm

D81: 5.0 in. w.c. (when both production lines are operating), 150 gpm

**SECTION E. Source Group Restrictions.****# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from the compliance assurance monitoring (CAM) requirements of 40 CFR Section 64.6]

The permittee shall conduct the monitoring and fulfill the other obligations (i.e., proper monitor maintenance, corrective action, etc.) specified in 40 CFR Section 64.7.

**# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from the compliance assurance monitoring (CAM) requirements of 40 CFR Section 64.6]

The differential pressure monitor for each scrubber shall be calibrated at least every three years in accordance with the manufacturer's specifications. Each pressure monitor shall be accurate to within 1% of the monitor's span.

The water flow rate monitors for each scrubber (including the line I press and the line II press scrubber systems blowdown rate monitors) shall be "checked for accuracy". The flow rate monitors shall be electronically checked at least every three years in accordance with the manufacturer's specifications (as described in the significant modification application dated March 9, 2010). Each water flow rate monitor shall be accurate to within 1% of the monitor's span.

In accordance with the CAM Technical Guidance Document (rev. 8/98, section 4.3.3.5.1 on pg. 4-49 and section 4.4, the Frequency of Calibration portions), the accuracy should be charted and the monitor's drift calculated, recorded, and monitored. If the drift is near or beyond the limit of accuracy (80% of acceptable error), the calibration period shall be adjusted, and the procedure set forth in the CAM Technical Guidance Document should be implemented to ensure a proper calibration period.

**IV. RECORDKEEPING REQUIREMENTS.****# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from the compliance assurance monitoring (CAM) requirements of 40 CFR Sections 64.6 and 64.9]

The permittee shall keep records of the pressure drops across the CAM identified scrubbers (Control Device IDs D10, E10, D41, D42, D43, E41, E42, E43, K12, C171A, C171B, C171C, C172A, E61, E62, D81) and the water flow rates through the scrubbers at least once each operating shift, and shall keep records of the line I press and line II press scrubber systems (Control Device IDs C171A, C171B, C171C, C172A, E61, E62) final blowdown rates and the line II press steam condenser water temperature at least once each operating shift. The permittee shall also keep records of the visible emission checks from the applicable scrubber exhausts. In addition, the permittee shall keep records of monitor performance data (calibrations, monitor accuracy, monitor malfunctions, etc.) and corrective actions taken in the event of an excursion from the required indicator amounts, or if visible emissions are detected.

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

**V. REPORTING REQUIREMENTS.****# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from the compliance assurance monitoring (CAM) requirements of 40 CFR Sections 64.6 and 64.9]

The permittee shall submit semiannual reports of the following:

- (1) Summary information on the number, duration and cause (including unknown cause, if applicable) of CAM excursions (any parameter reading outside the allowable range) and the corrective actions taken; and
- (2) summary information on the number, duration and cause (including unknown cause, if applicable) for CAM monitor downtime incidents (other than downtime associated with zero and span or other calibration checks, if applicable).

**SECTION E. Source Group Restrictions.**

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

**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.****# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from the compliance assurance monitoring (CAM) requirements of 40 CFR Part 64 Section 64.8]

The permittee shall develop, implement, and submit to the Department a quality improvement plan (QIP) as expeditiously as practicable if any of the following occurs:

- (1) For properly and accurately collected data, accumulated excursions exceed 5% duration of the operational time in the reporting period,
- (2) six (6) excursions occur in a six-month reporting period, or
- (3) the Department determines after review of all reported information that the permittee has not responded acceptably to an excursion.

The permittee shall follow the provisions of 40 CFR Section 64.8 when developing a QIP.

**# 007 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Source IDs 141P, 142P, 161P, 162P, 163P, 171P, 172P, 181P and 182P are subject to the compliance assurance monitoring (CAM) requirements of 40 CFR Part 64. The permittee shall comply with all applicable requirements of 40 CFR Sections 64.1 through 64.10.

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

**SECTION E. Source Group Restrictions.**

Group Name: 7

Group Description: CAM Sources Using PM Scrubbers

Sources included in this group

ID	Name
141P	LINE 1 REFINERS AND 1ST STAGE DRYERS
142P	LINE 2 REFINERS AND 1ST STAGE DRYERS
161P	2ND STAGE DRYERS/LINE 1 FELTER OPS
162P	2ND STAGE DRYERS/LINE 2 FELTER OPS
163P	DIEFORM FELTER OPS
181P	LINE 1 PRE-TRIM SAWS
182P	LINE 2 PRE-TRIM SAWS

**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.****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from the compliance assurance monitoring (CAM) requirements of 40 CFR Section 64.6]

The permittee shall perform EPA Method 22-like visible emission checks on the exhaust of each particulate matter CAM identified scrubber (Control Device IDs D10, E10, D41, D42, D43, E41, E42, E43, K12, D81) at least once each operating day. No emissions shall be visible from any of the exhausts.

Any parameter reading outside the allowable CAM (compliance assurance monitoring) range is defined as an excursion.

**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: 9

Group Description: 031, 032, 033, 141P, 161P combustion

Sources included in this group

ID	Name
031	UNION IRON WORKS (BOILER 1)
033	B & W BOILER (BOILER 3)
141P	LINE 1 REFINERS AND 1ST STAGE DRYERS
161P	2ND STAGE DRYERS/LINE 1 FELTER OPS

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

The total combined air contaminant emissions from Source ID 031, Source ID 033, Source ID 141P (combustion only) and Source ID 161P (combustion only), not including the air contaminant emissions from Control Device ID C141, shall not exceed the following emission rates:

- (1) nitrogen oxides (NO<sub>x</sub>, expressed as NO<sub>2</sub>) - 201.70 tons in any 12 consecutive month period.
- (2) carbon monoxide - 352.70 tons in any 12 consecutive month period.
- (3) volatile organic compounds - 35.30 tons in any 12 consecutive month period.
- (4) particulate matter - 66.70 tons in any 12 consecutive month period.
- (5) sulfur dioxide (SO<sub>x</sub>, expressed as SO<sub>2</sub>) - 56.90 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).

**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 §127.441]****Operating permit terms and conditions.**

The permittee shall maintain accurate and comprehensive records of the amount of nitrogen oxides (NO<sub>x</sub>, expressed as NO<sub>2</sub>), carbon monoxide, volatile organic compounds, particulate matter and sulfur oxides (SO<sub>x</sub>, expressed as SO<sub>2</sub>) emitted each month from Source ID 031, Source ID 033, Source ID 141P (combustion only) and Source ID 161P (combustion only) and the amount of HCl, mercury and PM<sub>10</sub> emitted each month from Source ID 033 along with the supporting calculations. The monthly HCl and mercury emissions shall be based on fuel analysis. In addition, the reports shall be submitted in such a way that the previous 12 consecutive months of the above emissions is shown verifying compliance with the 12 consecutive month emission limitations. All records generated pursuant to this condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

**V. REPORTING REQUIREMENTS.****# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall submit quarterly reports of the monthly amount of nitrogen oxides (NO<sub>x</sub>, expressed as NO<sub>2</sub>), carbon monoxide, volatile organic compounds, particulate matter and sulfur oxides (SO<sub>x</sub>, expressed as SO<sub>2</sub>) emitted from Source ID 031, Source ID 033, Source ID 141P (combustion only) and Source ID 161P (combustion only) and the monthly amount of HCl, mercury and PM<sub>10</sub> emitted from Source ID 033 along with the supporting calculations. The monthly HCl and mercury emissions shall be based on fuel analysis. In addition, the reports shall be submitted in such a way that the

**SECTION E. Source Group Restrictions.**

previous 12 consecutive months of the above emissions is shown verifying compliance with the 12 consecutive month emission limitations.

The quarterly reports shall be submitted to the Department on March 1 (from January through December of the previous year), June 1 (from April of the previous year through March of the current year), September 1 (from July of the previous year through June of the current year) and December 1 (from October of the previous year through September of the current year).

**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: PA C WOOD HANDLING

Group Description: wood fuel handling system for boiler 033

Sources included in this group

ID	Name
155P	PNEUMATIC CONVEYING SYSTEM
194P	COATED FUEL SILO
195P	DRY FUEL METERING BIN

**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.****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall install and maintain instrumentation to continuously and accurately measure the pressure drop across each of the three fabric collectors of the dry fuel handling equipment (dry wood silo baghouse (Control Device ID N62), coated fuel silo fabric collector (Control Device ID BVB01) and the dry fuel metering bin fabric collector (Control Device ID BVB02)) to assure proper operation of each fabric collector and to determine the need for filter replacement. The pressure drops shall be recorded at least once each week along with any corrective actions taken if any pressure drop is outside the fabric collector's design pressure drop range. All records generated pursuant to the condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

**IV. RECORDKEEPING REQUIREMENTS.****# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR Section 52.21(r)(6)(iii) and (v)]

The permittee shall keep records of the annual emissions, in tons per year on a calendar year basis, of particulate matter and PM10 from the dry wood silo incorporated in Source ID 155, the coated fuel silo incorporated in Source ID 194P, the dry fuel metering bin incorporated in Source ID 195P, the coated fuel silo emergency discharge incorporated in Source ID 194P and the dry wood silo emergency discharge incorporated in Source ID 155P. The records of particulate matter and PM10 emissions shall be retained for ten (10) years. The permittee shall submit a report to the Department if the emissions, in tons per year, from the above sources cause the boiler modification project to exceed the baseline actual emissions (as documented in the application materials) by a significant amount for the regulated NSR pollutants (particulate matter and/or PM10), and if such emissions differ from the pre-modification projection as documented in the application materials. The report shall be submitted to the Department within 60 days after the end of such year. All records generated pursuant to this condition shall be retained 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).

**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).



**SECTION E. Source Group Restrictions.**

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

**SECTION E. Source Group Restrictions.**

Group Name: PCWP MACT

Group Description: 20 ppmvd limitation

Sources included in this group

ID	Name
141P	LINE 1 REFINERS AND 1ST STAGE DRYERS
142P	LINE 2 REFINERS AND 1ST STAGE DRYERS
161P	2ND STAGE DRYERS/LINE 1 FELTER OPS
162P	2ND STAGE DRYERS/LINE 2 FELTER OPS
171P	LINE 1 PRESS
172P	LINE 2 PRESS
184P	DIE FORM PRESS
191P	LINE 1 TEMPERING
193P	DIE FORM TEMPERING

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.2240]****Subpart DDDD - National Emission Standards for Hazardous Air Pollutants: Plywood and Composite Wood Products**  
**What are the compliance options and operating requirements and how must I meet them?**

The permittee shall either reduce the emission of total hazardous air pollutants, measured as total hydrocarbons (as carbon), contained in the effluent gas from Control Device IDs C141, C142, D42, D43, E41, E43, C171E, C172D, C184M, RTO01 and C193 by 90% or limit the concentration of total hazardous air pollutants, measured as total hydrocarbons (as carbon), to less than or equal to 20 ppmvd.

Compliance with this permit condition also ensures compliance with 25 Pa. Code Section 129.99(c).

**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).



**SECTION E. Source Group Restrictions.**

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

**SECTION E. Source Group Restrictions.**

Group Name: RACT 141P &amp; 161P

Group Description: RACT for 141 &amp; 161P

Sources included in this group

ID	Name
141P	LINE 1 REFINERS AND 1ST STAGE DRYERS
161P	2ND STAGE DRYERS/LINE 1 FELTER OPS

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §129.91]****Control of major sources of NO<sub>x</sub> and VOCs**

The volatile organic compound emissions resulting from the volatilization of volatile organic compounds from the wood fiber from the fiber dryers incorporated in Source ID 141P and Source ID 161P shall not exceed 39.9 pounds per hour for the first stage dryers incorporated in Source ID 141P, 3.2 pounds per hour for the second stage dryers incorporated in Source ID 161P and 151.00 tons in any 12 consecutive month period for all dryers combined.

**# 002 [25 Pa. Code §129.91]****Control of major sources of NO<sub>x</sub> and VOCs**

The volatile organic compound and nitrogen oxides (NO<sub>x</sub>, expressed as NO<sub>2</sub>) emissions resulting from the combustion of natural gas from the combustion sources incorporated in Source ID 141P and Source ID 161P shall not exceed 2.00 tons in any 12 consecutive month period and 47.90 tons in any 12 consecutive month period, respectively (these limits are based on the use of AP-42 emission factors for natural gas combustion).

**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.****# 003 [25 Pa. Code §129.95]****Recordkeeping**

The permittee shall maintain accurate and comprehensive records of the tons of wood fiber processed each month in Source ID 141P and Source ID 161P, respectively. All records generated pursuant to this condition shall be retained 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).

**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: RACT 142P &amp; 162P

Group Description: RACT for 142P &amp; 162P

Sources included in this group

ID	Name
142P	LINE 2 REFINERS AND 1ST STAGE DRYERS
162P	2ND STAGE DRYERS/LINE 2 FELTER OPS

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §129.91]****Control of major sources of NOx and VOCs**

The volatile organic compound emissions resulting from the volatilization of volatile organic compounds from the wood fiber from the Line 2 fiber dryers incorporated in Source ID 142P and Source ID 162P shall not exceed 44.7 pounds per hour for the first stage dryers incorporated in Source ID 142P, 3.7 pounds per hour for the second stage dryers incorporated in Source ID 162P and 169.50 tons in any 12 consecutive month period, for all dryers combined.

**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 §129.95]****Recordkeeping**

The permittee shall maintain accurate and comprehensive records of the tons of wood fiber processed each month in the Line II first stage fiber dryers incorporated in Source ID 142P and the Line II second stage fiber dryers incorporated in Source ID 162P. All records generated pursuant to this condition shall be retained 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).

**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 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.**

(1) The following air contaminant sources are considered to be insignificant with regard to air contaminant emissions and have been determined by the Department to be exempt from permit requirements. However, this determination does not exempt the sources from compliance with all applicable State and Federal regulations and all applicable air quality regulations specified in 25 Pa. Code Chapters 121-145:

- (A) 17 Zep model parts washers (degreasers) used for maintenance purposes utilizing a solvent that does not contain any HAPs that would subject it to 40 CFR 63 Subpart T.
- (B) Periodic, infrequent painting of facility owned fork trucks for maintenance purposes.
- (C) Fire protection chemicals used solely for their intended purpose and stored as per manufacturers recommendations.
- (D) Saw conditioning - the grinding of carbide saw teeth in the saw room with particulate matter controlled by a small fabric collector.
- (E) Roll conditioning - the cutting of rubber rolls used to apply roll coatings. The cutting is done on a lathe and generates a small amount of smoke which is vented through a hood to the outdoors.
- (F) Small storage and use tanks containing organic liquids with capacities less than 2000 gallons - a complete listing of tanks, including contents, is attached as Appendix C.
- (G) Line I pre-press sealer operation, Line II/ Trimboard & Die Form foamed prepress sealer operations.
- (H) 3 Spray Humidification Operations: One on Coating Line I (spray cooling, spray humidification and blow off stations); One on Die Form Coating Line (spray humidification and blow off stations); One on post No. 1 Kiln (spray cooling, spray humidification and blow off stations).
- (I) The fiber pile (AIMS Source 201P).
- (J) The woodyard babbitt hood.
- (K) Waste Paint Treatment including lime mixing.
- (L) Coating II Buffer cartridge filter (indoor exhaust)
- (M) Warehouse
- (N) Steam Vents (Boiler Chemicals)
- (O) Pumps
- (P) Air Compressor & Air Distribution
- (Q) Closed loop oil systems.
- (R) Fires and Firefighting Activity.
- (S) Die Form Feeders at Lines 1& 2 their respective baghouses
- (T) Hydraulic systems
- (U) Oil reclamation systems
- (V) A zinc borate handling system, as described in Michael L. Steele's September 16, 1999 letter to John Twardowski.

(2) The Line 2 tempering operation shall not be operated at any time. The removal from service reflects reductions in emissions to which the permittee committed to in plan approval application 08-316-014.

(3) Revision No. 1 issued March 27, 2003 incorporates a significant operating permit modification to revise conditions for a number of sources at this facility. The revised Title V operating permit contains all applicable requirements including monitoring, recordkeeping, and reporting.

(4) Revision No. 2 issued on July 26, 2006 incorporates a significant operating permit modification to include the requirements of plan approvals 08-302-039, 08-0004A, 08-316-014, 08-318-024A and 08-316-013A into the operating permit. The revision also includes a number of small sources exempted from plan approval (two-side sander and trim surface coating brush machine and associated fabric collector, Source ID 511P; spray humidification, no. 2 wetting booth, Source ID 187P; A-1 tool machine and associated brush machine, Source ID 580P). The revised Title V operating permit contains all applicable requirements including monitoring, recordkeeping, and reporting.

(5) Revision no. 3 issued November 9, 2006 is an administrative amendment to incorporate the conditions of plan approvals 08-00003A and 08-00003B into the Title V operating permit.

(6) Revision no. 4 issued July 14, 2008 is a renewal that incorporates MACT and CAM requirements and minor changes into the Title V operating permit.

(7) Revision no. 5 issued February 6, 2009 is a minor modification that revises a stack test date in the Title V operating permit.

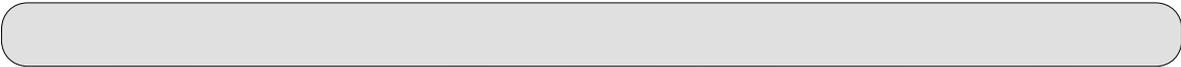
(8) Revision no. 6 issued October 22, 2009 is significant modification that revises numerous conditions in the Title V operating permit.

**SECTION H. Miscellaneous.**

(9) Revision no. 7 issued October 13, 2010 is a significant modification that revises numerous CAM requirements in the Title V operating permit.

(10) Revision no. 8 issued March 23, 2011 is a minor modification that revises a few conditions in the Title V operating permit related to the following administrative amendments and administrative amendments to incorporate the conditions of plan approvals 08-00003C, 08-00003D, 08-00003E, and 08-00003I into the Title V operating permit.

(11) Revision no. 9 issued TBD is a significant modification that incorporates MACT (Subpart DDDD) operating parameter ranges, incorporates RACT requirements from operating permit 08-0004, and is also an administrative amendment to incorporate the conditions of plan approvals 08-00003F, 08-00003G, and 08-00003H and incorporate minor corrections.



\*\*\*\*\* End of Report \*\*\*\*\*

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