COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

TITLE V/STATE OPERATING PERMIT

Issue Date: June 24, 2025 Effective Date: June 24, 2025

Expiration Date: May 31, 2030

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: 42-00158

Federal Tax Id - Plant Code: 46-1699660-1

Owner Information

Name: GEORGIA PACIFIC PANEL PRODUCTS LLC
Mailing Address: 149 TEMPLE DR
KANE, PA 16735-5343

Plant Information

Plant: GEORGIA PACIFIC PANEL PRODUCTS LLC/MOUNT JEWETT MDF
Location: 42 McKean County 42920 Sergeant Township
SIC Code: 2493 Manufacturing - Reconstituted Wood Products

Responsible Official

Name: SIDNEY BECKWITH
Title: PLANT MANAGER
Phone: (814) 778 - 2672 Email: Sid.Beckwith@gapac.com

Permit Contact Person

Name: KASSA KOCJANCIC
Title: ENVIRONMENTAL MANAGER
Phone: (814) 778 - 2622 Email: kassa.kocjancic@gapac.com

[Signature] _____
LORI L. MCNABB, NORTHWEST REGION AIR PROGRAM MANAGER

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SECTION A. Table of Contents

SECTION A. Site Inventory List

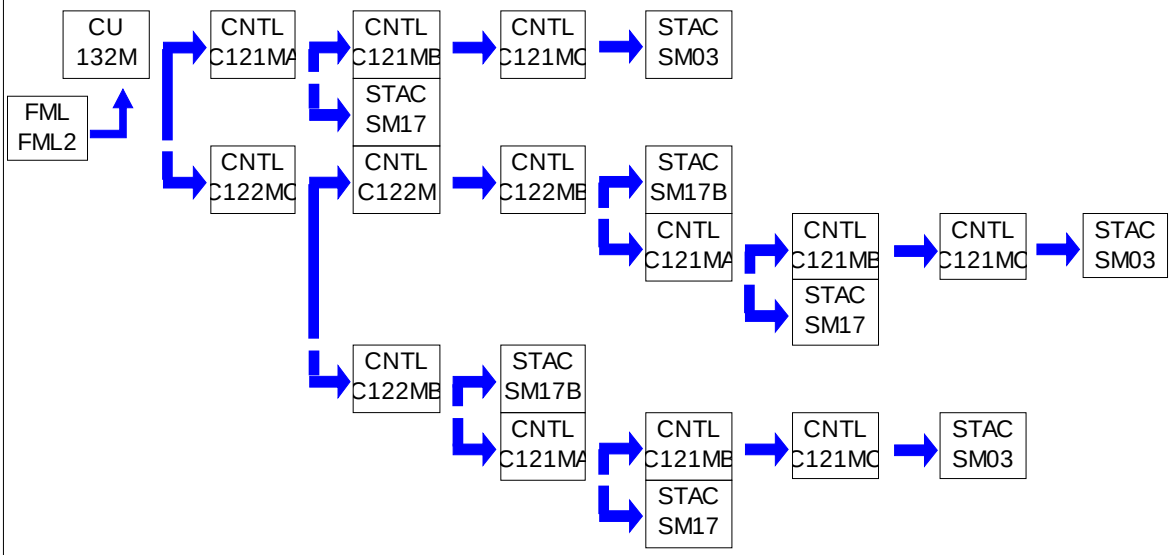
Source ID	Source Name	Capacity/Throughput		Fuel/Material
132M	MDF WESTEC PANEL BURNER	54.000	MMBTU/HR	
		50,000.000	CF/HR	Natural Gas
133M	MDF WESTEC COEN BURNER	43.000	MMBTU/HR	
		40,000.000	CF/HR	Natural Gas
134M	MDF GEKA COEN BURNER	49.900	MMBTU/HR	
		46.420	MCF/HR	Natural Gas
135M	MDF STANDBY GAS FIRED OIL HEATER GEKA AUX	43.000	MMBTU/HR	
		40,000.000	CF/HR	Natural Gas
041M	SPACE HEATERS	1.201	MMBTU/HR	
		1,201.000	CF/HR	Natural Gas
042M	PRODUCTION AREA HEATERS	34.790	MMBTU/HR	
		32,363.000	CF/HR	Natural Gas
051M	EMERGENCY GENERATORS / EMERGENCY FIRE PUMP	48.680	Gal/HR	#2 Oil
112	SYSTEM 7 (SAWING & VALUE ADDED)	24,210.000	Sq Ft/HR	ON A 3/4" BASIS
115A	BOARD BREAKER	967.350	Lbs/HR	BOARDS
119M	MDF CHIP STORAGE	24,210.000	Sq Ft/HR	ON A 3/4" BASIS
120M	MDF REFINER	24,210.000	Sq Ft/HR	ON A 3/4" BASIS
121M	MDF FIRST STAGE WESTEC FIBER DRYER	36.300	Tons/HR	ODT/HR, FIBER
122M	MDF SECOND STAGE FIBER DRYER	36.300	Tons/HR	ODT/HR, FIBER
123M	MDF SYSTEM 6, 7, & 8 - MAT REJECT	24,210.000	Sq Ft/HR	ON A 3/4" BASIS
124M	MDF PRESS & UNLOADER	24,210.000	Sq Ft/HR	ON A 3/4" BASIS
125M	MDF BOARD COOLER	24,210.000	Sq Ft/HR	ON A 3/4" BASIS
126M	MDF SYSTEM 3 - SANDER DUST SILO	24,210.000	Sq Ft/HR	ON A 3/4" BASIS
127M	MDF SYSTEM 4 - SAW TRIM SILO	24,210.000	Sq Ft/HR	ON A 3/4" BASIS
128M	MDF SYSTEM 10 - PRIMARY SANDER	24,210.000	Sq Ft/HR	ON A 3/4" BASIS
129M	MDF SYSTEM 11 - SECONDARY SANDER	24,210.000	Sq Ft/HR	ON A 3/4" BASIS
130M	MDF SYSTEM 9 - SAWS	20,147.000	Sq Ft/HR	ON A 3/4" BASIS
131M	MDF RAW MATERIAL STORAGE TANKS	29,798.425	Tons/HR	RAW MATERIAL
218M	LOG CHIPPER WITH ENGINE	80.000	Tons/HR	WOOD
C112A	CYCLONE - SYSTEM 7			
C112B	BAGHOUSE - SYSTEM 7			
C115	BAGHOUSE - SYSTEM 13, HIGH PRESSURE SYSTEM			
C119M	MDF SYSTEM 2 BAGHOUSE, CHIP TRANSFER			
C120M	MDF START UP CYCLONE			
C121MA	MDF FIRST STAGE FIBER DRYER TWIN CYCLONES			
C121MB	MDF FIRST STAGE FIBER DRYER WET ESP			
C121MC	MDF FIRST STAGE RTO			
C122M	MDF SECOND STAGE DRYER BAGHOUSE			
C122MB	MDF SECOND STAGE DRYER SECOND BAGHOUSE			
C122MC	MDF SECOND STAGE DRYER CYCLONE			

SECTION A. Site Inventory List

Source ID	Source Name	Capacity/Throughput	Fuel/Material
C123M	MDF SYSTEM 6, 7, & 8 BAGHOUSE		
C123MA	MDF SYSTEM 8 CYLCONE TO FORMER BIN		
C123MB	MDF SYSTEM 8 CYCLONE TO FIBER BUNKER		
C124M	MDF PRESS & UNLOADER TCO		
C126M	MDF SYSTEM 3 BAGHOUSE		
C127M	MDF SYSTEM 4 BAGHOUSE		
C128M	MDF SYSTEM 10 BAGHOUSE		
C129M	MDF SYSTEM 11 BAGHOUSE		
C130M	MDF SYSTEM 9 BAGHOUSE		
C134M	GEKA COEN ASH CYCLONE		
FML2	PIPELINE NATURAL GAS		
FML3	DIESEL FUEL TANKS		
S041M	STACK - SPACE HEATERS		
S042M	STACK - PRODUCTION AREA HEATERS		
S051M	EMERGENCY GENERATORS / EMERGENCY FIRE PUMP STACKS		
S115	SYSTEM 13 - HIGH PRESSURE		
S12	SYSTEM 7 BAGHOUSE EXHAUST		
SM01	MDF SYSTEM 2 BAGHOUSE STACK		
SM02	MDF STARTUP CYCLONE STACK		
SM03	MDF FIRST STAGE DRYER RTO STACK		
SM05	MDF SYSTEM 6, 7, & 8 BAGHOUSE STACK		
SM06	MDF PRESS & UNLOADER TCO STACK		
SM06A	PRESS OPERATIONS ABORT STACK		
SM07	MDF BOARD COOLER EXHAUST STACK		
SM08	MDF SYSTEM 3 BAGHOUSE STACK		
SM09	MDF SYSTEM 4 BAGHOUSE STACK		
SM10	MDF SYSTEM 10 BAGHOUSE STACK		
SM11	MDF SYSTEM 11 BAGHOUSE STACK		
SM118	LOG CHIPPING OPERATIONS		
SM12	MDF SYSTEM 9 BAGHOUSE STACK		
SM13	MDF GEKA COEN BURNER ABORT STACK		
SM17	MDF DRYER ABORT FOR WESP		
SM17B	2ND STAGE RECIRCULATION AIR / ABORT STACK		
Z01	FUGITIVES		
Z131M	MDF LIQUID STORAGE TANK FUGITIVES		

PERMIT MAPS

PERMIT MAPS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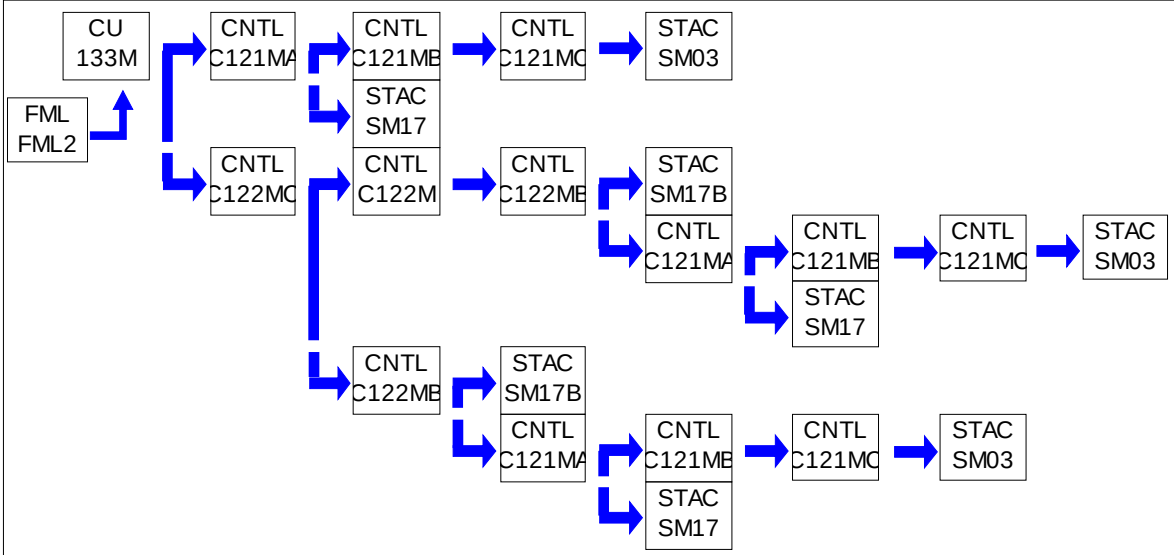
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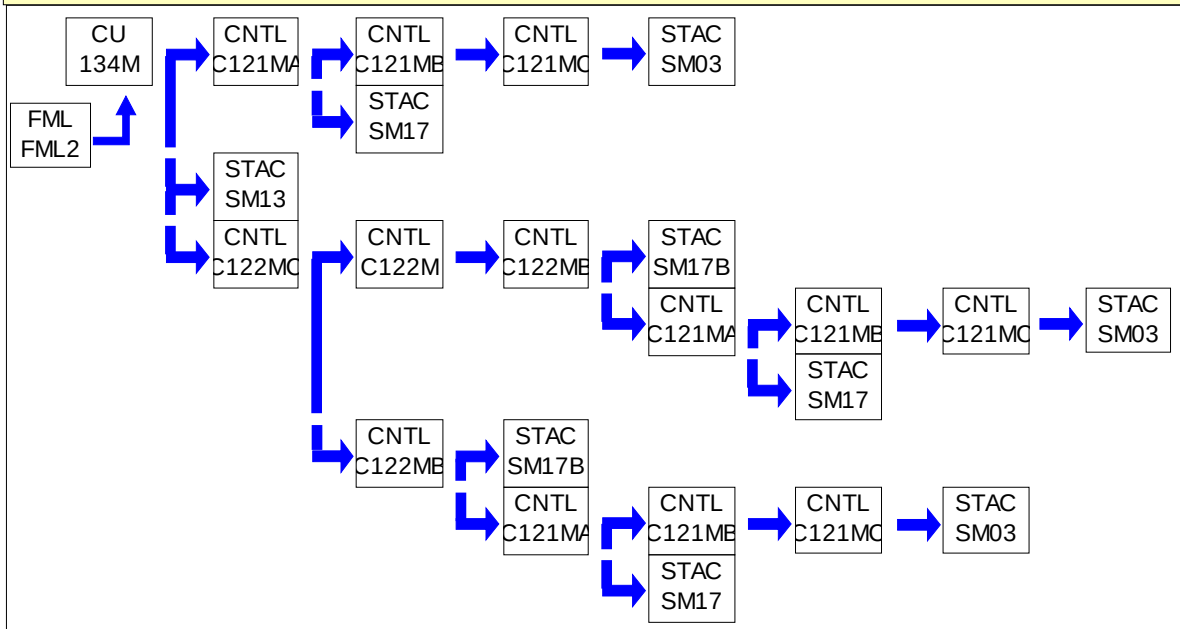
PERMIT MAPS



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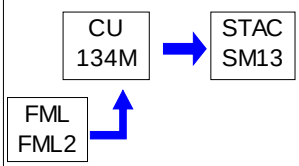
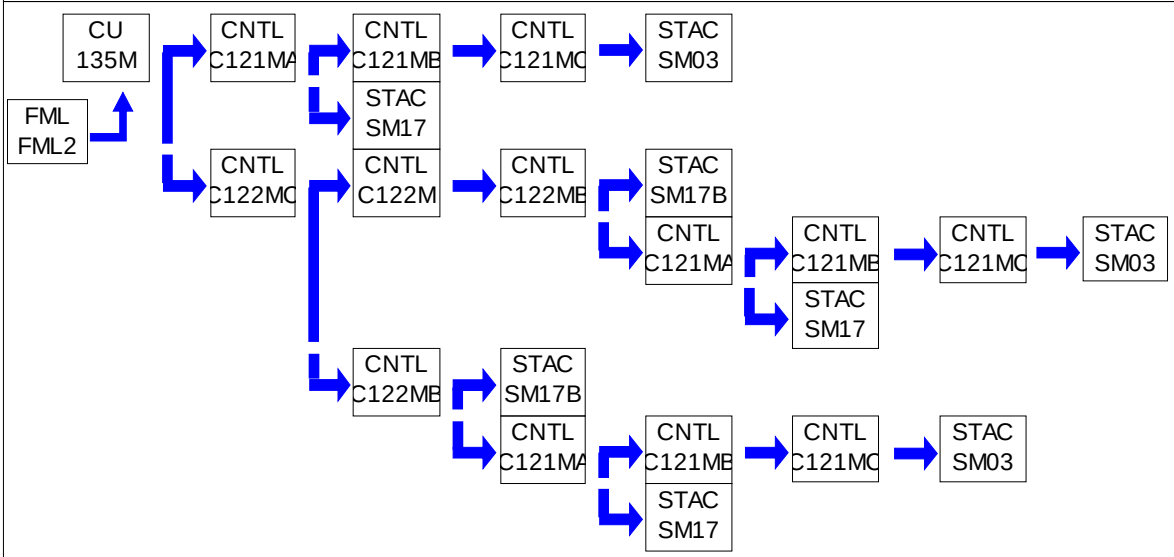
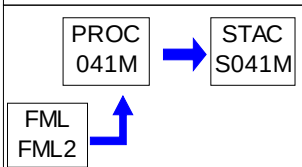
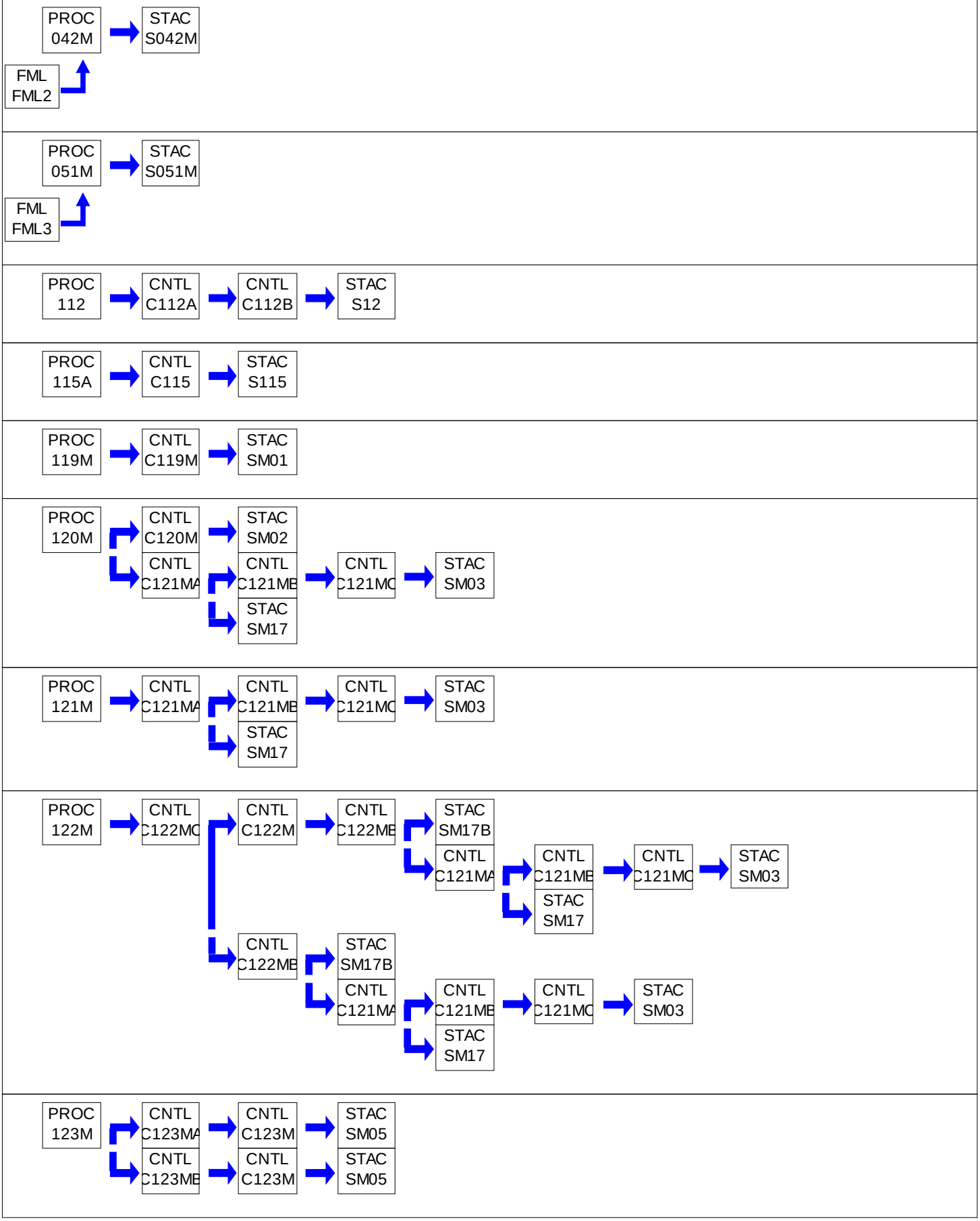






PERMIT MAPS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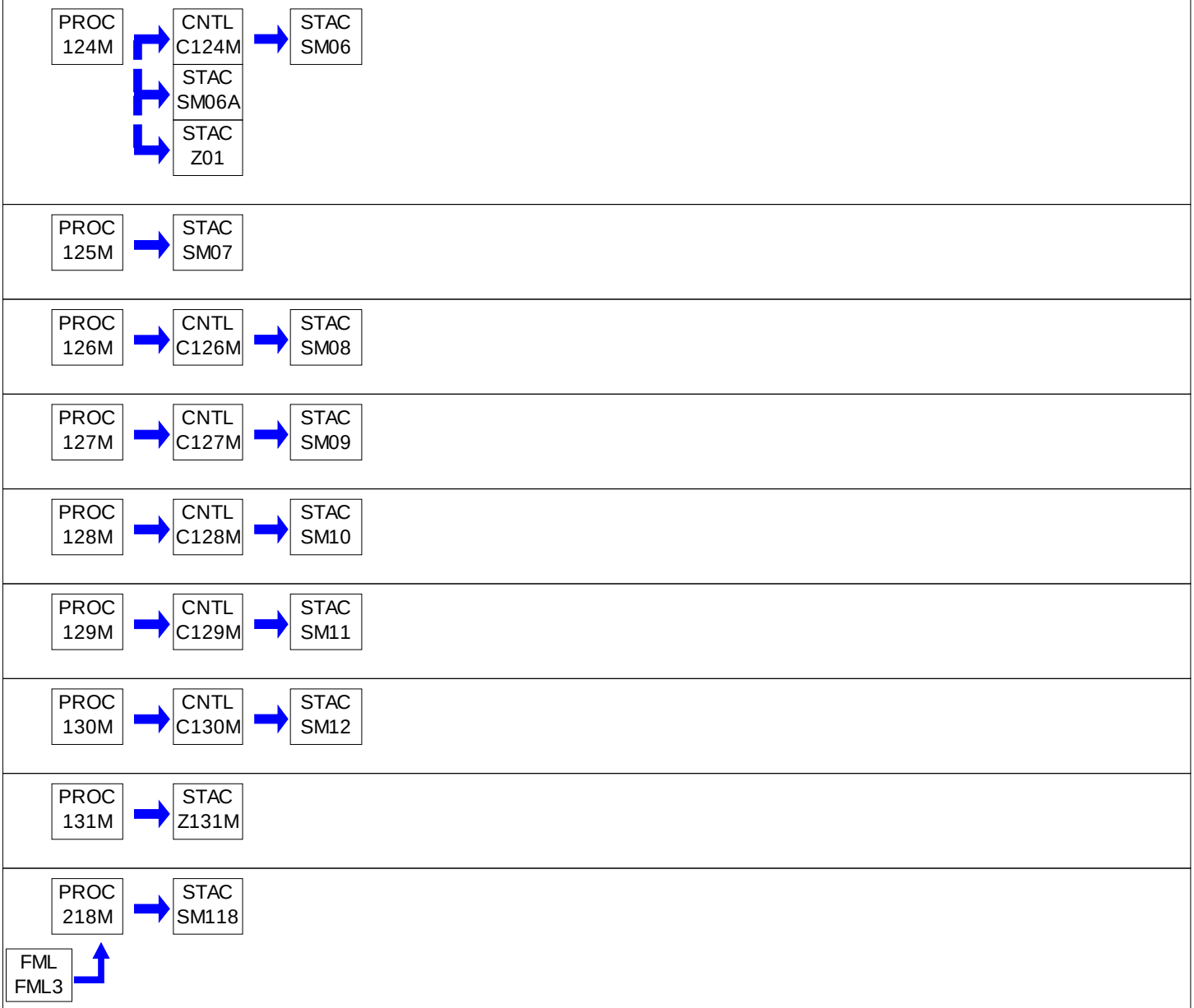
PERMIT MAPS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STAC SM12
PROC 131M
STAC Z131M
PROC 218M
STAC SM118
FML FML3

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 NOx from a single source during the term of the permit and 5 tons of NOx at the facility during the term of the permit.

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

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

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

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

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

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

SECTION B. General Title V Requirements

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Reactivation of Sources

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

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

#021 [25 Pa. Code §§ 121.9 & 127.216]

Circumvention

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

SECTION B. General Title V Requirements

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

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

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

Submissions

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

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

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

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

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

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

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

Sampling, Testing and Monitoring Procedures

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

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

#024 [25 Pa. Code §§ 127.511 & 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.

SECTION B. General Title V Requirements

(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.

#025 [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.

#026 [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 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.

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

(a) No person may permit the emission into the outdoor atmosphere of fugitive air contaminant 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) [Not applicable]

(8) [Not applicable]

(9) Sources and classes of sources other than those identified in paragraphs (1)-(8), for which the operator has obtained a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements:

(i) the emissions are of minor significance with respect to causing air pollution; and

(ii) the emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

(b) An application form for requesting a determination under either subsection (a)(9) or 129.15(c) is available from the Department. In reviewing these applications, the Department may require the applicant to supply information including, but not limited to, a description of proposed control measures, characteristics of emissions, quantity of emissions, and ambient air quality data and analysis showing the impact of the source on ambient air quality. The applicant shall be required to demonstrate that the requirements of subsections (a)(9) and (c) and 123.2 (relating to fugitive particulate matter) or of the requirements of 129.15(c) have been satisfied. Upon such demonstration, the Department will issue a determination, in writing, either as an operating permit condition, for those sources subject to permit requirements under the act, or as an order containing appropriate conditions and limitations.

(c) [Paragraph (c) of the regulation is printed under WORK PRACTICE REQUIREMENTS in this section of permit.]

(d) [Paragraph (d) of the regulation is not applicable to this facility.]

 # 002 [25 Pa. Code §123.2]

Fugitive particulate matter

A person may not permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in 25 Pa. Code § 123.1(a)(1) -- (9) (relating to prohibition of certain fugitive emissions) [Condition #001 above] if such emissions are visible at the point the emissions pass outside the person's property.

 # 003 [25 Pa. Code §123.31]

Limitations

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

SECTION C. Site Level Requirements

 # 004 [25 Pa. Code §123.41]

Limitations

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

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

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

 # 005 [25 Pa. Code §123.42]

Exceptions

The limitations of 25 Pa. Code § 123.41 (relating to limitations) shall not apply to a visible emission in any of the following instances:

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

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

(3) When the emission results from sources specified in 25 Pa. Code § 123.1(a)(1) -- (9) (relating to prohibition of certain fugitive emissions). [123.1(a)(1) -- (9) are printed under Emission Restrictions of Condition #001 in this section of permit.]

(4) [Not applicable]

II. TESTING REQUIREMENTS.

 # 006 [25 Pa. Code §123.43]

Measuring techniques

Visible emissions may be measured using either of the following:

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

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

 # 007 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The Department reserves the right to require exhaust stack testing of any source(s) as necessary to verify emissions for purposes of determining malfunctions or compliance with any applicable requirements.

[From Plan Approval Number 42-158I, Section C, Condition #008.]

III. MONITORING REQUIREMENTS.

 # 008 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

FABRIC COLLECTORS

The company shall install and maintain, at convenient locations, gauges to measure pressure drop across all fabric collectors.

[From Plan Approval Number 42-158I, Section C, Condition #016.]

 # 009 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

WET ESP

SECTION C. Site Level Requirements

(a) The company shall monitor (based on a 3-hour average) the secondary voltage (kV) on Field 1 and Field 2 at the wet ESP.

(b) The secondary voltage (for WESP Field 1 and WESP Field 2) shall be maintained at a minimum of 25 kV.

(c) The company shall monitor (based on a 3-hour average) the secondary current (mA) on Field 1 and Field 2 at the wet ESP.

(d) The secondary current (for WESP Field 1 and WESP Field 2) shall range from 5 - 400 milliamps (mA).

[From Plan Approval Number 42-158I, Section C, Condition #016 as modified at the 2024 TV permit renewal.]

IV. RECORDKEEPING REQUIREMENTS.

 # 010 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

COMBUSTION UNITS

The company shall calculate and record the gas burned in the combustion units based on the measured amount for the process control computer.

[From Plan Approval Number 42-158I, Section C, Condition #009.]

 # 011 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Production limits will be calculated for low density board produced as follows:

[Adjusted Daily Production (3/4" basis)] =

[Daily Production (3/4" basis)] x [Daily Average board density / permitted board density of 48.00 lb/ft3]

[From Plan approval 42-158P]

 # 012 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

VISIBLE EMISSIONS

A daily inspection checklist shall be kept to record discovered emissions and corrective actions taken. The inspection records shall be kept on site and made available to the Department upon request.

[From Plan Approval Number 42-158I, Section C, Condition #009.]

 # 013 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

ALL AIR POLLUTION CONTROL DEVICES

The company shall maintain logs of all preventative maintenance inspections for all the control devices at the MDF plant. The logs (at a minimum) shall include the following:

(1) dates of the inspections;
(2) any potential problems or defects that were encountered;
(3) the steps taken to correct them;
(4) for fabric collectors, the measured pressure drop across the collector; and
(5) for Wet ESP, the measured secondary current (mA) for Field 1 and Field 2 and secondary voltage (kV) for Field 1 and Field 2 at the wet ESP.

[From Plan Approval Number 42-158I, Section C, Condition #009.]

SECTION C. Site Level Requirements

 # 014 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

All records required by this permit shall be maintained for a minimum of 5 years. The records shall be made available to the Department upon request.

[From Plan Approval Number 42-158I, Section C, Condition #009.]

 # 015 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

HOURS OF OPERATION OF SOURCES & PRODUCTION VOLUME

The company shall maintain records of the hours of operation of the sources and production levels at the MDF plant.

[From Plan Approval Number 42-158I, Section C, Condition #009.]

V. REPORTING REQUIREMENTS.

 # 016 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

MALFUNCTION REPORTING:

(a) The company, shall notify the Department, of any malfunction of the source(s) or associated air cleaning device(s) which results in, or may possibly be resulting in, the emission of air contamination in excess of the limitations specified in this permit or established pursuant to, any applicable rule or regulation contained in Article III of the Rules and Regulations of the Department of Environmental Protection. A written report of the malfunction shall be submitted (electronically) to the Department within 2 working days following incidents exceeding 30 minutes describing the malfunctions and corrective actions taken.

(b) The notice at a minimum shall contain the following.
(1) the affected source and control device,
(2) the start and end of excess emissions,
(3) the total duration of the event,
(4) a description of the malfunction, and
(5) how it was corrected.

[From Plan Approval Number 42-158I, Section C, Condition #011.]

 # 017 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The 6-month monitoring and deviation report, required under Section B Condition #026(b), shall be submitted to the Department within 30-days of the end of the reporting period.

The 6-month monitoring/deviation report shall cover the following periods unless otherwise approved by the Department:

(1) October 1 through March 31 due by April 30 of each year; and
(2) April 1 through September 30 due by October 31 of each year.

(b) In accordance with 25 Pa. Code §127.513 and with Section B Condition #024 of this permit, the annual compliance certification report shall be submitted to both the Department and EPA within 30 days of the end of the reporting period.

The annual compliance certification shall cover the following period unless otherwise approved by the Department.

• October 1 through September 30 and is due by October 31 of each year.

(c) Electronic submissions to the Northwest Regional Office Air Quality program should be submitted by use of the OnBase-DEP Upload Form at the following web address in lieu of sending paper copies to the Department.

SECTION C. Site Level Requirements

https://www.dep.pa.gov/DataandTools/Pages/Application-Form-Upload.aspx

(d) Electronic compliance certifications may be sent to the EPA at the following email address.

R3_APD_Permits@epa.gov

Include the following in the email subject line:
- name of facility, state, and Title V operating permit number.

 # 018 [25 Pa. Code §135.21]

Emission statements

(a) Except as provided in subsection (d), this section applies to stationary sources or facilities:

(1) Located in an area designated by the Clean Air Act as a marginal, moderate, serious, severe or extreme ozone nonattainment area and which emit oxides of nitrogen or VOC.

(2) Not located in an area described in paragraph (1) and included in the Northeast Ozone Transport Region which emit or have the potential to emit 100 tons or more of oxides of nitrogen or 50 tons or more of VOC per year.

(b) The owner or operator of each stationary source emitting oxides of nitrogen or VOCs shall provide the Department with a statement, in a form as the Department may prescribe, for classes or categories of sources, showing the actual emissions of oxides of nitrogen and VOCs from that source for each reporting period, a description of the method used to calculate the emissions and the time period over which the calculation is based. The statement shall contain a certification by a company officer or the plant manager that the information contained in the statement is accurate.

(c) Annual emission statements are due by March 1 for the preceding calendar year beginning with March 1, 1993, for calendar year 1992 and shall provide data consistent with requirements and guidance developed by the EPA. The guidance document is available from: United States Environmental Protection Agency, 401 M Street, S.W., Washington, D.C. 20460. The Department may require more frequent submittals if the Department determines that one or more of the following applies:

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

(2) Analysis of the data on a more frequent basis is necessary to implement the requirements of the act.

(d) [Paragraph (d) of the regulation is not applicable to this facility.]

VI. WORK PRACTICE REQUIREMENTS.

 # 019 [25 Pa. Code §123.1]

Prohibition of certain fugitive emissions

(a) - (b) [Paragraphs (a) and (b) of 25 Pa. Code § 123.1 are printed under Emission Restrictions in this section of permit.]

(c) A person responsible for any source specified in 25 Pa. Code § 123.1(a)(1) -- (7) or (9) [Condition 001 above] shall take all reasonable actions to prevent particulate matter from becoming airborne. 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, water 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.

SECTION C. Site Level Requirements

(d) [Paragraph (d) of the regulation is not applicable to this facility.]

 # 020 [25 Pa. Code §127.12b]
Plan approval terms and conditions.

ALL FABRIC COLLECTORS

(a) The company shall perform (at a minimum) weekly preventative maintenance inspections of all the fabric collectors at the MDF plant and check the pressure drop across each of the fabric collectors.

(b) For each fabric collector 20 percent of the total number of bags in the baghouse is required to be on hand for replacement as necessary.

[From Plan Approval Number 42-158I, Section C, Condition #016.]

 # 021 [25 Pa. Code §127.12b]
Plan approval terms and conditions.

WET ESP

The company shall perform weekly (at a minimum) preventative maintenance inspections of the Wet ESPs and check the current (KVA) at the wet ESPs.

[From Plan Approval Number 42-158I, Section C, Condition #016.]

 # 022 [25 Pa. Code §127.12b]
Plan approval terms and conditions.

The sources and air pollution control devices identified in this permit shall be maintained and operated in accordance with the plan approval application and consistent with good air pollution control practices.

[From Plan Approval Number 42-158I, Section C, Condition #016.]

 # 023 [25 Pa. Code §127.12b]
Plan approval terms and conditions.

VISIBLE EMISSIONS

The permittee shall conduct daily inspections of the operations area of the facility, during periods when the plant is operational, to observe for the presence of fugitive emissions and visible emissions from points such as the raw material conveyors and the paved roadways. The inspection shall include an observation of control devices for leakage or operational problems. Corrective action shall be taken to return problems discovered to the normal state.

[From Plan Approval Number 42-158I, Section C, Condition #016.]

 # 024 [25 Pa. Code §129.14]
Open burning operations

(a) Air basins. [Paragraph (a) of the regulation is not applicable to this facility.]

(b) Outside of air basins. No person may permit the open burning of material in an area outside of air basins in a manner that:

(1) The emissions are visible, at any time, at the point such emissions pass outside the property of the person on whose land the open burning is being conducted.

(2) Malodorous air contaminants from the open burning are detectable outside the property of the person on whose land the open burning is being conducted.

(3) The emissions interfere with the reasonable enjoyment of life or property.

SECTION C. Site Level Requirements

(4) The emissions cause damage to vegetation or property.

(5) The emissions are or may be deleterious to human or animal health.

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

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

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

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

(4) [Not applicable]

(5) [Not applicable]

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

(7) A fire set solely for cooking food.

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

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

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

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

(2) [Not applicable]

(3) Subsection (b) notwithstanding clearing and grubbing wastes may be burned outside of an air basin, subject to the following limitations:

(i) Upon receipt of a complaint or determination by the Department that an air pollution problem exists, the Department may order that the open burning cease or comply with subsection (b) of this section.

(ii) Authorization for open burning under this paragraph does not apply to clearing and grubbing wastes transported from an air basin for disposal outside of an air basin.

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

[This permit does not constitute authorization to burn solid waste pursuant to Section 610(3) of the Solid Waste Management Act, 35 P.S. Section 6018.610(3), or any other provision of the Solid Waste Management Act.]

VII. ADDITIONAL REQUIREMENTS.

 # 025 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

TCO -- CONTROL DEVICE C124M

All conditions relating to the monitoring of TCO catalyst(s) shall apply during periods when the unit is being operated as a TCO.

SECTION C. Site Level Requirements

[Plan Approval 42-158P]

 # 026 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Plan Approval 42-158P was for the increase in permitted annual hours of operation from 7600 to 8760, and for various changes in source mapping and operational restrictions.

[From Plan Approval 42-158P]

VIII. COMPLIANCE CERTIFICATION.

The permittee shall submit within thirty days of 10/01/2011 a certificate of compliance with all permit terms and conditions set forth in this Title V permit as required under condition #026 of section B of this permit, and annually thereafter.

IX. COMPLIANCE SCHEDULE.

No compliance milestones exist.

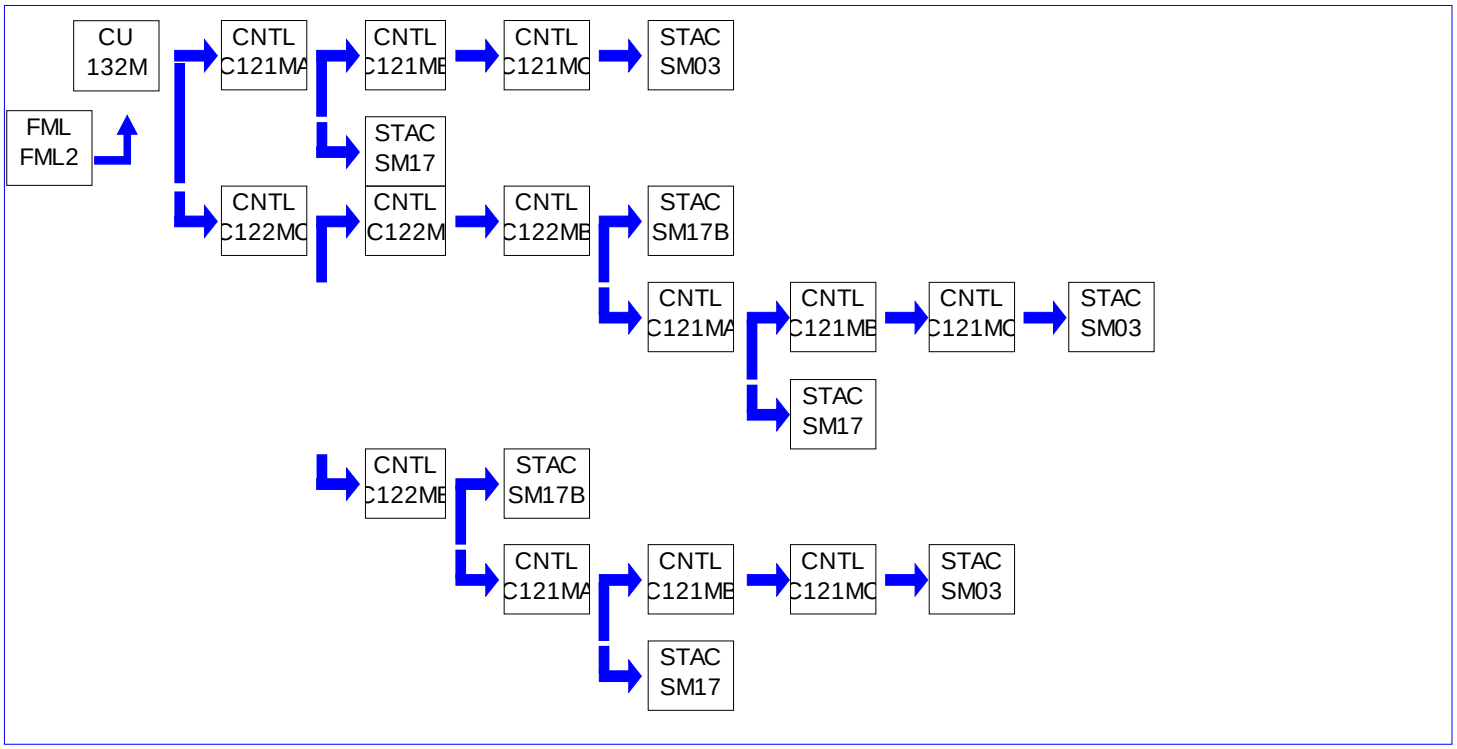
***** Permit Shield In Effect *****

SECTION D. Source Level Requirements

Source ID: 132M Source Name: MDF WESTEC PANEL BURNER

Source Capacity/Throughput: 54.000 MMBTU/HR
50,000.000 CF/HR Natural Gas

Conditions for this source occur in the following groups: 05 - PAL 42-158Q
06 - PRESUMPTIVE RACT III
07 - RACT II & RACT III - DRYER SYSTEMS
09 - SM03 - RTO STACK
10 - COMPOSITE WOOD PRODUCTS MACT
11 - STACK TESTING



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The emissions from the MDF Dryer Abort Stack for the WESP exhaust (SM17) shall not exceed the following:

(1) CO: 1.95 tpy based on a consecutive 12-month period

(2) NOx: 2.32 tpy based on a consecutive 12-month period

(3) SOx: 0.014 tpy based on a consecutive 12-month period

[From Plan Approval 42-158R]

(b) The emissions from the MDF First Stage Dryer RTO Stack (SM03) shall not exceed the following:

- MDI (Diphenylmethane diisocyanate): 0.18 tpy based on a consecutive 12-month period

[From Plan Approval 42-158R]

SECTION D. Source Level Requirements

Fuel Restriction(s).

 # 002 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The Westec Panel Burner (Source 132M) shall fire natural gas only.

[From Plan Approval Number 42-158I, Section D, Condition #001.]

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.

 # 003 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The Westec Panel Burner (Source 132M) is rated at 50 million BTU/hr and will be used as supplemental for the first and second stage dryers (Sources 121M & 122M) at the MDF Plant.

[From Plan Approval Number 42-158I, Section D, Condition #002.]

VII. ADDITIONAL REQUIREMENTS.

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

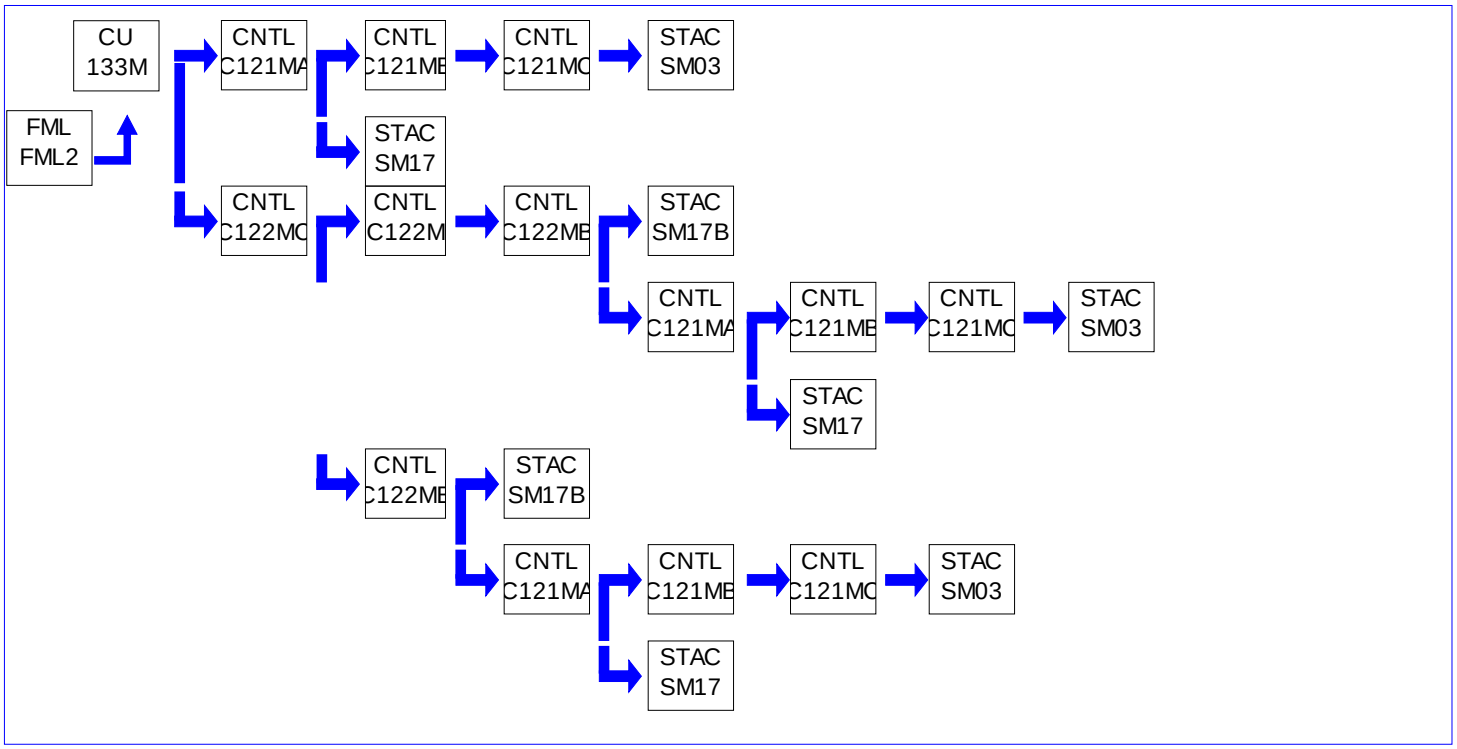
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 133M Source Name: MDF WESTEC COEN BURNER

Source Capacity/Throughput: 43.000 MMBTU/HR
40,000.000 CF/HR Natural Gas

Conditions for this source occur in the following groups: 05 - PAL 42-158Q
06 - PRESUMPTIVE RACT III
07 - RACT II & RACT III - DRYER SYSTEMS
09 - SM03 - RTO STACK
10 - COMPOSITE WOOD PRODUCTS MACT
11 - STACK TESTING



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The emissions from the MDF Dryer Abort Stack for the WESP exhaust (SM17) shall not exceed the following:

(1) CO: 1.95 tpy based on a consecutive 12-month period

(2) NOx: 2.32 tpy based on a consecutive 12-month period

(3) SOx: 0.014 tpy based on a consecutive 12-month period

[From Plan Approval 42-158R]

(b) The emissions from the MDF First Stage Dryer RTO Stack (SM03) shall not exceed the following:

- MDI (Diphenylmethane diisocyanate): 0.18 tpy based on a consecutive 12-month period

[From Plan Approval 42-158R]

SECTION D. Source Level Requirements

Fuel Restriction(s).

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

The Westec-Coen Dual-Fuel burner (Source 133M) shall only burn natural gas fuels for the first and second stage dryers (Sources 121M & 122M) at the MDF plant.

[From November 15, 2016, Title V Operating Permit Application letter]

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

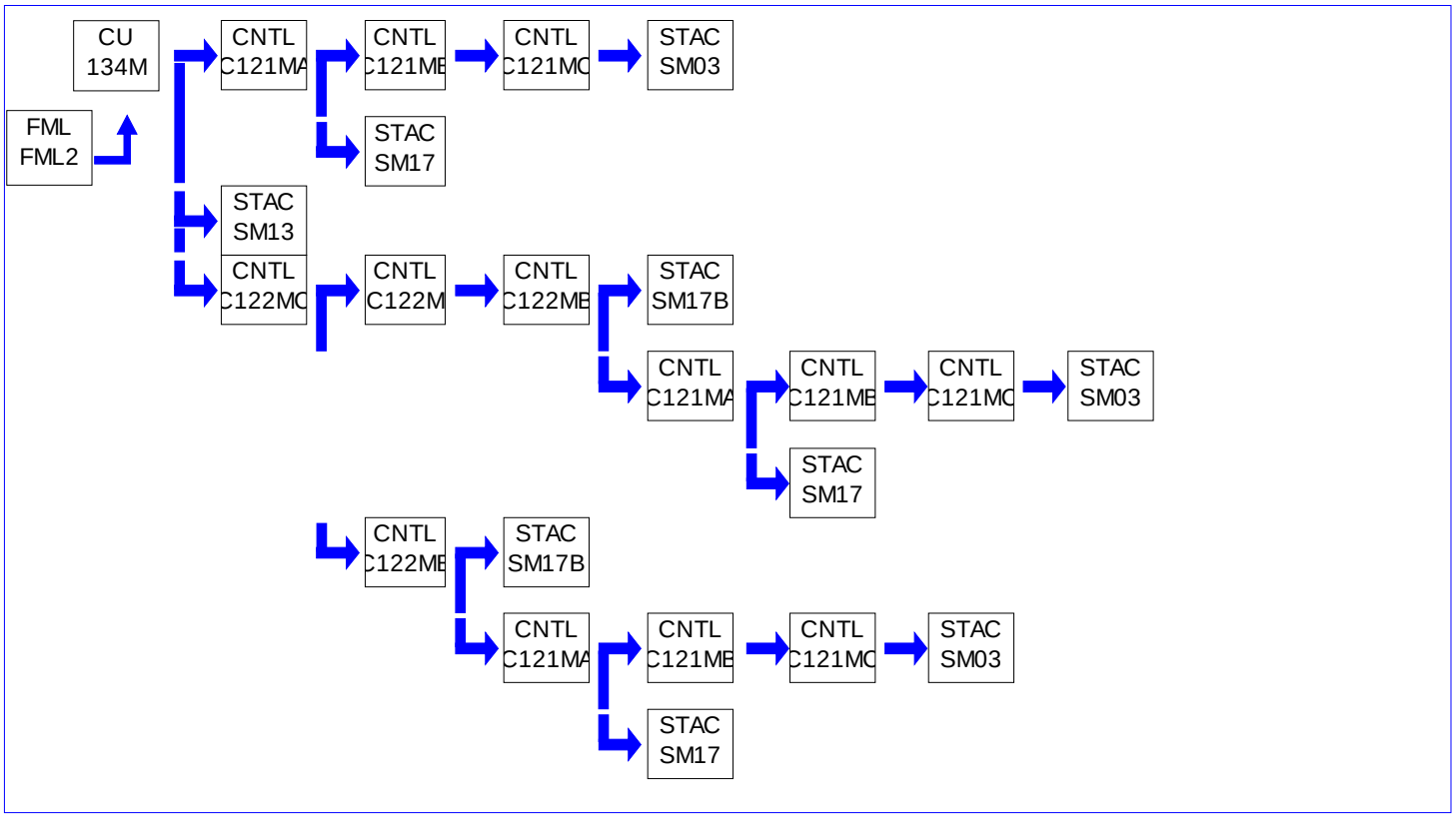
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 134M Source Name: MDF GEKA COEN BURNER

Source Capacity/Throughput: 49.900 MMBTU/HR
46.420 MCF/HR Natural Gas

Conditions for this source occur in the following groups: 05 - PAL 42-158Q
06 - PRESUMPTIVE RACT III
07 - RACT II & RACT III - DRYER SYSTEMS
09 - SM03 - RTO STACK
10 - COMPOSITE WOOD PRODUCTS MACT
11 - STACK TESTING



This source occurs in alternate operation LOW FIRE OPERATION

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The emissions from the MDF Dryer Abort Stack for the WESP exhaust (SM17) shall not exceed the following:

(1) CO: 1.95 tpy based on a consecutive 12-month period

(2) NOx: 2.32 tpy based on a consecutive 12-month period

(3) SOx: 0.014 tpy based on a consecutive 12-month period

[From Plan Approval 42-158R]

(b) The emissions from the MDF First Stage Dryer RTO Stack (SM03) shall not exceed the following:

SECTION D. Source Level Requirements

• MDI (Diphenylmethane diisocyanate): 0.18 tpy based on a consecutive 12-month period.

[From Plan Approval 42-158R]

Fuel Restriction(s).

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The Geka Coen Dual-Fuel Burner (Source 134M) shall only burn natural gas to supply heat for the thermal oil for the press at the MDF plant.

[From November 15, 2016, Title V operating permit application letter]

Operation Hours Restriction(s).

 # 003 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The facility shall use the stack SM13 for the Geka Coen (Source 134M) a maximum of 72 hours per year for emergency abort gate usage based on a 12-month rolling total. This restriction does not apply to the Low Fire Alternative Operation authorized in Section F of this permit.

[From plan approval 42-158I as modified at the 2024 TV renewal to clarify that the restriction does not apply to the alternative operation.]

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 §127.12b]

Plan approval terms and conditions.

The facility shall keep a record of the following when the emergency abort gate (SM13) has been used:

(a) Date the emergency abort gate was used;
(b) The reason for the use of the emergency abort gate;
(c) The duration of the emergency abort stack usage;
(d) The flow rate sent to the emergency abort stack;
(e) The amount of pollutants emitted during the usage.

[From plan approval 42-158L]

 # 005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

All records required for this source shall be maintained by the owner or operator of the affected facility for a period of 5 years following the date of such record.

 # 006 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.48c]

Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units

SECTION D. Source Level Requirements

Reporting and recordkeeping requirements.

(a) - (f) [Paragraphs (a) through (f) of regulation 40 CFR §60.48c are not applicable or no longer applicable to this source.]

(g) (1) Except as provided under paragraphs (g)(2) and (g)(3) of this section, the owner or operator of each affected facility shall record and maintain records of the amount of each fuel combusted during each operating day.

(2) As an alternative to meeting the requirements of paragraph (g)(1) of this section, the owner or operator of an affected facility that combusts only natural gas, wood, fuels using fuel certification in §60.48c(f) to demonstrate compliance with the SO2 standard, fuels not subject to an emissions standard (excluding opacity), or a mixture of these fuels may elect to record and maintain records of the amount of each fuel combusted during each calendar month.

(3) As an alternative to meeting the requirements of paragraph (g)(1) of this section, the owner or operator of an affected facility or multiple affected facilities located on a contiguous property unit where the only fuels combusted in any steam generating unit (including steam generating units not subject to this subpart) at that property are natural gas, wood, distillate oil meeting the most current requirements in §60.42C to use fuel certification to demonstrate compliance with the SO2 standard, and/or fuels, excluding coal and residual oil, not subject to an emissions standard (excluding opacity) may elect to record and maintain records of the total amount of each steam generating unit fuel delivered to that property during each calendar month.

(h) [Paragraph (h) of regulation 40 CFR §60.48c is not applicable to this source.]

(i) [Paragraph (i) of regulation 40 CFR §60.48c is streamlined out of the permit in favor of the more restrictive 25 Pa. Code §127.441 condition requiring records to be maintained for 5 years.]

(j) [Paragraph (h) of regulation 40 CFR §60.48c is not applicable to this source.]

[72 FR 32759, June 13, 2007, as amended at 74 FR 5091, Jan. 28, 2009]

V. REPORTING REQUIREMENTS.

 # 007 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The permittee shall report the following in the facility semi-annual compliance certification:

(a) Date the emergency abort gate (SM13) was used;
(b) The reason for the use of the emergency abort gate;
(c) The duration of the emergency abort stack usage;
(d) The flow rate sent to the emergency abort stack;
(e) The amount of pollutants emitted during the usage.

[From plan approval 42-158L]

VI. WORK PRACTICE REQUIREMENTS.

 # 008 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The facility shall conduct the following to reduce the burner rating from 66 million Btu/hr to less than 50 million Btu/hr:

(a) The facility shall weld the mechanical linkage that regulates gas flow such that it is no longer adjustable.

(b) Install a regulator sized with an orifice to limit the gas flow such that the burner is not capable to be fired at 50 million Btu/hr or greater.

[From Plan Approval 42-158R]

SECTION D. Source Level Requirements

 # 009 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The facility shall only use the Abort stack (SM13) for the Geka Coen (Source 134M) during start-up, shut-down, malfunction, and short-term maintenance isolation situations only.

[From Plan Approval 42-158L]

VII. ADDITIONAL REQUIREMENTS.

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

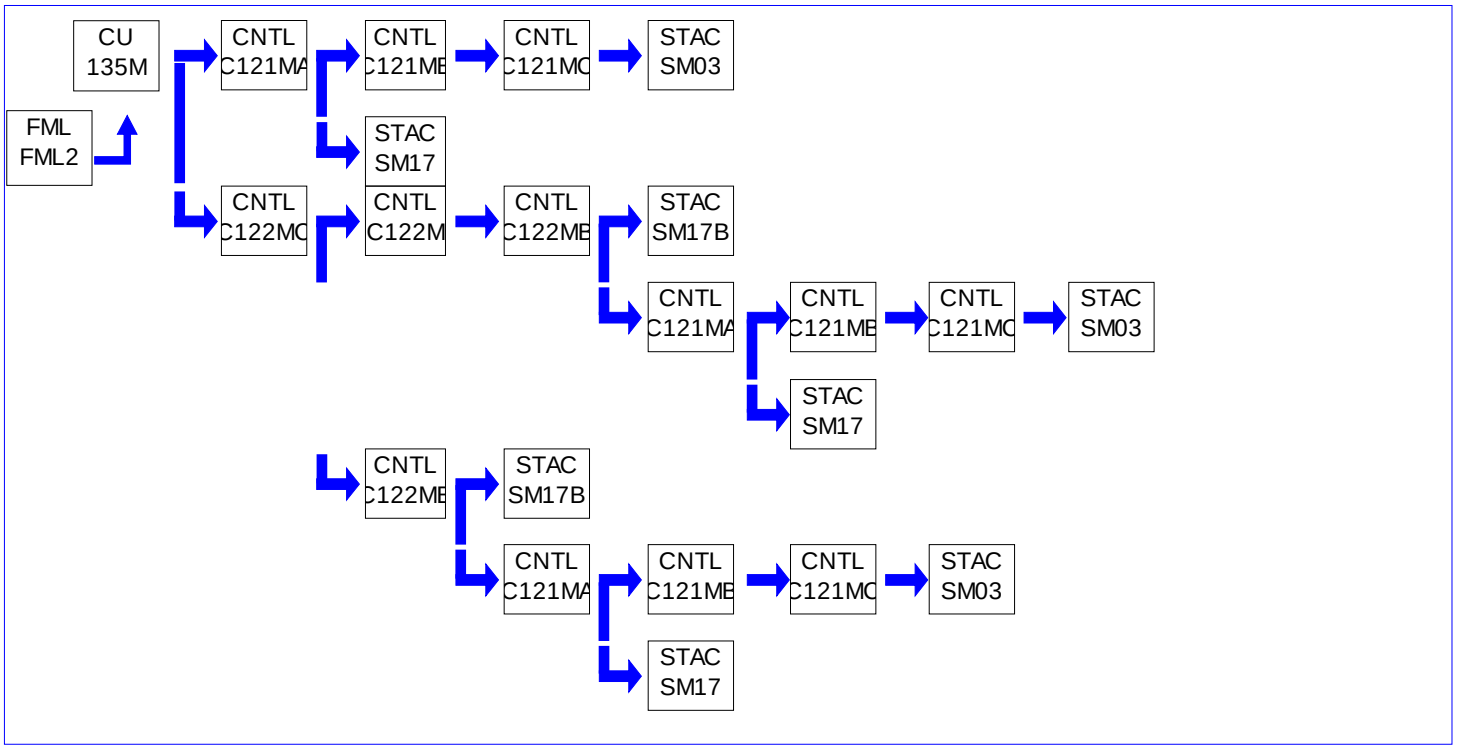
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 135M Source Name: MDF STANDBY GAS FIRED OIL HEATER GEKA AUX

Source Capacity/Throughput: 43.000 MMBTU/HR
40,000.000 CF/HR Natural Gas

Conditions for this source occur in the following groups: 05 - PAL 42-158Q
06 - PRESUMPTIVE RACT III
07 - RACT II & RACT III - DRYER SYSTEMS
09 - SM03 - RTO STACK
10 - COMPOSITE WOOD PRODUCTS MACT
11 - STACK TESTING



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The emissions from the MDF Dryer Abort Stack for the WESP exhaust (SM17) shall not exceed the following:

(1) CO: 1.95 tpy based on a consecutive 12-month period

(2) NOx: 2.32 tpy based on a consecutive 12-month period

(3) SOx: 0.014 tpy based on a consecutive 12-month period

[From Plan Approval 42-158R]

(b) The emissions from the MDF First Stage Dryer RTO Stack (SM03) shall not exceed the following:

- MDI (Diphenylmethane diisocyanate): 0.18 tpy based on a consecutive 12-month period

[From Plan Approval 42-158R]

SECTION D. Source Level Requirements

Fuel Restriction(s).

 # 002 [25 Pa. Code §127.12b]
Plan approval terms and conditions.

The Geka Auxiliary Burner (Source 135M) shall fire natural gas only.

[From Plan Approval Number 42-158I, Section D, Condition #002.]

Operation Hours Restriction(s).

 # 003 [25 Pa. Code §127.12b]
Plan approval terms and conditions.

The 43 million Btu/hr MDF Geka Auxiliary Burner (Source 135M) shall be used a maximum of 7000 hours per year, when operated simultaneously with the MDF Geka Coen Burner, based on a twelve month rolling total.

[From Plan Approval 42-158P]

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.

All records required by this permit shall be maintained by the owner or operator of the affected facility for a period of 5 years following the date of such record.

 # 005 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.48c]
Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units
Reporting and recordkeeping requirements.

(a) - (f) [Paragraphs (a) through (f) of regulation 40 CFR §60.48c are not applicable or no longer applicable to this source.]

(g) (1) Except as provided under paragraphs (g)(2) and (g)(3) of this section, the owner or operator of each affected facility shall record and maintain records of the amount of each fuel combusted during each operating day.

(2) As an alternative to meeting the requirements of paragraph (g)(1) of this section, the owner or operator of an affected facility that combusts only natural gas, wood, fuels using fuel certification in §60.48c(f) to demonstrate compliance with the SO2 standard, fuels not subject to an emissions standard (excluding opacity), or a mixture of these fuels may elect to record and maintain records of the amount of each fuel combusted during each calendar month.

(3) As an alternative to meeting the requirements of paragraph (g)(1) of this section, the owner or operator of an affected facility or multiple affected facilities located on a contiguous property unit where the only fuels combusted in any steam generating unit (including steam generating units not subject to this subpart) at that property are natural gas, wood, distillate oil meeting the most current requirements in §60.42C to use fuel certification to demonstrate compliance with the SO2 standard, and/or fuels, excluding coal and residual oil, not subject to an emissions standard (excluding opacity) may elect to record and maintain records of the total amount of each steam generating unit fuel delivered to that property during each calendar month.

(h) [Paragraph (h) of regulation 40 CFR §60.48c is not applicable to this source.]

SECTION D. Source Level Requirements

(i) [Paragraph (i) of regulation 40 CFR §60.48c is streamlined out of the permit in favor of the more restrictive 25 Pa. Code §127.441 condition requiring records to be maintained for 5 years.]

(j) [Paragraph (h) of regulation 40 CFR §60.48c is not applicable to this source.]

[72 FR 32759, June 13, 2007, as amended at 74 FR 5091, Jan. 28, 2009]

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.

 # 006 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The 40 million Btu/hr MDF Geka Auxiliary Burner (Source 135M) shall be used either in conjunction with, or as a backup heat supply to the Geka Coen Burner (Source 134M) [thermal oil for the press at the MDF Plant].

[From Plan Approval 42-158P]

VII. ADDITIONAL REQUIREMENTS.

 # 007 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

This source shall be considered part of the 'affected source' subject to the applicable provisions of 40 CFR 63, Subpart DDDD, as described by 40 CFR 63.2232(b).

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

SECTION D. Source Level Requirements

Source ID: 041M Source Name: SPACE HEATERS

Source Capacity/Throughput: 1.201 MMBTU/HR
1,201.000 CF/HR Natural Gas

Conditions for this source occur in the following groups: 02 - SOX LIMIT PROCESSES
05 - PAL 42-158Q

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

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

SECTION D. Source Level Requirements

Source ID: 042M Source Name: PRODUCTION AREA HEATERS

Source Capacity/Throughput: 34.790 MMBTU/HR
32,363.000 CF/HR Natural Gas

Conditions for this source occur in the following groups: 02 - SOX LIMIT PROCESSES
05 - PAL 42-158Q
06 - PRESUMPTIVE RACT III

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

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

SECTION D. Source Level Requirements

Source ID: 051M Source Name: EMERGENCY GENERATORS / EMERGENCY FIRE PUMP

Source Capacity/Throughput: 48.680 Gal/HR #2 Oil

Conditions for this source occur in the following groups: 02 - SOX LIMIT PROCESSES
05 - PAL 42-158Q
06 - PRESUMPTIVE RACT III

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot, when the effluent gas volume is less than 150,000 dry standard cubic feet per minute.

Fuel Restriction(s).

 # 002 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6604]

Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

What fuel requirements must I meet if I own or operate an existing stationary CI RICE?

(a) [Not applicable]

(b) Beginning January 1, 2015, if you own or operate an existing emergency CI stationary RICE with a site rating of more than 100 brake HP and a displacement of less than 30 liters per cylinder that uses diesel fuel and operates for the purpose specified in § 63.6640(f)(4)(ii), you must use diesel fuel that meets the requirements in 40 CFR 1090.305 for nonroad diesel fuel, except that any existing diesel fuel purchased (or otherwise obtained) prior to January 1, 2015, may be used until depleted.

(c) [Reserved]

(d) [Not applicable]

[78 FR 6702, Jan. 30, 2013, as amended at 85 FR 78463, Dec. 4, 2020; 87 FR 48607, Aug. 10, 2022]

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40 CFR § 1090.305 ULSD standards.

(a) Overview. Except as specified in § 1090.300(a), diesel fuel must meet the ULSD per-gallon standards of this section.

(b) Sulfur standard. Maximum sulfur content of 15 ppm.

(c) Cetane index or aromatic content. Diesel fuel must meet one of the following standards:

(1) Minimum cetane index of 40.

SECTION D. Source Level Requirements

(2) Maximum aromatic content of 35 volume percent.

[Source: 85 FR 78469, Dec. 4, 2020]

Operation Hours Restriction(s).

 # 003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6640]

Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

How do I demonstrate continuous compliance with the emission limitations, operating limitations, and other requireme

The following requirement pertains to the MDF Emergency Generator 277 HP engine and the Emergency Fire Water Pump 141 HP Engine:

(a) You must demonstrate continuous compliance with each emission limitation, operating limitation, and other requirements in Tables 1a and 1b, Tables 2a and 2b, Table 2c, and Table 2d to this subpart that apply to you according to methods specified in Table 6 to this subpart.

[Categories 1 and 6 of Table 2c of Subpart ZZZZ apply to this source group. Category 9 of Table 6 applies. Tables 1a, 1b, 2b, and 2d do not apply to this source group.]

(b) - (e) [Paragraphs (b) through (e) are printed under REPORTING REQUIREMENTS in this section of the permit.]

(f) If you own or operate an emergency stationary RICE, you must operate the emergency stationary RICE according to the requirements in paragraphs (f)(1) through (4) of this section. In order for the engine to be considered an emergency stationary RICE under this subpart, any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (f)(1) through (4), is prohibited. If you do not operate the engine according to the requirements in paragraphs (f)(1) through (4), the engine will not be considered an emergency engine under this subpart and must meet all requirements for non-emergency engines.

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

(2) You may operate your emergency stationary RICE for the purpose specified in paragraph (f)(2)(i) of this section for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraphs (f)(3) and (4) of this section counts as part of the 100 hours per calendar year allowed by this paragraph (f)(2).

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

(ii) - (iii) [Reserved]

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

(4) [Not applicable]

[69 FR 33506, June 15, 2004, as amended at 71 FR 20467, Apr. 20, 2006; 73 FR 3606, Jan. 18, 2008; 75 FR 9676, Mar. 3, 2010; 75 FR 51591, Aug. 20, 2010; 78 FR 6704, Jan. 30, 2013; 87 FR 48607, Aug. 10, 2022]

SECTION D. Source Level Requirements

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

 # 004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6625]

Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

What are my monitoring, installation, operation, and maintenance requirements?

The following requirement pertains to the MDF Emergency Generator and the Emergency Fire Water Pump Engine:

(a) - (d) [Not applicable]

(e) If you own or operate any of the following stationary RICE, you must operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions:

(1) [Not applicable];

(2) An existing emergency or black start stationary RICE with a site rating of less than or equal to 500 HP located at a major source of HAP emissions;

(3) - (10) [Not applicable].

(f) If you own or operate an existing emergency stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions or an existing emergency stationary RICE located at an area source of HAP emissions, you must install a non-resettable hour meter if one is not already installed.

(g) [Not applicable]

(h) If you operate a new, reconstructed, or existing stationary engine, you must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the emission standards applicable to all times other than startup in Tables 1a, 2a, 2c, and 2d to this subpart apply. [Tables 1a, 2a, 2d do not apply to the emergency engines of this source; Categories 1 and 6 of Table 2c apply.]

(i) If you own or operate a stationary CI engine that is subject to the work, operation or management practices in item 1 of Table 2c to this subpart, you have the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Table 2c to this subpart. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c to this subpart. The analysis program must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 business days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine. [Non-applicable text is omitted from this paragraph.]

(j) [Non-applicable because Table 2d applies to Area sources of HAPs; this facility has potential HAP emissions greater than the major source thresholds.]

SECTION D. Source Level Requirements

[69 FR 33506, June 15, 2004, as amended at 73 FR 3606, Jan. 18, 2008; 75 FR 9676, Mar. 3, 2010; 75 FR 51589, Aug. 20, 2010; 76 FR 12866, Mar. 9, 2011; 78 FR 6700, Jan. 30, 2013]

IV. RECORDKEEPING REQUIREMENTS.

 # 005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6655]

Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

What records must I keep?

The following requirement pertains to the MDF Emergency Generator and the Emergency Fire Water Pump Engine:

(a) If you must comply with the emission and operating limitations, you must keep the records described in paragraphs (a)(1) through (a)(5), (b)(1) through (b)(3) and (c) of this section.

(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 requirement in §63.10(b)(2)(xiv).

(2) Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment.

(3) [Not applicable]

(4) [Not applicable]

(5) Records of actions taken during periods of malfunction to minimize emissions in accordance with §63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.

(b) - (c) [Not applicable]

(d) You must keep the records required in Table 6 of this subpart to show continuous compliance with each emission or operating limitation that applies to you.

(e) You must keep records of the maintenance conducted on the stationary RICE in order to demonstrate that you operated and maintained the stationary RICE and after-treatment control device (if any) according to your own maintenance plan if you own or operate any of the following stationary RICE;

(1) Not applicable.

(2) An existing stationary emergency RICE.

(3) [Not applicable.]

(f) If you own or operate any of the stationary RICE in paragraphs (f)(1) through (2) of this section, you must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The owner or operator must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. If the engine is used for the purpose specified in § 63.6640(f)(4)(ii), the owner or operator must keep records of the notification of the emergency situation, and the date, start time, and end time of engine operation for these purposes.

(1) An existing emergency stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions that does not meet the standards applicable to non-emergency engines.

(2) [Not applicable]

SECTION D. Source Level Requirements

[69 FR 33506, June 15, 2004, as amended at 75 FR 9678, Mar. 3, 2010; 75 FR 51592, Aug. 20, 2010; 78 FR 6706, Jan. 30, 2013; 87 FR 48607, Aug. 10, 2022]

 # 006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6660]

Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

In what form and how long must I keep my records?

The following requirement pertains to the MDF Emergency Generator and the Emergency Fire Water Pump Engine:

(a) Your records must be in a form suitable and readily available for expeditious review according to §63.10(b)(1).

(b) As specified in §63.10(b)(1), you must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.

(c) You must keep each record readily accessible in hard copy or electronic form for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to §63.10(b)(1).

[69 FR 33506, June 15, 2004, as amended at 75 FR 9678, Mar. 3, 2010]

V. REPORTING REQUIREMENTS.

 # 007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63 Subpart ZZZZ Table 8]

Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

Table 8 to Subpart ZZZZ of Part 63.-- Applicability of General Provisions to Subpart ZZZZ

[Refer to regulation for Table 8 to 40 CFR Part 63 Subpart ZZZZ. A copy of the table is available at this web address: https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-63/subpart-ZZZZ/appendix-Table%208%20to%20Subpart%20ZZZZ%20of%20Part%2063]

[75 FR 9688, Mar. 3, 2010, as amended at 78 FR 6720, Jan. 30, 2013; 85 FR 73912, Nov. 19, 2020]

 # 008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6640]

Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

How do I demonstrate continuous compliance with the emission limitations, operating limitations, and other requirements?

The following requirement pertains to the MDF Emergency Generator and the Emergency Fire Water Pump Engine:

(a) [Paragraph (a) is printed under RESTRICTIONS in this section of the permit.]

(b) You must report each instance in which you did not meet each emission limitation or operating limitation in Tables 1a and 1b, Tables 2a and 2b, Table 2c, and Table 2d to this subpart that apply to you. These instances are deviations from the emission and operating limitations in this subpart. These deviations must be reported according to the requirements in §63.6650. [Text from the regulation which is not applicable is omitted from this paragraph in the TV permit.]

(c) - (d) [Not applicable]

(e) You must also report each instance in which you did not meet the requirements in Table 8 to this subpart that apply to you. [Text from the regulation which is not applicable is omitted from this paragraph in the TV permit.]

(f) [Paragraph (f) is printed under RESTRICTIONS in this section of the permit.]

[69 FR 33506, June 15, 2004, as amended at 71 FR 20467, Apr. 20, 2006; 73 FR 3606, Jan. 18, 2008; 75 FR 9676, Mar. 3, 2010; 75 FR 51591, Aug. 20, 2010; 78 FR 6704, Jan. 30, 2013; 87 FR 48607, Aug. 10, 2022]

SECTION D. Source Level Requirements

 # 009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6645]

Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

What notifications must I submit and when?

(a) You must submit all of the notifications in §§63.7(b) and (c), 63.8(e), (f)(4) and (f)(6), 63.9(b) through (e), and (g) and (h) that apply to you by the dates specified if you own or operate any of the following;

(1) An existing stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions.

(2) [Not applicable]

(3) A stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions.

(4) A new or reconstructed 4SLB stationary RICE with a site rating of greater than or equal to 250 HP located at a major source of HAP emissions.

(5) This requirement does not apply if you own or operate an existing stationary RICE less than 100 HP, an existing stationary emergency RICE, or an existing stationary RICE that is not subject to any numerical emission standards.

(b) As specified in § 63.9(b)(2), if you start up your stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions before the effective date of this subpart, you must submit an Initial Notification not later than December 13, 2004, or no later than 120 days after the source becomes subject to this subpart, whichever is later.

(c) If you start up your new or reconstructed stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions on or after August 16, 2004, you must submit an Initial Notification not later than 120 days after you become subject to this subpart.

(d) - (e) [Paragraphs (d) and (e) are not applicable.]

(f) If you are required to submit an Initial Notification but are otherwise not affected by the requirements of this subpart, in accordance with §63.6590(b), your notification should include the information in §63.9(b)(2)(i) through (v), and a statement that your stationary RICE has no additional requirements and explain the basis of the exclusion (for example, that it operates exclusively as an emergency stationary RICE if it has a site rating of more than 500 brake HP located at a major source of HAP emissions).

(g) - (i) [Not applicable]

[73 FR 3606, Jan. 18, 2008, as amended at 75 FR 9677, Mar. 3, 2010; 75 FR 51591, Aug. 20, 2010; 78 FR 6705, Jan. 30, 2013; 85 FR 73912, Nov. 19, 2020]

VI. WORK PRACTICE REQUIREMENTS.

 # 010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63 Subpart ZZZZ Table 2c]

Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

Requirements for Existing Compression Ignition Stationary RICE Located at a Major Source of HAP Emissions and Existing Spark Ignition Stationary RICE < or = 500 HP Located at a Major Source of HAP Emissions

Table 2c to Subpart ZZZZ of Part 63 -- Requirements for Existing Compression Ignition Stationary RICE Located at a Major Source of HAP Emissions and Existing Spark Ignition Stationary RICE <=500 HP Located at a Major Source of HAP Emissions

As stated in §§63.6600, 63.6602, and 63.6640, you must comply with the following requirements for existing compression ignition stationary RICE located at a major source of HAP emissions and existing spark ignition stationary RICE <=500 HP located at a major source of HAP emissions:

SECTION D. Source Level Requirements

[Category 1 of Table 2c to 40 CFR Part 63 Subpart ZZZZ is applicable.]

Category 1:

For each Emergency stationary CI RICE and black start stationary CI RICE. (See note 1),
You must meet the following requirement, except during periods of startup . . .

a. Change oil and filter every 500 hours of operation or annually, whichever comes first; (See note 2.)

b. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary;

c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary. (See note 3.)

During periods of startup you must Minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply." (See note 3.)

During periods of startup you must Minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply. (See note 3.)

Note 1: If an emergency engine is operating during an emergency and it is not possible to shut down the engine in order to perform the work practice requirements on the schedule required in Table 2c of this subpart, or if performing the work practice on the required schedule would otherwise pose an unacceptable risk under Federal, State, or local law, the work practice can be delayed until the emergency is over or the unacceptable risk under Federal, State, or local law has abated. The work practice should be performed as soon as practicable after the emergency has ended or the unacceptable risk under Federal, State, or local law has abated. Sources must report any failure to perform the work practice on the schedule required and the Federal, State or local law under which the risk was deemed unacceptable.

Note 2: Sources have the option to utilize an oil analysis program as described in §63.6625(i) or (j) in order to extend the specified oil change requirement in Table 2c of this subpart.

Note 3: Sources can petition the Administrator pursuant to the requirements of 40 CFR 63.6(g) for alternative work practices.

[78 FR 6708, Jan. 30, 2013, as amended at 78 FR 14457, Mar. 6, 2013]

 # 011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63 Subpart ZZZZ Table 6]

Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

Table 6 to Subpart ZZZZ of Part 63.-- Continuous Compliance With Emission Limitations and Operating Limitations

Table 6 to Subpart ZZZZ of Part 63 -- Continuous Compliance with Emission Limitations, Operating Limitations, Work Practices, and Management Practices

As stated in §63.6640, you must continuously comply with the emissions and operating limitations and work or management practices as required by the following:

[Category 9 of Table 6 applies:]

For each Existing emergency and black start stationary RICE <=500 HP located at a major source of HAP, Complying with the requirement of Work or Management practices, You must demonstrate continuous compliance by . . . .

i. Operating and maintaining the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions; or

ii. Develop and follow your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

[All other categories of Table 6 are not applicable to these RICE.]

SECTION D. Source Level Requirements

[78 FR 6715, Jan. 30, 2013]

 # 012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6602]

Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

What emission limitations must I meet if I own or operate an existing stationary RICE with a site rating of equal to or less than 500 brake HP located at a major source of HAP emissions?

The following requirement pertains to the MDF Emergency Generator and the Emergency Fire Water Pump Engine:

If you own or operate an existing stationary RICE with a site rating of equal to or less than 500 brake HP located at a major source of HAP emissions, you must comply with the other requirements in Table 2c to this subpart which apply to you. [Non-applicable text from regulation is omitted from this paragraph.]

[78 FR 6701, Jan. 30, 2013]

 # 013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6605]

Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

What are my general requirements for complying with this subpart?

The following requirement pertains to the MDF Emergency Generator and the Emergency Fire Water Pump Engine:

(a) You must be in compliance with the emission limitations, operating limitations, and other requirements in this subpart that apply to you at all times.

(b) At all times you must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require you to make any further efforts to reduce emissions if levels required by this standard have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

[75 FR 9675, Mar. 3, 2010, as amended at 78 FR 6702, Jan. 30, 2013]

VII. ADDITIONAL REQUIREMENTS.

 # 014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6665]

Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

What parts of the General Provisions apply to me?

Table 8 to this subpart shows which parts of the General Provisions in §§63.1 through 63.15 apply to you.

If you own or operate a new or reconstructed stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions (except new or reconstructed 4SLB engines greater than or equal to 250 and less than or equal to 500 brake HP) or any of the following RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, you do not need to comply with any of the requirements of the General Provisions specified in Table 8: An existing 2SLB stationary RICE, an existing 4SLB stationary RICE, an existing emergency stationary RICE, or an existing limited use stationary RICE. If you own or operate any of the following RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, you do not need to comply with the requirements in the General Provisions specified in Table 8 except for the initial notification requirements: A new emergency stationary RICE or a new limited use stationary RICE.

[Non-applicable language from the regulation pertaining to Area Sources and Landfill or Digester gas is omitted from this paragraph.]

SECTION D. Source Level Requirements

[75 FR 9678, Mar. 3, 2010]

 # 015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6675]

Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

What definitions apply to this subpart?

Terms used in this subpart are defined in the Clean Air Act (CAA); in 40 CFR 63.2, the General Provisions of this part; and in this section as follows:

[Selected definitions are printed below. Refer to regulation for remaining definitions of 40 CFR § 63.6675.]

Deviation means any instance in which an affected source subject to this subpart, or an owner or operator of such a source:

(1) Fails to meet any requirement or obligation established by this subpart, including but not limited to any emission limitation or operating limitation;

(2) Fails to meet any term or condition that is adopted to implement an applicable requirement in this subpart and that is included in the operating permit for any affected source required to obtain such a permit; or

(3) Fails to meet any emission limitation or operating limitation in this subpart during malfunction, regardless or whether or not such failure is permitted by this subpart.

(4) Fails to satisfy the general duty to minimize emissions established by §63.6(e)(1)(i).

Emergency stationary RICE means any stationary reciprocating internal combustion engine that meets all of the criteria in paragraphs (1) through (3) of this definition. All emergency stationary RICE must comply with the requirements specified in § 63.6640(f) in order to be considered emergency stationary RICE. If the engine does not comply with the requirements specified in § 63.6640(f), then it is not considered to be an emergency stationary RICE under this subpart.

(1) The stationary RICE is operated to provide electrical power or mechanical work during an emergency situation. Examples include stationary RICE used to produce power for critical networks or equipment (including power supplied to portions of a facility) when electric power from the local utility (or the normal power source, if the facility runs on its own power production) is interrupted, or stationary RICE used to pump water in the case of fire or flood, etc.

(2) The stationary RICE is operated under limited circumstances for situations not included in paragraph (1) of this definition, as specified in § 63.6640(f).

(3) The stationary RICE operates as part of a financial arrangement with another entity in situations not included in paragraph (1) of this definition only as allowed in § 63.6640(f)(4)(i) or (ii).

Limited use stationary RICE means any stationary RICE that operates less than 100 hours per year.

Malfunction means 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 which causes, or has the potential to cause, the emission limitations in an applicable standard to be exceeded. Failures that are caused in part by poor maintenance or careless operation are not malfunctions.

Subpart means 40 CFR part 63, subpart ZZZZ.

[69 FR 33506, June 15, 2004, as amended at 71 FR 20467, Apr. 20, 2006; 73 FR 3607, Jan. 18, 2008; 75 FR 9679, Mar. 3, 2010; 75 FR 51592, Aug. 20, 2010; 76 FR 12867, Mar. 9, 2011; 78 FR 6706, Jan. 30, 2013; 87 FR 48608, Aug. 10, 2022]

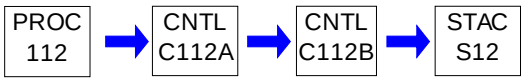
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 112 Source Name: SYSTEM 7 (SAWING & VALUE ADDED)

Source Capacity/Throughput: 24,210.000 Sq Ft/HR ON A 3/4" BASIS

Conditions for this source occur in the following groups: 01 - PM LIMIT PROCESS
04 - CYCLONE BAGHOUSE CAM PLAN
10 - COMPOSITE WOOD PRODUCTS MACT



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The emissions from System 7 (Sawing & Value Added) exhausting from Stack S12 shall not exceed:

(a) PM: 0.10 lbs/hr
(b) PM-10: 0.42 tons/yr as a twelve-month rolling average

[From Plan Approval 42-158P]

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

SECTION D. Source Level Requirements

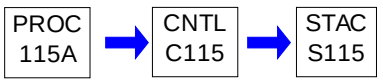
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 115A Source Name: BOARD BREAKER

Source Capacity/Throughput: 967.350 Lbs/HR BOARDS

Conditions for this source occur in the following groups: 01 - PM LIMIT PROCESS
03 - BAGHOUSE CAM PLAN
10 - COMPOSITE WOOD PRODUCTS MACT
11 - STACK TESTING



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The emissions from the board breaker exhausting from Stack S115 shall not exceed:

(a) PM: 0.97 lbs/hr
(b) PM-10: 4.22 tons/yr as a twelve-month rolling average

[Plan Approval 42-158P]

II. TESTING REQUIREMENTS.

 # 002 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The owner or operator shall perform PM and PM-10 emission tests every 3 years to determine compliance with the emissions limitations for this source.

(b) EPA Method 202 and either EPA Method 201A or Method 5 shall be used to determine compliance with the PM-10 emission limit in this plan approval.

[From Plan Approval 42-158P]

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).

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.

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

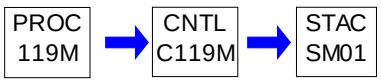
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 119M Source Name: MDF CHIP STORAGE

Source Capacity/Throughput: 24,210.000 Sq Ft/HR ON A 3/4" BASIS

Conditions for this source occur in the following groups: 01 - PM LIMIT PROCESS
03 - BAGHOUSE CAM PLAN



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The emissions from MDF Chip Storage exhausting from Stack SM01 shall not exceed:

(a) PM: 0.34 lbs/hr
(b) PM-10: 1.47 tons/yr as a twelve-month rolling average

[From Plan Approval 42-158P]

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

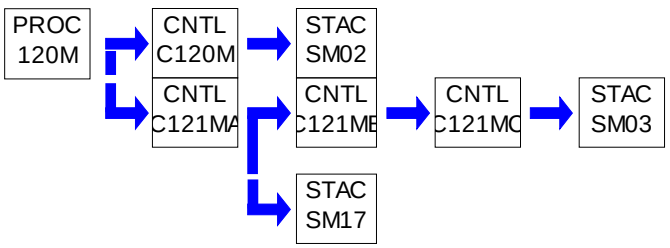
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 120M Source Name: MDF REFINER

Source Capacity/Throughput: 24,210.000 Sq Ft/HR ON A 3/4" BASIS

Conditions for this source occur in the following groups: 01 - PM LIMIT PROCESS
05 - PAL 42-158Q
07 - RACT II & RACT III - DRYER SYSTEMS
09 - SM03 - RTO STACK
10 - COMPOSITE WOOD PRODUCTS MACT
11 - STACK TESTING



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The emissions from the Refiner Start-Up Cyclone (C120M) shall be measured at the stack (SM02) and shall not exceed the following:

• PM: 2.0 lbs/hr

[Plan Approval 42-158P]

 # 002 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The emissions from the MDF Dryer Abort Stack for the WESP exhaust (SM17) shall not exceed the following:

(1) CO: 1.95 tpy based on a consecutive 12-month period

(2) NOx: 2.32 tpy based on a consecutive 12-month period

(3) SOx: 0.014 tpy based on a consecutive 12-month period

[From Plan Approval 42-158R]

(b) The emissions from the MDF First Stage Dryer RTO Stack (SM03) shall not exceed the following:

• MDI (Diphenylmethane diisocyanate): 0.18 tpy based on a consecutive 12-month period

[From Plan Approval 42-158R]

(c) The emissions from the MDF Startup Cyclone (C120M) shall be measured at stack SM02 and shall not exceed the following:

(1) FPM: 0.5 tpy based on a consecutive 12-month period

(2) PM10: 0.25 tpy based on a consecutive 12-month period

SECTION D. Source Level Requirements

(3) PM2.5: 0.05 tpy based on a consecutive 12-month period

(4) [Reserved]

(5) VOC: 0.15 tpy based on a consecutive 12-month period

[From Plan Approval 42-158R]

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

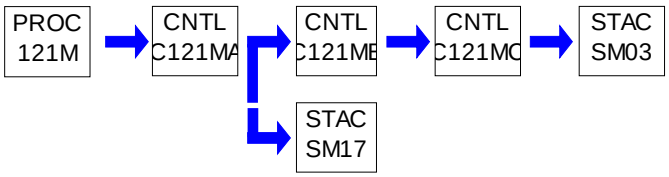
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 121M Source Name: MDF FIRST STAGE WESTEC FIBER DRYER

Source Capacity/Throughput: 36.300 Tons/HR ODT/HR, FIBER

Conditions for this source occur in the following groups: 05 - PAL 42-158Q
07 - RACT II & RACT III - DRYER SYSTEMS
09 - SM03 - RTO STACK
10 - COMPOSITE WOOD PRODUCTS MACT
11 - STACK TESTING



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The emissions from the MDF Dryer Abort Stack for the WESP exhaust (SM17) shall not exceed the following:

(1) CO: 1.95 tpy based on a consecutive 12-month period

(2) NOx: 2.32 tpy based on a consecutive 12-month period

(3) SOx: 0.014 tpy based on a consecutive 12-month period

[From Plan Approval 42-158R]

(b) The emissions from the MDF First Stage Dryer RTO Stack (SM03) shall not exceed the following:

• MDI (Diphenylmethane diisocyanate): 0.18 tpy based on a consecutive 12-month period

[From Plan Approval 42-158R]

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.

 # 002 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The facility shall monitor the damper to the abort stack on a continuous basis.

[From Plan Approval Number 42-158J, Section D, Condition #004]

 # 003 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) When the drying process is operating with the RTO, the combustion chamber operating temperature shall not fall below 1,500 ºF, as averaged over a 3-hour block period. The 3-hour average shall be calculated by averaging all valid 15-minute averages during the 3-hour period. If the permittee wishes to modify the minimum RTO temperature, the permittee must

receive approval from the Department prior to conducting emission testing to demonstrate compliance at a lower temperature.

(b) The facility shall install, maintain and operate a continuous strip chart recorder and/or the Wonderware plant Software for the minimum RTO temperatures. Records of the temperature shall be maintained by the facility for at least 5 years and made available to the Department upon request.

[From Plan Approval Number 42-158I, Section D, Source 121M, Condition #003. Also from plan approvals 42-158L, 42-158M, & 42-158P]

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

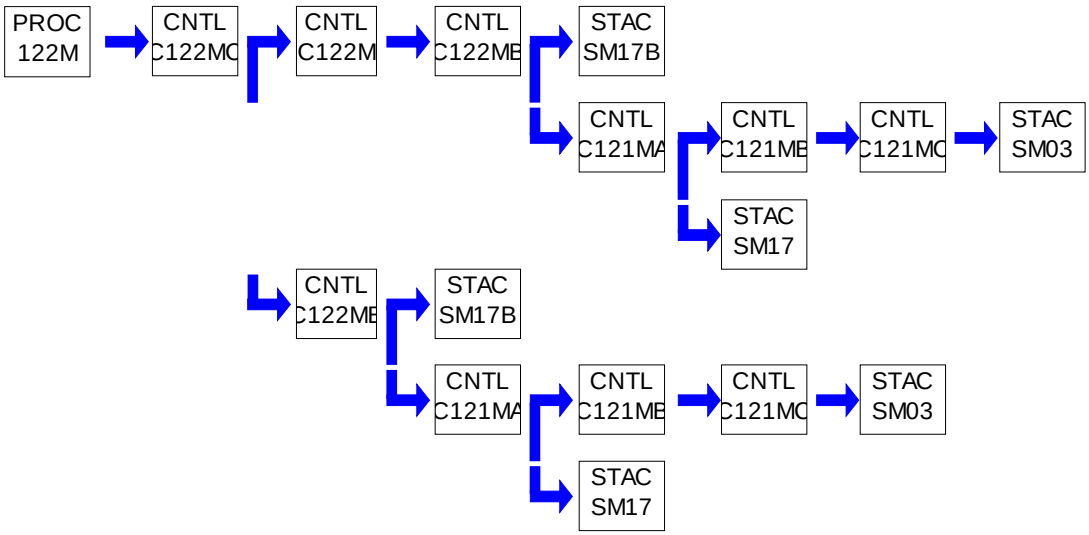
*** Permit Shield in Effect. ***

SECTION D. Source Level Requirements

Source ID: 122M Source Name: MDF SECOND STAGE FIBER DRYER

Source Capacity/Throughput: 36.300 Tons/HR ODT/HR, FIBER

Conditions for this source occur in the following groups: 05 - PAL 42-158Q
07 - RACT II & RACT III - DRYER SYSTEMS
09 - SM03 - RTO STACK
10 - COMPOSITE WOOD PRODUCTS MACT
11 - STACK TESTING



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The emissions from the MDF Dryer Abort Stack for the WESP exhaust (SM17) shall not exceed the following:

(1) CO: 1.95 tpy based on a consecutive 12-month period

(2) NOx: 2.32 tpy based on a consecutive 12-month period

(3) SOx: 0.014 tpy based on a consecutive 12-month period

[From Plan Approval 42-158R]

(b) The emissions from the MDF First Stage Dryer RTO Stack (SM03) shall not exceed the following:

• MDI (Diphenylmethane diisocyanate): 0.18 tpy based on a consecutive 12-month period

[From Plan Approval 42-158R]

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).

SECTION D. Source Level 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) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

 # 002 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The facility shall keep a record of the following when the emergency abort gate (SM17B) has been used:

(a) Date the emergency abort gate was used;
(b) The reason for the use of the emergency abort gate;
(c) The duration of the emergency abort stack usage;
(d) The flow rate sent to the emergency abort stack;
(e) The amount of pollutants emitted during the usage.

[From Plan approval 42-158L, Section D, Source 122M. Also from plan approval 42-158M and 42-158P. This condition was revised at the 2024 TV permit renewal to reflect that the abort stack was changed from SM17A to SM17B.]

V. REPORTING REQUIREMENTS.

 # 003 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The permittee shall report the following in the facility semi-annual compliance certification:

(a) Date the emergency abort gate (SM17B) was used;
(b) The reason for the use of the emergency abort gate;
(c) The duration of the emergency abort stack usage;
(d) The flow rate sent to the emergency abort stack;
(e) The amount of pollutants emitted during the usage.

[From Plan approval 42-158L, Section D, Source 122M. Also from plan approval 42-158M and 42-158P. This condition was revised at the 2024 TV permit renewal to reflect that the abort stack was changed from SM17A to SM17B.]

VI. WORK PRACTICE REQUIREMENTS.

 # 004 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The emergency abort gate (SM17B) shall only be used during an emergency and/or startup, shutdown and malfunction.

[From Plan approval 42-158L, Section D, Source 122M. Also from plan approval 42-158M and 42-158P. This condition was revised at the 2024 TV permit renewal to reflect that the abort stack was changed from SM17A to SM17B.]

VII. ADDITIONAL REQUIREMENTS.

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

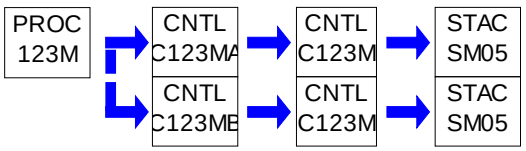
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 123M Source Name: MDF SYSTEM 6, 7, & 8 - MAT REJECT

Source Capacity/Throughput: 24,210.000 Sq Ft/HR ON A 3/4" BASIS

Conditions for this source occur in the following groups: 01 - PM LIMIT PROCESS
04 - CYCLONE BAGHOUSE CAM PLAN
06 - PRESUMPTIVE RACT III
10 - COMPOSITE WOOD PRODUCTS MACT



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The emissions from MDF System 6, 7, & 8 -Mat Reject exhausting from Stack SM05 shall not exceed:

(a) PM: 0.33 lbs/hr

(b) PM-10: 1.43 tons/yr as a twelve-month rolling average

[From Plan Approval 42-158P & TVOP Application letter 11/15/16]

 # 002 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The emissions from the MDF Material Reject Stack (SM05) shall not exceed the following:

- VOC: 2.69 tpy based on a consecutive 12-month period

[From Plan Approval 42-158R]

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).

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.

 # 003 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) During normal operations, the processed fiber shall flow to the fiber bin. At all other times, the processed fiber shall flow to the fiber bunker.

(b) The exhaust air from the cyclones shall continue to be controlled by the system 8 baghouse (C123M).

[From Plan Approval Number 42-158J, Section D, Condition #001]

 # 004 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The facility shall take all necessary steps to ensure fugitive emissions from the fiber bunker are minimized.

[From Plan Approval Number 42-158J, Section D, Condition #002]

VII. ADDITIONAL REQUIREMENTS.

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

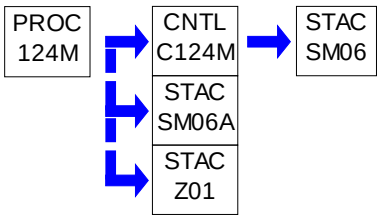
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 124M Source Name: MDF PRESS & UNLOADER

Source Capacity/Throughput: 24,210.000 Sq Ft/HR ON A 3/4" BASIS

Conditions for this source occur in the following groups: 01 - PM LIMIT PROCESS
05 - PAL 42-158Q
08 - RACT II & RACT III FOR SOURCE 124M
10 - COMPOSITE WOOD PRODUCTS MACT
11 - STACK TESTING



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The fugitive emissions shall not exceed the following:

(a) VOC: 2.87 tpy based on a 12-month rolling total
(b) FPM: 1.8 tpy based on a 12-month rolling total
(c) PM10: 1.21 tpy based on a 12-month rolling total
(d) PM2.5: 1.21 tpy based on a 12-month rolling total

[From Plan Approval 42-158R]

 # 002 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Emissions from the Press Operations-Press Vent, Unloader Vent and TCO through the Emergency Abort stack SM06A shall not exceed:

(a) PM-10 0.44 tons/year as a twelve-month rolling total
(b) VOC 69.32 lbs/hr and 1.52 tons/year as a twelve-month rolling total

[From Plan Approval 42-158P]

 # 003 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Emissions from the Press Operations - Press Vent, Unloader Vent and TCO through the stack SM06 shall not exceed:

(a) PM: 3.04 lbs/hr
(b) PM-10: 13.30 tons/year as a twelve-month rolling total
(c) CO: 1.11 lbs/hr and 4.84 tons/year as a twelve-month rolling total

[From Plan Approval 42-158P. The VOC emission restrictions of 6.93 lbs/hr and 30.36 tons/year from plan approval 42-158P are streamlined out of this section of the permit in favor of the equally restrictive RACTIII and RACTII VOC emission restrictions from plan approval 42-158R which are printed in Section E of the permit for this source]

SECTION D. Source Level Requirements

 # 004 [25 Pa. Code §127.12b]
Plan approval terms and conditions.

Total emissions of polymeric and non-polymeric diphenylmethane diisocyanate (MDI / pMDI) from this process shall not exceed 0.1 ton per year, calculated as a 12-month rolling total.

[From Plan Approval 42-158P]

II. TESTING REQUIREMENTS.

 # 005 [25 Pa. Code §127.12b]
Plan approval terms and conditions.

(a) The owner or operator shall perform PM and PM-10 emission tests every 3 years thereafter to determine compliance with the emissions limitations in this permit.

(b) EPA Method 202 and either EPA Method 201A or Method 5 shall be used to determine compliance with the PM-10 emission limit in this plan approval.

[From Plan approval 42-158P]

 # 006 [25 Pa. Code §127.12b]
Plan approval terms and conditions.

(a) No later than 120 days after any switch in mode of operation (TCO to RTO or RTO to TCO), the permittee shall perform stack testing for VOC to determine compliance with the emission limits of this permit. Stack testing shall be performed according to 25 Pa. Code, Chapter 139, and the testing provisions of this Plan Approval.

(b) In the event stack testing cannot feasibly be performed within 120 days, the permittee may petition the Department for an extension of this deadline, no later than 30 days prior to the end of the 120-day period.

[From Plan Approval 42-158P]

III. MONITORING REQUIREMENTS.

 # 007 [25 Pa. Code §127.12b]
Plan approval terms and conditions.

The permittee shall monitor the consumption of pMDI resin on a daily basis.

[From Plan approval 42-158P]

 # 008 [25 Pa. Code §127.12b]
Plan approval terms and conditions.

(a) The facility shall install, maintain and operate a continuous strip chart recorder and/or the Wonderware plant Software for the minimum TCO temperatures. Records of the temperature shall be maintained by the facility for at least 5 years and made available to the Department upon request.

(b) When the press/unloader system is operating with the TCO, the combustion chamber operating temperature shall not fall below 800 ºF, as averaged over a 3-hour block period. The 3-hour average shall be calculated by averaging all valid 15-minute averages during the 3-hour period.

(c) If the permittee wishes to modify the minimum RTO temperature, the permittee must receive approval from the Department prior to conducting emission testing to demonstrate compliance at a lower temperature.

[From Plan Approval Number 42-158I, Section D, Condition #003.]

SECTION D. Source Level Requirements

IV. RECORDKEEPING REQUIREMENTS.

 # 009 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The facility shall keep a record of the following when the emergency abort gate (SM06A) has been used:

(a) Date the emergency abort gate was used;
(b) The reason for the use of the emergency abort gate;
(c) The duration of the emergency abort stack usage; and
(d) The flow rate sent to the emergency abort stack.

[From Plan approval 42-158P]

 # 010 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The permittee shall maintain monthly records of MDI / pMDI emissions from this source, in order to demonstrate compliance with the emission limits of this Plan Approval.

[From Plan approval 42-158P]

V. REPORTING REQUIREMENTS.

 # 011 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The permittee shall report the following in the facility semi-annual compliance certification:

(a) Date the emergency abort gate (SM06A) was used;
(b) The reason for the use of the emergency abort gate;
(c) The duration of the emergency abort stack usage;
(d) The flow rate sent to the emergency abort stack; and
(e) The amount of pollutants emitted during the usage.

[From Plan approval 42-158P]

 # 012 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The permittee shall notify the Department in writing, no later than 10 days following any switch in mode of operation, from TCO to RTO, or RTO to TCO.

[From Plan Approval 42-158P]

VI. WORK PRACTICE REQUIREMENTS.

 # 013 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The control device associated with this source (C124M) may be operated as a Thermal Catalytic Oxidizer (TCO) or as a Regenerative Thermal Oxidizer (RTO).

[From Plan Approval 42-158P]

 # 014 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The emergency abort gate (SM06A) shall only be used during an emergency and/or startup, shutdown and malfunction.

(b) The emergency abort gate (SM06A) shall be used a maximum of 43.8 hours but shall not exceed 0.5 percent of annual operating uptime.

[From Plan Approval 42-158P. This condition assures compliance with 40 CFR § 63.2251.]

SECTION D. Source Level Requirements

VII. ADDITIONAL REQUIREMENTS.

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

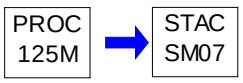
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 125M Source Name: MDF BOARD COOLER

Source Capacity/Throughput: 24,210.000 Sq Ft/HR ON A 3/4" BASIS

Conditions for this source occur in the following groups: 01 - PM LIMIT PROCESS
06 - PRESUMPTIVE RACT III
10 - COMPOSITE WOOD PRODUCTS MACT
11 - STACK TESTING



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Emissions from the Press Operations-Board Cooler shall not exceed:

- PM: 1.31 lbs/hr

[From Plan Approval 42-158P & TVOP Application letter 11/15/16]

 # 002 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The emissions from the MDF Board Cooler stack SM07 shall not exceed the following:

(a) FPM: 1.05 tpy based on a consecutive 12-month period

(b) PM10: 2.78 tpy based on a consecutive 12-month period

(c) PM2.5: 2.23 tpy based on a consecutive 12-month period

(d) VOC: 0.61 lb./hr

(e) VOC: 2.65 tpy based on a consecutive 12-month period

[From Plan Approval 42-158R]

II. TESTING REQUIREMENTS.

 # 003 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The owner or operator shall perform VOC, PM and PM-10 emission tests every 3 years thereafter to determine compliance with the emissions limitations in this permit.

(b) EPA Method 202 and either EPA Method 201A or Method 5 shall be used to determine compliance with the PM-10 emission limit in this plan approval.

[From plan approvals 42-158L and 42-158P]

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.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

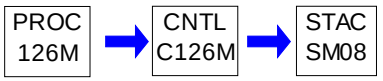
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 126M Source Name: MDF SYSTEM 3 - SANDER DUST SILO

Source Capacity/Throughput: 24,210.000 Sq Ft/HR ON A 3/4" BASIS

Conditions for this source occur in the following groups: 01 - PM LIMIT PROCESS
03 - BAGHOUSE CAM PLAN
10 - COMPOSITE WOOD PRODUCTS MACT



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The emissions from the MDF System 3-Sander Dust Silo to Stack SM08 shall not exceed:

(a) PM: 0.52 lbs/hr

(b) PM-10: 2.27 tons/yr as a 12-month rolling total

[From Plan Approval 42-158P]

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

SECTION D. Source Level Requirements

VII. ADDITIONAL REQUIREMENTS.

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

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

SECTION D. Source Level Requirements

Source ID: 127M Source Name: MDF SYSTEM 4 - SAW TRIM SILO

Source Capacity/Throughput: 24,210.000 Sq Ft/HR ON A 3/4" BASIS

Conditions for this source occur in the following groups: 01 - PM LIMIT PROCESS
03 - BAGHOUSE CAM PLAN
10 - COMPOSITE WOOD PRODUCTS MACT

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The emissions from the MDF System 4 -Saw Trim Silo Baghouse to Stack SM09 shall not exceed:

(a) PM: 0.58 lbs/hr

(b) PM-10: 2.53 tons/yr calculated as a twelve-month rolling total

[From Plan Approval 42-158P]

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

SECTION D. Source Level Requirements

VII. ADDITIONAL REQUIREMENTS.

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

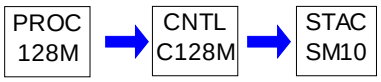
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 128M Source Name: MDF SYSTEM 10 - PRIMARY SANDER

Source Capacity/Throughput: 24,210.000 Sq Ft/HR ON A 3/4" BASIS

Conditions for this source occur in the following groups: 01 - PM LIMIT PROCESS
03 - BAGHOUSE CAM PLAN
06 - PRESUMPTIVE RACT III
10 - COMPOSITE WOOD PRODUCTS MACT
11 - STACK TESTING



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The emissions from the MDF System 10 -Primary Sander Baghouse to Stack SM10 shall not exceed:

(a) PM: 1.89 lbs/hr

(b) PM-10: 8.23 tons/yr based on a twelve-month rolling total

(c) VOC: 0.44 lbs/hr and 1.91 tons/yr as a twelve-month rolling average

[From Plan Approval 42-158P]

II. TESTING REQUIREMENTS.

 # 002 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The owner or operator shall perform PM and PM-10 emission tests every 3 years to determine compliance with the emissions limitations in this permit.

(b) EPA Method 202 and either EPA Method 201A or Method 5 shall be used to determine compliance with the PM-10 emission limit in this plan approval.

[From Plan Approvals 42-158L and 42-158P]

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).

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.

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

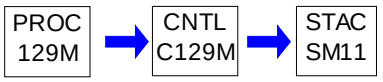
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 129M Source Name: MDF SYSTEM 11 - SECONDARY SANDER

Source Capacity/Throughput: 24,210.000 Sq Ft/HR ON A 3/4" BASIS

Conditions for this source occur in the following groups: 01 - PM LIMIT PROCESS
03 - BAGHOUSE CAM PLAN
06 - PRESUMPTIVE RACT III
10 - COMPOSITE WOOD PRODUCTS MACT
11 - STACK TESTING



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The emissions from the MDF System 11-Secondary Sander Baghouse to Stack SM11 shall not exceed:

(a) PM: 2.04 lbs/hr

(b) PM-10: 8.90 tons/yr based on a twelve-month rolling total

(c) VOC: 0.44 lbs/hr and 1.91 tons/yr as a twelve-month rolling average

[From Plan Approval 42-158P]

II. TESTING REQUIREMENTS.

 # 002 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The owner or operator shall perform PM and PM-10 emission tests every 3 years thereafter to determine compliance with the emissions limitations in this permit.

(b) EPA Method 202 and either EPA Method 201A or Method 5 shall be used to determine compliance with the PM-10 emission limit in this plan approval.

[From Plan Approvals 42-158L and 42-158P]

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).

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.

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

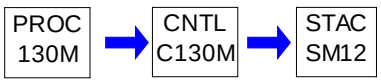
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 130M Source Name: MDF SYSTEM 9 - SAWS

Source Capacity/Throughput: 20,147.000 Sq Ft/HR ON A 3/4" BASIS

Conditions for this source occur in the following groups: 01 - PM LIMIT PROCESS
03 - BAGHOUSE CAM PLAN
10 - COMPOSITE WOOD PRODUCTS MACT
11 - STACK TESTING



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The emissions from the MDF System #9 Saws to Stack SM12 shall not exceed:

(a) PM: 3.52 lbs/hr

(b) PM-10: 15.34 tons/yr based on a twelve-month rolling total

[From Plan Approval 42-158P]

 # 002 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The VOC emissions shall not exceed 0.7 tpy based on a consecutive 12-month period from stack SM12.

(b) Compliance with this limit will be determined using OTM-26 or another Department approved method.

[From Plan Approval 42-158R]

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A copy of OTM-26 is available at this EPA webpage: https://www.epa.gov/emc/emc-other-test-methods

II. TESTING REQUIREMENTS.

 # 003 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The owner or operator shall perform PM and PM-10 emission tests every 3 years thereafter to determine compliance with the emissions limitations in this permit.

(b) EPA Method 202 and either EPA Method 201A or Method 5 shall be used to determine compliance with the PM-10 emission limit in this plan approval.

[From plan approval 42-158P]

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.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

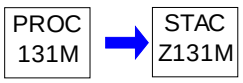
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 131M Source Name: MDF RAW MATERIAL STORAGE TANKS

Source Capacity/Throughput: 29,798.425 Tons/HR RAW MATERIAL

Conditions for this source occur in the following groups: 10 - COMPOSITE WOOD PRODUCTS MACT



I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

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

SECTION D. Source Level Requirements

Source ID: 218M Source Name: LOG CHIPPER WITH ENGINE

Source Capacity/Throughput: 80.000 Tons/HR WOOD

Conditions for this source occur in the following groups: 01 - PM LIMIT PROCESS
05 - PAL 42-158Q

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The emissions from the generator used to run the log chipping operation shall not exceed:

(a) CO: 1.0 g/hp-hr

(b) Total Hydrocarbon (THC): 1.0 gm/bhp-hr.

(c) PM: 0.4 gms/bhp-hr.

[From plan approval 42-158L]

 # 002 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Visible emissions from the exhaust stack of the generator in excess of the limitations specified in 25 Pa. Code §123.41 (relating to limitations) as follows:

(a) Equal to or greater than 20 % for a period or periods aggregating more than 3 minutes in any 1 hour; and

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

[From plan approvals 42-158L, 42-158O]

 # 003 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) NOx emissions from the engine for the log chipper shall be less than 5 tpy based on a consecutive 12-month period.

[From Plan Approval 42-158R]

(b) The NOx emission factor each engine shall not exceed the following:

(1) The 1000 bhp engine: 0.013 #/bhp-hr (5.9 g/bhp-hr)

(2) The 1050 bhp engine: 0.013 #/bhp-hr (5.9 g/bhp-hr)

[From Plan Approval 42-158R]

SECTION D. Source Level Requirements

Fuel Restriction(s).

 # 004 [25 Pa. Code §127.12b]
Plan approval terms and conditions.

The sulfur content in diesel fuel shall not, at any time exceed 0.3 percent (by weight).

[From plan approvals 42-158L, 42-158O]

Operation Hours Restriction(s).

 # 005 [25 Pa. Code §127.12b]
Plan approval terms and conditions.

The hours of operation for the engine shall not exceed the following:

(a) The 1000 bhp engine: 768 hr/yr based on a consecutive 12-month period

(b) The 1050 bhp engine: 731 hr/yr based on a consecutive 12-month period

[From Plan Approval 42-158R]

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.

 # 006 [25 Pa. Code §127.12b]
Plan approval terms and conditions.

(a) The facility must keep a record of the NOx emissions to demonstrate emissions are less than 5 tpy based on a consecutive 12-month period.

(b) The records shall include the hours of operation and the emission factor for the engine.

[From plan approval 42-158R]

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

 # 007 [25 Pa. Code §127.12b]
Plan approval terms and conditions.

The diesel-fired internal combustion engine(s) shall be:

(a) operated in such a manner as not to cause air pollution, as defined in 25 Pa. Code §121.1;
(b) operated and maintained in a manner consistent with good operating and maintenance practices; and
(c) operated and maintained in accordance with the manufacturer's specifications.

[From plan approvals 42-158L, 42-158O] [Compliance with this plan approval condition assures compliance with the RACT

II and RACT III presumptive workpractice requirements of 25 Pa. Code §§ 129.97(c)(1) and 129.112(c)(1).]

VII. ADDITIONAL REQUIREMENTS.

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

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

SECTION E. Source Group Restrictions.

Group Name: 01 - PM LIMIT PROCESS

Group Description: 25 Pa. Code § 123.13 for processes

Sources included in this group

ID	Name
112	SYSTEM 7 (SAWING & VALUE ADDED)
115A	BOARD BREAKER
119M	MDF CHIP STORAGE
120M	MDF REFINER
123M	MDF SYSTEM 6, 7, & 8 - MAT REJECT
124M	MDF PRESS & UNLOADER
125M	MDF BOARD COOLER
126M	MDF SYSTEM 3 - SANDER DUST SILO
127M	MDF SYSTEM 4 - SAW TRIM SILO
128M	MDF SYSTEM 10 - PRIMARY SANDER
129M	MDF SYSTEM 11 - SECONDARY SANDER
130M	MDF SYSTEM 9 - SAWS
218M	LOG CHIPPER WITH ENGINE

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter from this process at any time in such a manner 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).

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: 02 - SOX LIMIT PROCESSES

Group Description: 25 Pa. Code § 123.21 for processes

Sources included in this group

ID	Name
041M	SPACE HEATERS
042M	PRODUCTION AREA HEATERS
051M	EMERGENCY GENERATORS / EMERGENCY FIRE PUMP

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §123.21]

General

No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO2, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

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

SECTION E. Source Group Restrictions.

Group Name: 03 - BAGHOUSE CAM PLAN

Group Description: CAM requirements for affected sources with baghouse only

Sources included in this group

ID	Name
115A	BOARD BREAKER
119M	MDF CHIP STORAGE
126M	MDF SYSTEM 3 - SANDER DUST SILO
127M	MDF SYSTEM 4 - SAW TRIM SILO
128M	MDF SYSTEM 10 - PRIMARY SANDER
129M	MDF SYSTEM 11 - SECONDARY SANDER
130M	MDF SYSTEM 9 - 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.

The following are CAM related requirements.

[Additional authority for parts (a) - (d) of this permit condition is also derived from 40 CFR §64.6 & §64.3]

(a) The permittee shall use the approved process parameter(s) or indicator(s) to obtain data and monitor the emission control equipment performance.

(1) The approved parameter(s) or indicator(s) are:

(i) Pressure drop across the baghouse; and

(ii) Visual inspections of the baghouse.

(b) The permittee shall use the approved mean(s) or device(s) to measure the applicable indicator(s).

(1) The approved measuring device(s) are:

(i) Pressure gauges to measure the pressure drop across the baghouse.

(ii) Method 22 like visual observation. If any emissions are detected by a Method 22-like procedure, the permittee shall take action to identify the cause of the visible emissions and implement corrective action or perform a Method 9 test. The Method 9 test shall be performed within 24-hours, except that the Method 9 test may be performed within 48 hours if emissions are detected on a Saturday, Sunday, or holiday. If a Method 9 test cannot be performed within the specified timeframe, the rationale for testing at a later time shall be documented and these records kept for a period of 5 years. The Department shall be notified, in writing, of any such occurrence immediately.

(c) The permittee shall use the approved frequency for conducting monitoring of indicators.

(1) The approved frequency is pressure drop across the baghouse measured at least once per 24-hour period as a 24-hour average based on continuous readings when in operation. “Continuous readings” means data will be collected at least four times over an hour (i.e., one reading every 15 minutes) per §64.3(b)(4)(ii).

SECTION E. Source Group Restrictions.

(2) The approved frequency is Method 22 like visual observation at least once per week when in operation and if pressure drop is out of range (i.e., alarm triggered).

(d) The permittee shall use the approved period over which discrete data points for approved indicators will be collected and averaged for the purpose of determining an excursion.

(1) The approved period and indicators are:

(i) Pressure drop across the baghouse recorded at least as a 24-hour average based on continuous readings when in operation.

(ii) Method 22 like visual observations at least once per week when in operation and if pressure drop is out of range (i.e., alarm triggered).

[From Plan Approval Number 42-158I, Section E, Baghouse CAM Plan Group, Condition #001 as modified in the 2024 TV permit renewal.]

IV. RECORDKEEPING REQUIREMENTS.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The following are CAM related requirements.

[Additional authority for parts (a) - (d) of this permit condition is also derived from 40 CFR §64.9]

(a) The permittee shall record the approved indicator(s) using approved data collecting device(s).

(1) The approved data collecting device(s) are log entries based on gauge readings.

(2) The approved data collecting device(s) is EPA Method 22 visual observation Field Data Sheets and Method 9 observation sheets.

(b) The permittee shall record all excursions and corrective actions taken in response to an excursion and the time elapsed until the corrective actions have been taken.

(c) The permittee shall record all inspections, repair and maintenance performed on the monitoring equipment.

(d) The permittee shall maintain records of all monitoring downtime incidents (other than downtime associated with zero and span or other daily calibration checks, if applicable). The permittee shall also record the dates, times and durations, possible causes and corrective actions taken for the incidents.

[Additional authority for part (e) of this permit condition is also derived from 40 CFR §70.6(a)(3)(ii)(B)]

(e) The permittee shall keep all records for a period of 5 years and make the records available to the Department upon request.

[From Plan Approval Number 42-158I, Section E, Baghouse CAM Plan Group, Condition #002.]

V. REPORTING REQUIREMENTS.

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The following are CAM related requirements.

[Additional authority for part (a) of this permit condition is also derived from 40 CFR §64.9 & §70.6(a)(3)(iii)(A)]

(a) The permittee shall report all excursions and corrective actions taken, the dates, times, durations and possible causes, every 6 months.

SECTION E. Source Group Restrictions.

[Additional authority for part (b) of this permit condition is also derived from 40 CFR §64.9]

(b) The permittee shall report all monitoring downtime incidents (other than downtime associated with zero and span or other daily calibration checks, if applicable), their dates, times and durations, possible causes and corrective actions taken, every 6 months.

[From Plan Approval Number 42-158I, Section E, Baghouse CAM Plan Group, Condition #003.]

VI. WORK PRACTICE REQUIREMENTS.

 # 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The following are CAM related requirements.

[Additional authority for part (a) of this permit condition is also derived from 40 CFR §64.3 & §64.6]

(a) The permittee shall adhere to the approved range for the selected indicator so that operation within the range shall provide reasonable assurance of compliance. A departure from the specified indicator range over a specified averaging period shall be defined as an excursion.

(1) The approved range for the pressure drop across the baghouse is indicated in the following table:

Baghouse	delta P range
MDF Chip Storage	0.1-4 inches water
MDF System 3	0.1-4 inches water
MDF System 4	0.1-4 inches water
MDF System 10	0.1-4 inches water
MDF System 11	0.1-4 inches water
MDF System 9	0.1-4 inches water
System 13 (Source 115A)	0.1-4 inches water

[Additional authority for parts (b) - (d) of the following permit conditions are also derived from 40 CFR §64.3]

(b) The permittee shall utilize approved QA/QC practices that are adequate to ensure continuing validity of data and proper performance of the devices.

(1) The permittee shall, for an approved device(s), install detectors or sensors at a location approved by the Department for obtaining data that are representative of the monitored indicator.

(i) The differential pressure monitoring equipment shall be installed on the outlet of the baghouse.

(2) The permittee shall develop verification procedures to confirm the operational status of new or modified monitoring equipment prior to commencement of the monitoring process.

(i) The operational status pertains to the first time calibration of new or modified equipment. The permittee may compare the data with any Department approved standardized data. For example, the permittee might compare a pressure gauge at a controlled pressure to that of a pressure standard of a know accuracy.

(3) The permittee shall calibrate and check the accuracy of monitoring equipment taking into account the manufacturer's specifications at approved time intervals.

(i) The approved time intervals for calibration is the pressure drop gauges shall be calibrated and checked for accuracy monthly.

(c) The permittee shall maintain all monitoring equipment and stock parts necessary for routine repairs onsite.

(d) The permittee shall ensure that at least 90% of the monitoring data has been properly and accurately collected.

SECTION E. Source Group Restrictions.

[Additional authority for part (e) of this permit condition is also derived from 40 CFR §64.4]

(e) The permittee shall submit an implementation plan and schedule if the approved monitoring requires the installation, testing or other necessary activities. The schedule for completing installation and beginning operation of the monitoring may not exceed 180 days after the issuance date of the permit.

[From Plan Approval Number 42-158I, Section E, Baghouse CAM Plan Group, Condition #004.]

 # 005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for the following permit conditions are also derived from 40 CFR §64.8]

Quality Improvement Plan (QIP) Requirements

(a) The permittee shall develop and implement a quality improvement plan (QIP) as expeditiously as practicable if any of the following occurs:

(1) Six excursions occur in a six-month reporting period.

(2) The Department determines after review of all reported information that the permittee has not responded acceptably to an excursion.

(b) In general, the QIP plan should be developed within 60 days and the permittee shall provide a copy of the QIP to the Department. Furthermore, the permittee shall notify the Department if the period for completing the improvements contained in the QIP exceeds 180 days from the date on which the need to implement the QIP was determined.

(c) The permittee shall record actions taken to implement a QIP during a reporting period and all related actions including, but not limited to inspections, repairs and maintenance performed on the monitoring equipment.

(d) In accordance with 40 CFR §64.8, the QIP shall include procedures for evaluating the control performance problems. Based on the results of the evaluation procedures, the permittee shall modify the QIP, and provide a copy to the Department, to include procedures for conducting more frequent or improved monitoring in conjunction with one or more of the following:

(1) Improved preventive maintenance practices

(2) Process operation changes

(3) Appropriate improvements to control methods

(4) Other steps appropriate to correct performance.

(e) Following implementation of a QIP, the Department will require reasonable revisions to the QIP if the plan has failed to either:

(1) Address the cause of the control device performance problem.

(2) Provide adequate procedures for correcting control device performance problems in as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.

(f) Implementation of a QIP, shall not excuse the owner or operator of a source from compliance with any existing emission limitation or standard or any existing monitoring, testing, reporting or recordkeeping requirement that may apply under any federal, state, or local laws or any other applicable requirements under the Clean Air Act.

[From Plan Approval Number 42-158I, Section E, Baghouse CAM Plan Group, Condition #004.]

SECTION E. Source Group Restrictions.

VII. ADDITIONAL REQUIREMENTS.

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

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

SECTION E. Source Group Restrictions.

Group Name: 04 - CYCLONE BAGHOUSE CAM PLAN

Group Description: CAM requirements for affected sources with cyclone that exhausts to a baghouse

Sources included in this group

ID	Name
112	SYSTEM 7 (SAWING & VALUE ADDED)
123M	MDF SYSTEM 6, 7, & 8 - MAT REJECT

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 following are CAM related requirements.

[Additional authority for parts (a) - (d) of this permit condition is also derived from 40 CFR §64.6 & §64.3]

(a) The permittee shall use the approved process parameter(s) or indicator(s) to obtain data and monitor the emission control equipment performance.

(1) The approved parameter(s) or indicator(s) are:

(i) Pressure drop across the baghouse
(ii) Visual inspections of the baghouse

(b) The permittee shall use the approved mean(s) or device(s) to measure the applicable indicator(s).

(1) The approved measuring device(s) are:

(i) Pressure gauges to measure the pressure drop across the baghouse.

(ii) Method 22 like visual observation. If any emissions are detected by a Method 22-like procedure, the permittee shall take action to identify the cause of the visible emissions and implement corrective action or perform a Method 9 test. The Method 9 test shall be performed within 24-hours, except that the Method 9 test may be performed within 48 hours if emissions are detected on a Saturday, Sunday, or holiday. If a Method 9 test cannot be performed within the specified timeframe, the rationale for testing at a later time shall be documented and these records kept for a period of 5 years. The Department shall be notified, in writing, of any such occurrence immediately.

(c) The permittee shall use the approved frequency for conducting monitoring of indicators.

(1) The approved frequency is pressure drop across the baghouse measured at least once per 24-hour period as a 24-hour average based on continuous readings when in operation. “Continuous readings” means data will be collected at least four times over an hour (i.e., one reading every 15 minutes) per §64.3(b)(4)(ii).

(2) The approved frequency is Method 22 like visual observation at least once per week when in operation and if pressure drop is out of range (i.e., alarm triggered).

(d) The permittee shall use the approved period over which discrete data points for approved indicators will be collected and averaged for the purpose of determining an excursion.

(1) The approved period and indicators are:

SECTION E. Source Group Restrictions.

(i) Pressure drop across the baghouse recorded at least as a 24-hour average based on continuous readings when in operation.

(ii) Method 22 like visual observations at least once per week when in operation and if pressure drop is out of range (i.e., alarm triggered).

[From Plan Approval Number 42-158I, Section E, Cyclone Baghouse CAM Plan Group, Condition #001 as modified in the 2024 TV permit renewal.]

IV. RECORDKEEPING REQUIREMENTS.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The following are CAM related requirements.

[Additional authority for parts (a) - (d) of this permit condition is also derived from 40 CFR §64.9]

(a) The permittee shall record the approved indicator(s) using approved data collecting device(s).

(1) The approved data collecting device(s) are log entries based on gauge readings.

(2) The approved data collecting device(s) is EPA Method 22 visual observation Field Data Sheets and Method 9 observation sheets.

(b) The permittee shall record all excursions and corrective actions taken in response to an excursion and the time elapsed until the corrective actions have been taken.

(c) The permittee shall record all inspections, repair and maintenance performed on the monitoring equipment.

(d) The permittee shall maintain records of all monitoring downtime incidents (other than downtime associated with zero and span or other daily calibration checks, if applicable). The permittee shall also record the dates, times and durations, possible causes and corrective actions taken for the incidents.

[Additional authority for part (e) of this permit condition is also derived from 40 CFR §70.6(a)(3)(ii)(B)]

(e) The permittee shall keep all records for a period of 5 years and make the records available to the Department upon request.

[From Plan Approval Number 42-158I, Section E, Cyclone Baghouse CAM Plan Group, Condition #002.]

V. REPORTING REQUIREMENTS.

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for part (a) of this permit condition is also derived from 40 CFR §64.9 & §70.6(a)(3)(iii)(A)]

(a) The permittee shall report all excursions and corrective actions taken, the dates, times, durations and possible causes, every 6 months.

[Additional authority for part (b) of this permit condition is also derived from 40 CFR §64.9]

(b) The permittee shall report all monitoring downtime incidents (other than downtime associated with zero and span or other daily calibration checks, if applicable), their dates, times and durations, possible causes and corrective actions taken, every 6 months.

[From Plan Approval Number 42-158I, Section E, Cyclone Baghouse CAM Plan Group, Condition #003.]

SECTION E. Source Group Restrictions.

VI. WORK PRACTICE REQUIREMENTS.

 # 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The following are CAM related requirements.

[Additional authority for part (a) of this permit condition is also derived from 40 CFR §64.3 & §64.6]

(a) The permittee shall adhere to the approved range for the selected indicator so that operation within the range shall provide reasonable assurance of compliance. A departure from the specified indicator range over a specified averaging period shall be defined as an excursion.

(1) The approved range for the pressure drop across the baghouse is indicated in the following table:

Baghouse	delta P range
System 7 Value Added	0.1 to 4 inches water
System 6, 7, 8	0.1 to 4 inches water

[Additional authority for parts (b) - (d) of the following permit conditions are also derived from 40 CFR §64.3]

(b) The permittee shall utilize approved QA/QC practices that are adequate to ensure continuing validity of data and proper performance of the devices.

(1) The permittee shall, for an approved device(s), install detectors or sensors at a location approved by the Department for obtaining data that are representative of the monitored indicator.

(i) The differential pressure monitoring equipment shall be installed on the outlet of the baghouse.

(2) The permittee shall develop verification procedures to confirm the operational status of new or modified monitoring equipment prior to commencement of the monitoring process.

(i) The operational status pertains to the first time calibration of new or modified equipment. The permittee may compare the data with any Department approved standardized data. For example, the permittee might compare a pressure gauge at a controlled pressure to that of a pressure standard of a know accuracy.

(3) The permittee shall calibrate and check the accuracy of monitoring equipment taking into account the manufacturer's specifications at approved time intervals.

(i) The approved time intervals for calibration is the pressure drop gauges shall be calibrated and checked for accuracy monthly.

(c) The permittee shall maintain all monitoring equipment and stock parts necessary for routine repairs onsite.

(d) The permittee shall ensure that at least 90% of the monitoring data has been properly and accurately collected.

[Additional authority for part (5) of this permit condition is also derived from 40 CFR §64.4]

(e) The permittee shall submit an implementation plan and schedule if the approved monitoring requires the installation, testing or other necessary activities. The schedule for completing installation and beginning operation of the monitoring may not exceed 180 days after the issuance date of the permit.

[From Plan Approval Number 42-158I, Section E, Cyclone Baghouse CAM Plan Group, Condition #004.]

 # 005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for the following permit conditions are also derived from 40 CFR §64.8]

Quality Improvement Plan (QIP) Requirements

SECTION E. Source Group Restrictions.

(a) The permittee shall develop and implement a quality improvement plan (QIP) as expeditiously as practicable if any of the following occurs:

(1) Six excursions occur in a six-month reporting period.

(2) The Department determines after review of all reported information that the permittee has not responded acceptably to an excursion.

(b) In general, the QIP plan should be developed within 60 days and the permittee shall provide a copy of the QIP to the Department. Furthermore, the permittee shall notify the Department if the period for completing the improvements contained in the QIP exceeds 180 days from the date on which the need to implement the QIP was determined.

(c) The permittee shall record actions taken to implement a QIP during a reporting period and all related actions including, but not limited to inspections, repairs and maintenance performed on the monitoring equipment.

(d) In accordance with 40 CFR §64.8, the QIP shall include procedures for evaluating the control performance problems. Based on the results of the evaluation procedures, the permittee shall modify the QIP, and provide a copy to the Department, to include procedures for conducting more frequent or improved monitoring in conjunction with one or more of the following:

(1) Improved preventive maintenance practices

(2) Process operation changes

(3) Appropriate improvements to control methods

(4) Other steps appropriate to correct performance.

(e) Following implementation of a QIP, the Department will require reasonable revisions to the QIP if the plan has failed to either:

(1) Address the cause of the control device performance problem.

(2) Provide adequate procedures for correcting control device performance problems in as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.

(f) Implementation of a QIP, shall not excuse the owner or operator of a source from compliance with any existing emission limitation or standard or any existing monitoring, testing, reporting or recordkeeping requirement that may apply under any federal, state, or local laws or any other applicable requirements under the Clean Air Act.

[From Plan Approval Number 42-158I, Section E, Cyclone Baghouse CAM Plan Group, Condition #004.]

VII. ADDITIONAL REQUIREMENTS.

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

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

SECTION E. Source Group Restrictions.

Group Name: 05 - PAL 42-158Q

Group Description: PAL 42-158Q

Sources included in this group

ID	Name
041M	SPACE HEATERS
042M	PRODUCTION AREA HEATERS
051M	EMERGENCY GENERATORS / EMERGENCY FIRE PUMP
120M	MDF REFINER
121M	MDF FIRST STAGE WESTEC FIBER DRYER
122M	MDF SECOND STAGE FIBER DRYER
124M	MDF PRESS & UNLOADER
132M	MDF WESTEC PANEL BURNER
133M	MDF WESTEC COEN BURNER
134M	MDF GEKA COEN BURNER
135M	MDF STANDBY GAS FIRED OIL HEATER GEKA AUX
218M	LOG CHIPPER WITH ENGINE

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The PAL as established for NOx emissions from all affected sources at the facility is 171.14 tpy calculated as a 12-month rolling total.

[Source: Plan Approval 42-158Q] [Authority for this condition is also derived from 25 PA Code 127.218(g)(i) & 40 CFR 52.21(aa)(7)(i).]

II. TESTING REQUIREMENTS.

 # 002 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The owner or operator of the facility shall perform NOx emissions tests within 6 months of issuance of the revised PAL permit and every 3 years thereafter for the MDF Fiber Dryer RTO exhaust and the MDF Press / Unloader TCO exhaust to determine a site-specific emission factor.

[From Plan Approval 42-158I]

III. MONITORING REQUIREMENTS.

 # 003 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The facility shall convert the monitoring system data to monthly emissions and annual emissions based on a 12-month rolling total for each month as follows:

• Medium Density Fiberboard (MDF): Emission factors for indicated emission unit X monthly hours of MDF plant operation / 2000 lbs / ton = Monthly tons at specified emission unit.

[Paragraph (a) is from Plan Approval 42-158Q. Authority also derived from 25 PA Code 127.218(g)(6) & (b)(3) & 40 CFR 52.21(aa)(7)(vi) & (3)(iii)]

(b) The owner or operator shall monitor all emissions units in accordance with the provisions under 25 PA Code 127.218(m) and 40 CFR 52.21(aa)(12).

[Paragraph (b) is from Plan Approval 42-158Q. Authority also derived from 25 PA Code 127.218(g)(7) & (m) & 40 CFR 52.21(aa)(7)(vii) & (12)]

SECTION E. Source Group Restrictions.

(c) The PAL monitoring system must employ one or more of the four general monitoring approaches meeting the minimum requirements set forth in 25 PA Code 127.218(m)(5) and 40 CFR 52.21(aa)(12)(ii)(a) through (d) and must be approved.

(1) Mass balance calculations for activities using coatings or solvents

(2) CEMS

(3) CPMS or PEMS

(4) Emission factors

The monitoring approach selected by the company and approved by the Department is emission factors. When using the emission factors for monitoring the following will be the order of which emission factors will be used, if one of these factors is not available the next factors will be used:

(i) Current emission testing emission factors;

(ii) Existing emission factors used in Plan Approval 42-158H issued by the Department on June 9, 2003;

(iii) NCASI emission factors;

(iv) AP-42

[Paragraph (c) is from Plan Approval 42-158Q. Authority is also derived from 25 PA Code 127.218(m)(2) & (5) & 40 CFR 52.21(aa)(12)(i)(b)]

(d) Emission factors. An owner or operator using emission factors to monitor PAL pollutant emissions shall meet the following requirements:

(1) All emission factors shall be adjusted, if appropriate, to account for the degree of uncertainty or limitations in the factors' development;

(2) The emissions unit shall operate within the designated range of use for the emission factor, if applicable; and

(3) If technically practicable, the owner or operator of a significant emissions unit that relies on an emission factor to calculate PAL pollutant emissions shall conduct validation testing to determine a site-specific emission factor within 6 months of PAL permit issuance, unless the Administrator determines that testing is not required.

[Paragraph (d) is from Plan Approval 42-158Q. Authority is also derived from 25 PA Code 127.218(m)(9) & 40 CFR 52.21 (aa)(12)(vi)]

(e) Re-validation. All data used to establish the PAL pollutant must be re-validated through performance testing or other scientifically valid means approved in writing by the Administrator. Such testing must occur at least once every 5 years after issuance of the PAL permit.

[Paragraph (e) is from Plan Approval 42-158Q. Authority is also derived from 25 PA Code 127.218(m)(12) & 40 CFR 52.21(aa)(12)(ix)]

IV. RECORDKEEPING REQUIREMENTS.

 # 004 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The owner or operator shall retain the records required under 25 PA Code 127.218(n) and 40 CFR 52.21(aa)(13). Such records may be retained in an electronic format and be retrievable onsite.

[Plan Approval 42-158Q] [25 PA Code 127.218(g)(8) & (n) & 40 CFR 52.21(aa)(7)(viii) & (13)]

(b) The owner or operator of the facility shall retain a copy of the records necessary to determine compliance with any

SECTION E. Source Group Restrictions.

requirement of 25 PA Code 127.218 and 40 CFR 52.21(aa), including a determination of the 12-month rolling total emissions for each emission unit, for 5 years from the date of such record.

[Plan Approval 42-158Q] [25 PA Code 127.218(n)(1) & 40 CFR 52.21(aa)(13)(i)]

(c) The owner or operator shall retain a copy of the following records for the duration of the PAL effective period plus 5 years:

(1) Copy of the PAL permit application and any applications for revisions to the PAL.

(2) Each annual certification of compliance pursuant to Title V and the data relied on in certifying the compliance.

[Plan Approval 42-158Q] [25 PA Code 127.218(n)(2) & 40 CFR 52.21(aa)(13)(ii)]

(d) The company shall maintain an emission tracking system to document compliance with the NOx PAL for the facility. The tracking system shall record on a monthly basis from all the sources at the facility:

(1) Fuel usage

(2) Production rates

(3) NOx Emission rates

(4) Total NOx monthly emissions

[Plan Approval 42-158Q]

V. REPORTING REQUIREMENTS.

 # 005 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The owner or operator shall submit the reports required under 25 PA Code 127.218(o) and 40 CFR 52.21(aa)(14) by the required deadlines.

[Plan Approval 42-158Q] [25 PA Code 127.218(g)(9) & (o) & 40 CFR 52.21(aa)(7)(ix) & (14)]

(b) The owner or operator shall submit semi-annual monitoring reports and prompt deviation reports in accordance with the Title V operating permit requirements of Subchapters F and G (relating to operating permit requirements; and Title V operating permits).

[Plan Approval 42-158Q] [25 PA Code 127.218(o)(1) & 40 CFR 52.21(aa)(14)]

(c) The company shall submit semi-annual reports to the Department within 30 days of the end of each reporting period. The semi-annual report shall contain the following information:

(1) The identification of owner and operator and the permit number.

(2) Total annual emissions (expressed on a mass-basis in tons/year) based on a 12-month rolling total for each month in the reporting period recorded pursuant to 25 PA Code 127.218(n)(1) and 40 CFR 52.21(aa)(13)(i).

(3) All data relied upon, including, but not limited to, any Quality Assurance or Quality Control data in calculating the monthly and annual PAL pollutant emissions.

(4) A list of any emissions units modified or added to the major stationary source during the preceding 6-month period.

(5) The number, duration and cause of any deviations or monitoring malfunctions (other than the time associated with zero and span calibration checks) and the corrective action taken.

SECTION E. Source Group Restrictions.

(6) A notification of a shutdown of any monitoring system, whether the shutdown was permanent or temporary, the reason for the shutdown, the anticipated date that the monitoring system will be fully operational or replaced with another monitoring system, and whether the emissions unit monitored by the monitoring system continued to operate, and the calculation of the emissions of the pollutant or the number determined by the method included in the permit under 25 PA Code 127.218(m)(10) and 40 CFR 52.21(aa)(12)(vii).

(7) A signed statement by the responsible official (as defined by the applicable Title V operating permit) certifying the truth, accuracy and completeness of the information provided in the report.

[Plan Approval 42-158Q] [25 PA Code 127.218(o)(2) & 40 CFR 52.21(aa)(14)(i)]

(d) The owner or operator shall promptly submit reports of deviations or exceedance of the PAL requirements, including periods where no monitoring is available. A report submitted under Subchapter G and 40 CFR 70.6(a)(3)(iii)(B) satisfies this reporting requirement. The report shall contain the following information:

(1) The identification of owner or operator and the permit number.

(2) The PAL requirement that experienced the deviation or that was exceeded.

(3) Emissions resulting from the deviation or the exceedance.

(4) A signed statement by the responsible official (as defined by the applicable Title V operating permit) certifying the truth, accuracy and completeness of the information provided in the report.

[Plan Approval 42-158Q] [25 PA Code 127.218(o)(3) & 40 CFR 52.21(aa)(14)(ii)]

(e) The owner or operator shall submit the results of any revalidation test or method within 3 months after completion of the test or method.

[Plan Approval 42-158Q] [25 PA Code 127.218(o)(4) & 40 CFR 52.21(aa)(14)(iii)]

VI. WORK PRACTICE REQUIREMENTS.

 # 006 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The affected sources may only be operated as long as the associated air pollution control devices are operated and maintained in accordance with the specifications set forth in the plan approval application and with any conditions set forth herein.

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

[Paragraphs (a) and (b) are from Plan Approval 42-158I.]

VII. ADDITIONAL REQUIREMENTS.

 # 007 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) - (c) [No longer applicable.]

[Plan Approval 42-158Q]

(d) The PAL is effective from the date of issuance of plan approval 42-158Q and expires after 10 years from the date of issuance of this approval.

[Plan approval 42-158Q renewed the NOx PAL and was issued on November 20, 2015. The NOx PAL expires on November 20, 2025. An application to renew the PAL was received timely on April 14, 2025, in accordance with 25 Pa. Code 127.218(k)(2) and is under review by the Department and is assigned pending plan approval application # 42-00158S.]

SECTION E. Source Group Restrictions.

[From Plan Approval 42-158Q] [Also derived from 25 PA Code 127.218(g)(2) & (h) & 40 CFR 52.21(aa)(7)(ii) & (8)(i)]

(e) The owner or operator shall submit a timely application to request renewal of a PAL permit. A timely application is one that is submitted at least 6 month prior to, but not earlier than 18 months prior to the date of permit expiration. If the owner or operator submits a complete application to renew the PAL permit within this time period, the PAL continues to be effective until the revised permit with the renewed PAL is issued. The renewal application shall be submitted in accordance with the requirement of 25 PA Code 127.218(k) and 40 CFR 52.21(aa)(10).

[The PAL renewal application was due no later than April 20, 2025, and was received timely on April 14, 2025.]

[Plan Approval 42-158Q] [25 PA Code 127.218(g)(3) & (k)(2) & 40 CFR 52.21(aa)(7)(iii) & (10)(ii)]

(f) The company shall show that the sum of the monthly emissions from each source including emissions from start-ups, shutdowns, and malfunctions under the PAL for the previous 12 consecutive months is less than or equal to the PAL (a 12-month total, rolled monthly). To determine the compliance with the PAL, the calculated pollutants emissions for the month shall be added to the previous 11 months calculated pollutant emissions for the total facility.

[Plan Approval 42-158Q] [25 PA Code 127.218(g)(4) & 40 CFR 52.21(aa)(7)(iv)]

(g) A PAL permit that is not renewed in accordance with the requirements in 25 PA Code 127.218(k) & 40 CFR 52.21(aa)(10) shall expire at the end of the PAL effective period and is subject to 25 PA Code 127.218(j) and 40 CFR 52.21(aa)(9).

[Plan Approval 42-158Q] [25 PA Code 127.218(g)(5) & (j) & 40 CFR 52.21(aa)(7)(v) & (9)]

(h) The emissions from a new source that requires a plan approval shall be the minimum attainable through the use of BAT. A physical change or change in method of operation at an existing emissions unit will not be subject to BAT requirements unless the emissions unit is modified so that the fixed capital cost of new components exceeds 50% of the fixed capital cost that would be required to construct a comparable entirely new emissions unit.

[Plan Approval 42-158Q] [25 PA Code 127.218(g)(10)]

(i) At no time (during or after the PAL effective period) are emissions reductions of a PAL pollutant, which occur during the PAL effective period, creditable as decreases for purposes of offsets under Subchapter E and 40 CFR 51.165(a)(3)(ii) unless the level of the PAL is reduced by the amount of emissions reductions and the reductions would be creditable in the absence of the PAL.

[Plan Approval 42-158Q] [25 PA Code 127.218(d) & 40 CFR 52.21(aa)(4)(ii)]

(j) The following requirements apply to reopening of the PAL permit:

(1) During the effective period, the Department will reopen the PAL permit to:

(i) Correct typographical/calculation errors made in setting the PAL or reflect a more accurate determination of emissions used to establish the PAL.

(ii) Reduce the PAL if the owner or operator of the major stationary source creates creditable emissions reductions for use as offsets.

(iii) Revise the PAL to reflect an increase in the PAL as provided in 25 PA Code 127.218(l) and 40 CFR 52.21(aa)(11).

(2) The Department may reopen the permit to:

(i) Reduce the PAL to reflect newly applicable Federal requirements with compliance dates after the PAL effective date.

(ii) Reduce the PAL consistent with any other requirement that is enforceable as a practical matter and that the

SECTION E. Source Group Restrictions.

Department may impose on the major stationary source.

(iii) Reduce the PAL if the Department determines that a reduction is necessary to avoid causing or contributing to a NAAQS or PSD increment violation, or to an adverse impact on an air quality related value that has been identified for a Federal Class I area by a Federal Land Manager and for which information is available to the general public.

(3) Except for the permit reopening for the correction of typographical/calculation errors that do not increase the PAL level, other reopening shall be carried out in accordance with the public participation requirements [25 PA Code 127.218(e) & 40 CFR 52.21(aa)(5)].

[Plan Approval 42-158Q] [25 PA Code 127.218(i) & 40 CFR 52.21(aa)(8)(ii)]

(k) To increase the PAL during the effective period, the owner or operator shall submit a complete application to request an increase in the PAL limit for a PAL major modification.

[Plan Approval 42-158Q] [25 PA Code 127.218(l) & 40 CFR 52.21(aa)(11)]

(l) The NSR requirements in 25 PA Code Chapter 127, Subchapter E do not apply to an owner or operator at which a physical change or change in the method of operation still maintains its total facility-wide emissions below the PAL, meets the requirements in 25 PA Code 127.218 (relating to PALs) and complies with the PAL permit. Any increase in NOx emissions above this PAL will subject the facility to the major NSR requirements.

[Plan Approval 42-158Q] [25 PA Code 127.203(f)(1)]

(m) The PSD requirements in 25 PA Code Chapter 127, Subchapter D do not apply to any major stationary source for a PAL for a regulated NSR pollutant, as long as the major stationary source complys with the requirements under 40 CFR 52.21(aa). Any increase in NOx emissions above this PAL will subject the facility to the PSD requirements.

[Plan Approval 42-158Q] [40 CFR 52.21(a)(2)(v)]

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

SECTION E. Source Group Restrictions.

Group Name: 06 - PRESUMPTIVE RACT III

Group Description: Presumptive RACT III requirements of 129.112 and 129.115 for non case-by-case sources

Sources included in this group

ID	Name
042M	PRODUCTION AREA HEATERS
051M	EMERGENCY GENERATORS / EMERGENCY FIRE PUMP
123M	MDF SYSTEM 6, 7, & 8 - MAT REJECT
125M	MDF BOARD COOLER
128M	MDF SYSTEM 10 - PRIMARY SANDER
129M	MDF SYSTEM 11 - SECONDARY SANDER
132M	MDF WESTEC PANEL BURNER
133M	MDF WESTEC COEN BURNER
134M	MDF GEKA COEN BURNER
135M	MDF STANDBY GAS FIRED OIL HEATER GEKA AUX
C121MC	MDF FIRST STAGE RTO
C124MM	DF PRESS & UNLOADER TCO

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §129.112]

Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule

[The emission limit of this condition applies to Sources 132M & 133M.]

(a) - (b) [Paragraphs (a) and (b) are printed under Work Practice Requirements in this section of the permit.]

(c) - (j) [Paragraphs (c) through (j) are not applicable to these sources.]

(k) The owner and operator of a direct-fired heater, furnace, oven or other combustion source with a rated heat input equal to or greater than 20 million Btu/hour subject to § 129.111 shall comply with the presumptive RACT emission limitation of 0.10 lb NOx/million Btu heat input.

(l) - (m) [Paragraphs (l) and (m) are printed under Work Practice Requirements in this section of the permit.]

(n) - (q) [Not applicable]

[Source: The provisions of this § 129.112 added November 11, 2022, effective November 12, 2022, 52 Pa.B. 6960.]

II. TESTING REQUIREMENTS.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Paragraphs (a) and (b) of this condition apply to Sources 132M and 133M.

(a) NOx emissions tests shall be conducted every 3 years on the existing MDF Fiber Dryer RTO exhaust [as set forth in Group 05 - PAL 42-158Q, condition # 002] to demonstrate compliance with the 25 Pa. Code § 129.112(k) presumptive RACT III NOx emission limit for existing sources 132M & 133M which exhaust to the RTO (Control Device C121MC) and Stack SM03.

(b) The protocol submittal, testing notifications, testing, & report submittal shall be conducted in accordance with the requirements of 25 Pa. Code Chapter 139 Subchapter A (related to sampling and testing methods and procedures) and in accordance with the PA DEP Source Testing Manual.

[A copy of the Source Testing Manual is available at the following web address.
https://greenport.pa.gov/elibrary/GetFolder?FolderID=4575]

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[This condition assures compliance with the RACT III testing requirement of 25 Pa. Code § 129.115(b)(6) for demonstrating compliance with the RACT III NOx emission limit of 0.10 lb NOx per million Btu heat input applicable to Sources 132M and 133M.]

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 §129.115]

Written notification, compliance demonstration and recordkeeping and reporting requirements

(a) [Paragraph (a) was a one-time requirement which was already met.]

(b) - (c) [Not applicable]

(d) Except as specified in § 129.112(n) and § 129.114(l) (relating to alternative RACT proposal and petition for alternative compliance schedule), the owner and operator of an air contamination source subject to subsection (b) shall demonstrate compliance with the applicable RACT requirement or RACT emission limitation in accordance with the procedures in subsection (a) not later than:

(1) January 1, 2023, for a source subject to § 129.111(a) (relating to applicability).

(2) January 1, 2023, or 1 year after the date that the source meets the definition of a major NOx emitting facility or major VOC emitting facility, whichever is later, for a source subject to § 129.111(b).

(e) [Not applicable]

(f) The owner and operator of an air contamination source subject to this section and § § 129.111—129.114 shall keep records to demonstrate compliance with § § 129.111—129.114 and submit reports to the Department or appropriate approved local air pollution control agency in accordance with the applicable regulations in 25 Pa. Code, Part I, Subpart C, Article III (relating to air resources) and as specified in the operating permit or plan approval for the air contamination source as follows:

(1) The records shall include sufficient data and calculations to demonstrate that the requirements of § § 129.111—129.114 are met.

(2) Data or information required to determine compliance shall be recorded and maintained in a time frame consistent with the averaging period of the requirement.

(3) The records necessary to determine compliance shall be reported to the Department or appropriate approved local air pollution control agency on a schedule specified in the applicable regulation or as otherwise specified in the operating permit or plan approval for the air contamination source.

(g) Beginning with the compliance date specified in § 129.112(a), the owner or operator of an air contamination source claiming that the air contamination source is exempt from the applicable NOx emission rate threshold specified in § 129.114(b) and the requirements of § 129.112 based on the air contamination source's potential to emit shall maintain records that demonstrate to the Department or appropriate approved local air pollution control agency that the air contamination source is not subject to the specified emission rate threshold.

(h) Beginning with the compliance date specified in § 129.112(a), the owner or operator of an air contamination source claiming that the air contamination source is exempt from the applicable VOC emission rate threshold specified in § 129.114(c) and the requirements of § 129.112 based on the air contamination source's potential to emit shall maintain records that demonstrate to the Department or appropriate approved local air pollution control agency that the air contamination source is not subject to the specified emission rate threshold.

(i) The owner or operator of a combustion unit or process heater subject to § 129.112(b) shall record each adjustment

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conducted under the procedures in § 129.112(b). This record must contain, at a minimum:

(1) The date of the tuning procedure.

(2) The name of the service company and the technician performing the procedure.

(3) The final operating rate or load.

(4) The final NOx and CO emission rates.

(5) The final excess oxygen rate.

(6) Other information required by the applicable operating permit.

(j) [Not applicable]

(k) The records shall be retained by the owner or operator for 5 years and made available to the Department or appropriate approved local air pollution control agency upon receipt of a written request from the Department or appropriate approved local air pollution control agency.

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 §129.112]

Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule

(a) The owner and operator of a source listed in one or more of subsections (b)—(k) located at a major NOx emitting facility or major VOC emitting facility subject to § 129.111 (relating to applicability) shall comply with the applicable presumptive RACT requirement or RACT emission limitation, or both, beginning with the specified compliance date as follows, unless an alternative compliance schedule is submitted and approved under subsections (n)—(p) or § 129.114 (relating to alternative RACT proposal and petition for alternative compliance schedule):

(1) January 1, 2023, for a source subject to § 129.111(a).

(2) January 1, 2023, or 1 year after the date the source meets the definition of a major NOx emitting facility or major VOC emitting facility, whichever is later, for a source subject to § 129.111(b).

(b) The owner and operator of a source listed in this subsection that is located at a major NOx emitting facility or major VOC emitting facility subject to § 129.111 shall comply with the applicable presumptive RACT requirements in paragraph (1) and recordkeeping and reporting requirements in paragraph (2).

(1) The owner or operator of a:

[The biennial tunetup requirements of Section (b)(1)(i)(A)-(B) apply to Sources 134M & 135M.]

(i) Combustion unit or process heater with a rated heat input equal to or greater than 20 million Btu/hour and less than 50 million Btu/hour shall conduct a biennial tune-up in accordance with the procedures in 40 CFR 63.11223 (relating to how do I demonstrate continuous compliance with the work practice and management practice standards?).

(A) Each biennial tune-up shall occur not less than 3 months and not more than 24 months after the date of the previous tune-up.

(B) The biennial tune-up must include, at a minimum, the following:

(I) Inspection and cleaning or replacement of fuel-burning equipment, including the burners and

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components, as necessary, for proper operation as specified by the manufacturer.

(II) Inspection of the flame pattern and adjustment of the burner, as necessary, to optimize the flame pattern to minimize total emissions of NOx and, to the extent possible, emissions of CO.

(III) Inspection and adjustment, as necessary, of the air-to-fuel ratio control system to ensure proper calibration and operation as specified by the manufacturer.

(ii) Combustion unit or process heater with an oxygen trim system that maintains an optimum air-to-fuel ratio that would otherwise be subject to a biennial tune-up shall conduct a tune-up of the boiler one time in each 5-year calendar period in accordance with the following:

(A) Each tune-up shall occur not less than 3 months and not more than 60 months after the date of the previous tune-up.

(B) The tune-up must include, at a minimum, the following:

(I) Inspection and cleaning or replacement of fuel-burning equipment, including the burners and components, as necessary, for proper operation as specified by the manufacturer.

(II) Inspection of the flame pattern and adjustment of the burner, as necessary, to optimize the flame pattern to minimize total emissions of NOx and, to the extent possible, emissions of CO.

(III) Inspection and adjustment, as necessary, of the air-to-fuel ratio control system to ensure proper calibration and operation as specified by the manufacturer.

(2) The applicable recordkeeping and reporting requirements of § 129.115(f) and (i) (relating to written notification, compliance demonstration and recordkeeping and reporting requirements).

(3) Compliance with the applicable presumptive RACT requirements in paragraph (1) and recordkeeping and reporting requirements in paragraph (2) assures compliance with the provisions in § § 129.93(b)(2), (3), (4) and (5) and 129.97(b)(1), (2) and (3) (relating to presumptive RACT emissions limitations; and presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule).

(c) The owner and operator of a source listed in this subsection that is located at a major NOx emitting facility or major VOC emitting facility subject to § 129.111 shall install, maintain and operate the source in accordance with the manufacturer's specifications and with good operating practices:

(1) [Not applicable to the sources in this source group.]

(2) A VOC air contamination source that has the potential to emit less than 2.7 TPY of VOC. [Sources 123M, 125M, 128M, and 129M.]

(3) [Not applicable]

(4) A boiler or other combustion source with an individual rated gross heat input less than 20 million Btu/ hour. [Source 042M]

(5) - (7) [Not applicable]

(8) An incinerator, thermal oxidizer, catalytic oxidizer or flare used primarily for air pollution control. [Sources C121MC and C124M]

(9) [Not applicable]

(10) An emergency standby engine operating less than 500 hours in a 12-month rolling period. [Source 051M]

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(11) [Not applicable]

(d) - (j) [Not applicable]

(k) [Paragraph (k) of the regulation is printed under Emission Restrictions in this section of the permit.]

(l) The requirements and emission limitations of this section supersede the requirements and emission limitations of a RACT permit issued to the owner or operator of an air contamination source subject to one or more of subsections (b)—(k) prior to November 12, 2022, under § § 129.91—129.95 (relating to stationary sources of NOx and VOCs) or under § § 129.96—129.100 (relating to additional RACT requirements for major sources of NOx and VOCs) to control, reduce or minimize NOx emissions or VOC emissions, or both, from the air contamination source unless the permit contains more stringent requirements or emission limitations, or both.

(m) The requirements and emission limitations of this section supersede the requirements and emission limitations of § § 129.201—129.205, 129.301—129.310, 145.111—145.113 and 145.141—145.146 unless the requirements or emission limitations of § § 129.201—129.205, § § 129.301—129.310, § § 145.111—145.113 or § § 145.141—145.146 are more stringent.

(n) - (q) [Not applicable]

[Source: The provisions of this § 129.112 added November 11, 2022, effective November 12, 2022, 52 Pa.B. 6960.]

VII. ADDITIONAL REQUIREMENTS.

 # 005 [25 Pa. Code §121.1 A - L]

Definitions.

[Selected definition from 25 Pa. Code § 121.1 are printed here. Refer to the regulation for remaining definitions.]

(a) Combustion source -- For purposes of § § 129.111—129.115 (relating to additional RACT requirements for major sources of NOx and VOCs for the 2015 ozone NAAQS):

(i) A stationary device that combusts solid, liquid or gaseous fuel used to produce heat or energy for industrial, commercial or institutional use by direct heat transfer.

(ii) The term does not include:
- (A) Brick kilns.
- (B) Cement kilns.
- (C) Lime kilns.
- (D) Glass melting furnaces.
- (E) A source listed in § 129.112(g)(2) or (3) (relating to presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule).
- (F) A source subject to § 129.112(g)(4).

(b) Combustion unit -- A stationary equipment used to burn fuel primarily for the purpose of producing power or heat by indirect heat transfer.

(c) Process heater --

(i) An enclosed device using controlled flame, that is not a boiler, the primary purpose of which is to transfer heat to a process material or to a heat transfer material for use in a process unit.

(ii) The term does not include an enclosed device that meets either of the following circumstances:

(A) Has the primary purpose of generating steam.

(B) In which the material being heated is in direct contact with the products of combustion, including:
- (I) A furnace.
- (II) A kiln.

SECTION E. Source Group Restrictions.

(III) An unfired waste heat recovery heater.
(IV) A unit used for comfort heat, space heat or food preparation for onsite consumption.
(V) An autoclave.

[From 25 Pa. Code § 121.1 (as amended January 20, 2023)]

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

SECTION E. Source Group Restrictions.

Group Name: 07 - RACT II & RACT III - DRYER SYSTEMS

Group Description: Case-by-case RACT II and RACT III for Sources 120M, 121M, 122M, 132M, 133M, 134M, & 135M

Sources included in this group

ID	Name
120M	MDF REFINER
121M	MDF FIRST STAGE WESTEC FIBER DRYER
122M	MDF SECOND STAGE FIBER DRYER
132M	MDF WESTEC PANEL BURNER
133M	MDF WESTEC COEN BURNER
134M	MDF GEKA COEN BURNER
135M	MDF STANDBY GAS FIRED OIL HEATER GEKA AUX

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

RACT II for NOx:

For Sources 132M & 133M, the permittee shall comply with the existing PAL NOx limit of 171.14 tpy based on a consecutive 12-month period and conduct stack testing every 3 years as required by the operating permit.

[This condition is from the RACT II Approval of Plan Approval 42-158R.]

[Compliance with this condition assures compliance with the Alternative RACT II provisions of 25 Pa. Code § 129.99 for NOx for Source 132M & 133M. For RACT III, sources 132M & 133M are subject to the Presumptive NOx requirements and the NOx limit of 129.112(k) as printed elsewhere in this permit.]

 # 002 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

RACT II & RACT III for VOC:

For Sources 120M, 121M, 122M, 132M, 133M, 134M, & 135M, total VOC emissions shall be less than or equal to 12.09 lbs/hr and 52.94 tpy based on a consecutive 12-month period and THC (as carbon) shall not exceed 20 ppmvd. Conduct stack testing every 3 years as required by operating permit.

[This condition is from the RACT II Approval of Plan Approval 42-158R.]

[Compliance with this condition assures compliance with the Alternative RACT III provisions of 25 Pa. Code § 129.114.]

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 §129.115]

Written notification, compliance demonstration and recordkeeping and reporting requirements

(a) [The notification requirement of 25 Pa. Code § 129.115(a) is a one-time requirement which was met with the December 21, 2022, submittal.]

SECTION E. Source Group Restrictions.

(b) - (c) [Not applicable]

(d) [No longer applies since date has passed]

(e) [Not applicable]

(f) The owner and operator of an air contamination source subject to this section and §§ 129.111 -- 129.114 shall keep records to demonstrate compliance with §§ 129.111 -- 129.114 and submit reports to the Department or appropriate approved local air pollution control agency in accordance with the applicable regulations in 25 Pa. Code, Part I, Subpart C, Article III (relating to air resources) and as specified in the operating permit or plan approval for the air contamination source as follows:

(1) The records shall include sufficient data and calculations to demonstrate that the requirements of §§ 129.111 -- 129.114 are met.

(2) Data or information required to determine compliance shall be recorded and maintained in a time frame consistent with the averaging period of the requirement.

(3) The records necessary to determine compliance shall be reported to the Department or appropriate approved local air pollution control agency on a schedule specified in the applicable regulation or as otherwise specified in the operating permit or plan approval for the air contamination source.

(g) - (j) [Not applicable to the sources in this source group.]

(k) The records shall be retained by the owner or operator for 5 years and made available to the Department or appropriate approved local air pollution control agency upon receipt of a written request from the Department or appropriate approved local air pollution control agency.

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: 08 - RACT II & RACT III FOR SOURCE 124M

Group Description: Case-by-case RACT II & RACT III FOR SOURCE 124M

Sources included in this group

ID	Name
124M	MDF PRESS & UNLOADER

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[Plan Approval 42-158R / RACT II Approval]

For Source 124M, VOC emissions shall be less than or equal to 6.93 #/hr and 30.36 tpy based on a consecutive 12-month period and THC (as carbon) shall not exceed 20 ppmvd.

[This condition is also from plan approval 42-158P. Compliance with this condition assures compliance with the RACT III provisions of 25 Pa. Code § 129.114.]

II. TESTING REQUIREMENTS.

 # 002 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[Plan Approval 42-158R / RACT II Approval]

Stack testing to demonstrate compliance with the VOC emission restrictions shall be conducted every 3 years.

[Compliance with this condition assures compliance with the RACT III provisions of 25 Pa. Code § 129.114.]

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 §129.115]

Written notification, compliance demonstration and recordkeeping and reporting requirements

(a) [The notification requirement of 25 Pa. Code § 129.115(a) is a one-time requirement which was met with the December 21, 2022, submittal.]

(b) Except as specified in subsection (d), the owner and operator of an air contamination source subject to a NOx RACT requirement or RACT emission limitation or VOC RACT requirement or RACT emission limitation, or both, listed in § 129.112 (relating to presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule) shall demonstrate compliance with the applicable RACT requirement or RACT emission limitation by performing the following monitoring or testing procedures:

(1) - (5) [Not applicable]

(6) For an air contamination source without a CEMS, monitoring and testing in accordance with an emissions source test approved by the Department or appropriate approved local air pollution control agency that meets the requirements of Chapter 139, Subchapter A (relating to sampling and testing methods and procedures). The source test shall be conducted to demonstrate initial compliance and subsequently on a schedule set forth in the applicable permit.

(c) [Not applicable]

(d) [No longer applies since date has passed]

SECTION E. Source Group Restrictions.

(e) [Not applicable]

(f) The owner and operator of an air contamination source subject to this section and §§ 129.111 -- 129.114 shall keep records to demonstrate compliance with §§ 129.111 -- 129.114 and submit reports to the Department or appropriate approved local air pollution control agency in accordance with the applicable regulations in 25 Pa. Code, Part I, Subpart C, Article III (relating to air resources) and as specified in the operating permit or plan approval for the air contamination source as follows:

(1) The records shall include sufficient data and calculations to demonstrate that the requirements of §§ 129.111 -- 129.114 are met.

(2) Data or information required to determine compliance shall be recorded and maintained in a time frame consistent with the averaging period of the requirement.

(3) The records necessary to determine compliance shall be reported to the Department or appropriate approved local air pollution control agency on a schedule specified in the applicable regulation or as otherwise specified in the operating permit or plan approval for the air contamination source.

(g) - (j) [Not applicable.]

(k) The records shall be retained by the owner or operator for 5 years and made available to the Department or appropriate approved local air pollution control agency upon receipt of a written request from the Department or appropriate approved local air pollution control agency.

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.

 # 004 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[Plan Approval 42-158R / RACT II Approval]

In accordance with §129.99(g), the emission limit and requirements specified in the plan approval or operating permit issued by the Department or appropriate approved local air pollution control agency under subsection (f) supersede the emission limit and requirements in the existing plan approval or operating permit issued to the owner or operator of the source prior to April 23, 2016, on the date specified in the plan approval or operating permit issued by the Department or appropriate approved local air pollution control agency under subsection (f), except to the extent the existing plan approval or operating permit contains more stringent requirements.

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

SECTION E. Source Group Restrictions.

Group Name: 09 - SM03 - RTO STACK

Group Description: All sources exhausting to SM03, the RTO Stack

Sources included in this group

ID	Name
120M	MDF REFINER
121M	MDF FIRST STAGE WESTEC FIBER DRYER
122M	MDF SECOND STAGE FIBER DRYER
132M	MDF WESTEC PANEL BURNER
133M	MDF WESTEC COEN BURNER
134M	MDF GEKA COEN BURNER
135M	MDF STANDBY GAS FIRED OIL HEATER GEKA AUX

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The emissions from the following sources:

- MDF Refiner (Source 120M)
- MDF First Stage Westec Fiber Dryer (Source 121M)
- MDF Second Stage Fiber Dryer (Source 122M)
- MDF Wetec Panel Burner (Source 132M)
- MDF Westec Coen Burner (Source 133M)
- MDF Geka Coen Burner (Source 134M)
- MDF Geka Auxiliary Burner (Source 135M)

shall be measured at the exhaust of the RTO stack (SM03) and shall not exceed the following:

(a) Carbon Monoxide: 46.37 lbs/hr and 200.35 tons/yr based on a 12-month rolling total
(b) Sulfur Oxides: 2.90 lbs/hr and 12.69 tons/yr based on a 12-month rolling total
(c) VOC: 12.09 lbs/hr and 52.94 tons/yr based on a 12-month rolling total
(d) PM: 5.78 lbs/hr
(e) PM-10: 25.29 tons/yr based on a 12-month rolling total

[From Plan Approval 42-158L and revised by 42-158P]

 # 002 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Emissions from the MDF Dryer Abort stack for the WESP through the stack SM17 shall not exceed:

(a) PM: 57.81 lbs/hr
(b) PM-10: 7.60 tons/year as a twelve-month rolling total
(c) VOC: 151.12 lbs/hr and 19.86 tons/year as a twelve-month rolling total

[From Plan Approval 42-158L and revised in 42-158P]

II. TESTING REQUIREMENTS.

 # 003 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The owner or operator shall perform CO, VOC, PM and PM-10 emission tests every 3 years thereafter to determine compliance with the emissions limitations in this plan approval.

(b) EPA Method 202 and either EPA Method 201A or Method 5 shall be used to determine compliance with the PM-10 emission limit in this plan approval.

SECTION E. Source Group Restrictions.

[From Plan Approvals 42-158L, 42-158Q]

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

 # 004 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The facility shall keep a record of the following when the emergency abort gate (SM17) has been used:

(a) Date the emergency abort gate was used;

(b) The reason for the use of the emergency abort gate;

(c) The duration of the emergency abort stack usage; and

(d) The flow rate sent to the emergency abort stack.

[From Plan Approvals 42-158L, 42-158Q]

V. REPORTING REQUIREMENTS.

 # 005 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The permittee shall report the following in the facility semi-annual compliance certification:

(a) Date the emergency abort gate was used;

(b) The reason for the use of the emergency abort gate;

(c) The duration of the emergency abort stack usage;

(d) The flow rate sent to the emergency abort stack; and

(e) The amount of pollutants emitted during the usage.

[From Plan Approvals 42-158L, 42-158Q]

VI. WORK PRACTICE REQUIREMENTS.

 # 006 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The MDF Dryer emergency abort gate (SM17) shall only be used during an emergency and/or startup, shutdown or malfunction.

(b) The maximum hours the emergency abort gate (SM17) shall be used for startup and shutdown events is 40 hours per year.

(c) The maximum hours the emergency abort gate (SM17) shall be used for a routine control device maintenance exemption (RCDME) is 262.8 hours but shall not exceed 3 percent of annual operating uptime.

[Plan Approval 42-158L revised by 42-158P. This condition assures compliance with 40 CFR Subpart DDDD 63.2251.]

SECTION E. Source Group Restrictions.

VII. ADDITIONAL REQUIREMENTS.

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

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

SECTION E. Source Group Restrictions.

Group Name: 10 - COMPOSITE WOOD PRODUCTS MACT

Group Description: Applicable provisions from 40 CFR Part 63 Subpart DDDD

Sources included in this group

ID	Name
112	SYSTEM 7 (SAWING & VALUE ADDED)
115A	BOARD BREAKER
120M	MDF REFINER
121M	MDF FIRST STAGE WESTEC FIBER DRYER
122M	MDF SECOND STAGE FIBER DRYER
123M	MDF SYSTEM 6, 7, & 8 - MAT REJECT
124M	MDF PRESS & UNLOADER
125M	MDF BOARD COOLER
126M	MDF SYSTEM 3 - SANDER DUST SILO
127M	MDF SYSTEM 4 - SAW TRIM SILO
128M	MDF SYSTEM 10 - PRIMARY SANDER
129M	MDF SYSTEM 11 - SECONDARY SANDER
130M	MDF SYSTEM 9 - SAWS
131M	MDF RAW MATERIAL STORAGE TANKS
132M	MDF WESTEC PANEL BURNER
133M	MDF WESTEC COEN BURNER
134M	MDF GEKA COEN BURNER
135M	MDF STANDBY GAS FIRED OIL HEATER GEKA AUX

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63 Subpart DDDD Table 1B]

Subpart DDDD - National Emission Standards for Hazardous Air Pollutants: Plywood and Composite Wood Products -Add-on Control Systems Compliance Options

[Table 1B is referenced by § 63.2240(b) for the Add-on Control Systems compliance options and only the applicable section(s) are printed below. Only option # 2 is printed below since the permittee has chosen to comply with Option #2.]

For each of the following process units . . .

Fiberboard mat dryer heated zones (at new affected sources only); green rotary dryers; hardboard ovens; press predryers (at new affected sources only); pressurized refiners; primary tube dryers; secondary tube dryers; reconstituted wood product board coolers (at new affected sources only); reconstituted wood product presses; softwood veneer dryer heated zones; rotary strand dryers; conveyor strand dryer zone one (at existing affected sources); and conveyor strand dryer zones one and two (at new affected sources)

You must comply with one of the following 6 compliance options by using an emissions control system . . .

(1) [Not applicable]

(2) Limit emissions of total HAP, measured as THC (as carbon) [Reference footnote a below], to 20 ppmvd; or

(3) - (6) [Not applicable]

FOOTNOTE a: You may choose to subtract methane from THC as carbon measurements.

[Source: 69 FR 46011, July 30, 2004]

SECTION E. Source Group Restrictions.

 # 002 [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?

[Details for Tables 1B, and 2 are printed in separate conditions in this section of the permit. The language referring to Table 1A which is not applicable is removed from the introductory paragraph of § 63.2240 directly below.]

You must meet the compliance options and operating requirements described in Tables 1B and 2 to this subpart and in paragraph (c) of this section by using one or more of the compliance options listed in paragraphs (a), (b), and (c) of this section. The process units subject to the compliance options are listed in Table 1B to this subpart and are defined in § 63.2292. You need only to meet one of the compliance options outlined in paragraphs (a) through (c) of this section for each process unit. You cannot combine compliance options in paragraph (a), (b), or (c) for a single process unit. (For example, you cannot use a production-based compliance option in paragraph (a) for one vent of a veneer dryer and an add-on control system compliance option in paragraph (b) for another vent on the same veneer dryer. You must use either the production-based compliance option or an add-on control system compliance option for the entire dryer.)

(a) [Not applicable.]

(b) Compliance options for add-on control systems. You must use an emissions control system and demonstrate that the resulting emissions meet the compliance options and operating requirements in Tables 1B and 2 to this subpart. If you own or operate a reconstituted wood product press at a new or existing affected source or a reconstituted wood product board cooler at a new affected source, and you choose to comply with one of the concentration-based compliance options for a control system outlet (presented as option numbers 2, 4, and 6 in Table 1B to this subpart), you must have a capture device that either meets the definition of wood products enclosure in § 63.2292 or achieves a capture efficiency of greater than or equal to 95 percent.

(c) Emissions averaging compliance option (for existing sources only). Using the procedures in paragraphs (c)(1) through (3) of this section, you must demonstrate that emissions included in the emissions average meet the compliance options and operating requirements. New sources may not use emissions averaging to comply with this subpart.

(1) Calculation of required and actual mass removal. Limit emissions of total HAP, as defined in § 63.2292, to include acetaldehyde, acrolein, formaldehyde, methanol, phenol, and propionaldehyde from your affected source to the standard specified by Equations 1, 2, and 3 of this section.

[Refer to regulation for formula. A copy of the formula is available at this web address: https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-63/subpart-DDDD/subject-group-ECFR292af6274ae0ac6/section-63.2240#p-63.2240(c)]

Where:

RMR = required mass removal of total HAP from all process units generating debits (i.e., all process units that are subject to the compliance options in Tables 1A and 1B to this subpart and that are either uncontrolled or under-controlled), pounds per semiannual period;

AMR = actual mass removal of total HAP from all process units generating credits (i.e., all process units that are controlled as part of the Emissions Averaging Plan including credits from debit-generating process units that are under-controlled), pounds per semiannual period;

UCEPi = mass of total HAP from an uncontrolled or under-controlled process unit (i) that generates debits, pounds per hour;

OHi = number of hours a process unit (i) is operated during the semiannual period, hours per 6-month period;

CDi = control system efficiency for the emission point (i) for total HAP, expressed as a fraction, and not to exceed 90 percent, unitless (Note: To calculate the control system efficiency of biological treatment units that do not meet the definition of biofilter in § 63.2292, you must use 40 CFR part 63, appendix C, Determination of the Fraction Biodegraded (Fbio) in a Biological Treatment Unit.);

OCEPi = mass of total HAP from a process unit (i) that generates credits (including credits from debit-generating process units that are under-controlled), pounds per hour;

0.90 = required control system efficiency of 90 percent multiplied, unitless.

(2) Requirements for debits and credits. You must calculate debits and credits as specified in paragraphs (c)(2)(i)

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through (vi) of this section.

(i) You must limit process units in the emissions average to those process units located at the existing affected source as defined in § 63.2292.

(ii) You cannot use nonoperating process units to generate emissions averaging credits. You cannot use process units that are shut down to generate emissions averaging debits or credits.

(iii) You may not include in your emissions average process units controlled to comply with a State, Tribal, or Federal rule other than this subpart.

(iv) You must use actual measurements of total HAP emissions from process units to calculate your required mass removal (RMR) and actual mass removal (AMR). The total HAP measurements must be obtained according to § 63.2262(b) through (d), (g), and (h), using the methods specified in Table 4 to this subpart.

(v) Your initial demonstration that the credit-generating process units will be capable of generating enough credits to offset the debits from the debit-generating process units must be made under representative operating conditions. After the compliance date, you must use actual operating data for all debit and credit calculations.

(vi) Do not include emissions from the following time periods in your emissions averaging calculations:

(A) Before August 13, 2021, emissions during periods of startup, shutdown, and malfunction as described in the startup, shutdown, and malfunction plan (SSMP). On and after August 13, 2021, emissions during safety-related shutdowns, pressurized refiner startups and shutdowns, or startup and shutdown of direct-fired softwood veneer dryer gas-fired burners.

(B) Emissions during periods of monitoring malfunctions, associated repairs, and required quality assurance or control activities or during periods of control device maintenance covered in your routine control device maintenance exemption. No credits may be assigned to credit-generating process units, and maximum debits must be assigned to debit-generating process units during these periods.

(3) Operating requirements. You must meet the operating requirements in Table 2 to this subpart for each process unit or control device used in calculation of emissions averaging credits.

[69 FR 46011, July 30, 2004, as amended at 85 FR 49455, Aug. 13, 2020]

II. TESTING REQUIREMENTS.

 # 003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63 Subpart DDDD Table 4]

Subpart DDDD - National Emission Standards for Hazardous Air Pollutants: Plywood and Composite Wood Products Requirements for Performance Tests

[Categories (1) through (5), (9), and (11) of Table 4 apply and are printed below. Non-applicable language from categories (9) and (11) is omitted from this condition. Non-applicable categories (6) through (8) and (10) are omitted from this permit condition.]

(1) For each process unit subject to a compliance option in table 1A or 1B to this subpart or used in calculation of an emissions average under § 63.2240(c), you must select sampling port's location and the number of traverse ports using Method 1 or 1A of 40 CFR part 60, appendix A-1 (as appropriate).

(2) For each process unit subject to a compliance option in table 1A or 1B to this subpart or used in calculation of an emissions average under § 63.2240(c), you must determine velocity and volumetric flow rate using Method 2 in addition to Method 2A, 2C, 2D, 2F, or 2G in appendices A-1 and A-2 to 40 CFR part 60 (as appropriate).

(3) For each process unit subject to a compliance option in table 1A or 1B to this subpart or used in calculation of an emissions average under § 63.2240(c), you must conduct gas molecular weight analysis using Method 3, 3A, or 3B in appendix A-2 to 40 CFR part 60 (as appropriate).

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(4) For each process unit subject to a compliance option in table 1A or 1B to this subpart or used in calculation of an emissions average under § 63.2240(c), you must measure moisture content of the stack gas using Method 4 in appendix A-3 to 40 CFR part 60; OR Method 320 in appendix A to this part; OR ASTM D6348-03 (IBR, see § 63.14).

(5) For each process unit subject to a compliance option in table 1B to this subpart for which you choose to demonstrate compliance using a total HAP as THC compliance option, you must measure emissions of total HAP as THC using Method 25A in appendix A-7 to 40 CFR part 60. You may measure emissions of methane using EPA Method 18 in appendix A-6 to 40 CFR part 60 and subtract the methane emissions from the emissions of total HAP as THC.

(6) - (8) [Not applicable]

(9) For each reconstituted wood product press at a new or existing affected source or reconstituted wood product board cooler at a new affected source subject to a compliance option in table 1B to this subpart or used in calculation of an emissions average under § 63.2240(c), you must meet the design specifications included in the definition of wood products enclosure in § 63.2292; using Methods 204 and 204A through 204F of 40 CFR part 51, appendix M, to determine capture efficiency (except for wood products enclosures as defined in § 63.2292). Enclosures that meet the definition of wood products enclosure or that meet Method 204 requirements for a permanent total enclosure (PTE) are assumed to have a capture efficiency of 100 percent.

(10) [Not applicable]

(11) For each process unit subject to a compliance option in tables 1A and 1B to this subpart or used in calculation of an emissions average under § 63.2240(c), you must establish the site-specific operating requirements (including the parameter limits or THC concentration limits) in table 2 to this subpart using data from the parameter monitoring system and the applicable performance test method(s).

[85 FR 49461, Aug. 13, 2020]

 # 004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63 Subpart DDDD Table 5]

Subpart DDDD - National Emission Standards for Hazardous Air Pollutants: Plywood and Composite Wood Products

Performance Testing and Initial Compliance Demonstrations for the Compliance Options and Operating Requirements

Table 5 to Subpart DDDD of Part 63 - Performance Testing and Initial Compliance Demonstrations for the Compliance Options and Operating Requirements

[Table 5 is referenced by 63.2260(b), 63.2280(d), (d)(1), (d)(2). Categories (3), (6), & (7) apply. Non-applicable categories (1), (2), (4), (5), & (8) are not printed in the permit.]

(1) - (2) [Not applicable]

(3) For each Process unit listed in Table 1B to this subpart, for the compliance option of 'Limiting emissions of total HAP, measured as THC, to 20 ppmvd', you have demonstrated initial compliance if the average total HAP emissions, measured using the methods in Table 4 to this subpart over the 3-hour performance test, do not exceed 20 ppmvd; AND you have a record of the operating requirement(s) listed in Table 2 to this subpart for the process unit over the performance test during which emissions did not exceed 20 ppmvd.

(4) - (5) [Not applicable]

(6) [The requirement of category (6) was a one-time requirement for initial compliance which was demonstrated with the inital performance testing. There here have been no changes to the enclosure since that time, so there are no ongoing compliance demonstrations related to this requirement.]

(7) [The requirement of category (7) was a one-time requirement to submit a initial Notification of Compliance Status which was has already been met. There are no ongoing compliance demonstrations related to this requirement.]

(8) [Not applicable]

[Source:69 FR 46011, July 30, 2004]

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 # 005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63 Subpart DDDD Table 7]

Subpart DDDD - National Emission Standards for Hazardous Air Pollutants: Plywood and Composite Wood Products

Continuous Compliance With the Compliance Options and Operating Requirements

[Table 7 is referenced by 63.2280(d), (d)(2). Only categories (1), (4), & (7) apply. Categories (2), (3), (5), (6), and (8) do not apply.]

(1) For Each process unit listed in Table 1B to this subpart or used in calculation of an emissions average under § 63.2240(c), For the following compliance options and operating requirements . . .

Compliance options in Table 1B to this subpart or the emissions averaging compliance option in § 63.2240(c) and the operating requirements in Table 2 to this subpart based on monitoring of operating parameters, You must demonstrate continuous compliance
by . . .

Collecting and recording the operating parameter monitoring system data listed in Table 2 to this subpart for the process unit according to §§ 63.2269(a) through (b) and 63.2270; AND reducing the operating parameter monitoring system data to the specified averages in units of the applicable requirement according to calculations in § 63.2270; AND maintaining the average operating parameter at or above the minimum, at or below the maximum, or within the range (whichever applies) established according to § 63.2262.

(2) - (3) [Not applicable]

(4) For Each process unit using a catalytic oxidizer, For the following compliance options and operating requirements . . .

Compliance options in Table 1B to this subpart or the emissions averaging compliance option in § 63.2240(c), You must demonstrate continuous compliance
by . . .

Checking the activity level of a representative sample of the catalyst at least annually (Refer to Footnote 2) and taking any necessary corrective action to ensure that the catalyst is performing within its design range.

(5) - (6) [Not applicable]

(7) For Each process unit listed in Table 1B to this subpart using a control device other than a biofilter, For the following compliance options and operating requirements . . .

Compliance options in Tables 1B to this subpart, You must demonstrate continuous compliance
by . . .

Conducting a repeat performance test using the applicable method(s) specified in Table 4 to this subpart (Refer to Footnote 1) by August 13, 2023 or within 60 months following the previous performance test, whichever is later, and thereafter within 60 months following the previous performance test.

(8) [Not applicable]

FOOTNOTE 1: When conducting a repeat performance test, the capture efficiency demonstration required in Table 4 to this subpart, row 9 is not required to be repeated with the repeat emissions test if the capture device is maintained and operated consistent with its design as well as its operation during the previous capture efficiency demonstration conducted according to Table 4 to this subpart, row 9 as specified in § 63.2267.

FOOTNOTE 2: You may forego the annual catalyst activity check during the calendar year when a performance test is conducted according to Table 4 to this subpart.

[Source: 85 FR 49463, Aug. 13, 2020]

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 # 006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.2261]

Subpart DDDD - National Emission Standards for Hazardous Air Pollutants: Plywood and Composite Wood Products

By what date must I conduct performance tests or other initial compliance demonstrations?

(a) You must conduct performance tests upon initial startup or no later than 180 calendar days after the compliance date that is specified for your source in § 63.2233 and according to § 63.7(a)(2), whichever is later.

(b) You must conduct initial compliance demonstrations that do not require performance tests upon initial startup or no later than 30 calendar days after the compliance date that is specified for your source in § 63.2233, whichever is later.

[Source: 69 FR 46011, July 30, 2004]

 # 007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.2262]

Subpart DDDD - National Emission Standards for Hazardous Air Pollutants: Plywood and Composite Wood Products

How do I conduct performance tests and establish operating requirements?

(a) Testing procedures. You must conduct each performance test according to the requirements in paragraphs (b) through (o) of this section and according to the methods specified in Table 4 to this subpart.

(b) Periods when performance tests must be conducted. You must conduct each performance test based on representative performance (i.e., performance based on representative operating conditions as defined in § 63.2292) of the affected source for the period being tested. Representative conditions exclude periods of startup and shutdown. You may not conduct performance tests during periods of malfunction. You must describe representative operating conditions in your performance test report for the process and control systems and explain why they are representative. You must record the process information that is necessary to document operating conditions during the test and include in such record an explanation to support that such conditions are representative. Upon request, you shall make available to the Administrator such records as may be necessary to determine the conditions of performance tests.

(c) Number of test runs. You must conduct three separate test runs for each performance test required in this section as specified in § 63.7(e)(3). Each test run must last at least 1 hour except for: testing of a temporary total enclosure (TTE) conducted using Methods 204A through 204F of 40 CFR part 51, appendix M, which require three separate test runs of at least 3 hours each; and testing of an enclosure conducted using the alternative tracer gas method in appendix A to this subpart, which requires a minimum of three separate runs of at least 20 minutes each.

(d) Location of sampling sites.

(1) Sampling sites must be located at the inlet (if emission reduction testing or documentation of inlet methanol or formaldehyde concentration is required) and outlet of the control device (defined in § 63.2292) and prior to any releases to the atmosphere. For control sequences with wet control devices (defined in § 63.2292) followed by control devices (defined in § 63.2292), sampling sites may be located at the inlet and outlet of the control sequence and prior to any releases to the atmosphere.

(2) Sampling sites for process units meeting compliance options without a control device must be located prior to any releases to the atmosphere. Facilities demonstrating compliance with a production-based compliance option for a process unit equipped with a wet control device must locate sampling sites prior to the wet control device.

(e) Collection of monitoring data. You must collect operating parameter monitoring system or continuous emissions monitoring system (CEMS) data at least every 15 minutes during the entire performance test and determine the parameter or concentration value for the operating requirement during the performance test using the methods specified in paragraphs (k) through (o) of this section.

(f) Collection of production data. To comply with any of the production-based compliance options, you must measure and record the process unit throughput during each performance test.

(g) Nondetect data.

(1) Except as specified in paragraph (g)(2) of this section, all nondetect data (§ 63.2292) must be treated as one-half of the method detection limit when determining total HAP, formaldehyde, methanol, or total hydrocarbon (THC) emission rates.

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(2) When showing compliance with the production-based compliance options in Table 1A to this subpart, you may treat emissions of an individual HAP as zero if all three of the performance test runs result in a nondetect measurement, and the method detection limit is less than or equal to 1 parts per million by volume, dry basis (ppmvd). Otherwise, nondetect data for individual HAP must be treated as one-half of the method detection limit.

(h) Calculation of percent reduction across a control system. When determining the control system efficiency for any control system included in your emissions averaging plan (not to exceed 90 percent) and when complying with any of the compliance options based on percent reduction across a control system in Table 1B to this subpart, as part of the performance test, you must calculate the percent reduction using Equation 1 of this section:

[Refer to regulation for formula. A copy of the formula is available at this web address: https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-63/subpart-DDDD/subject-group-ECFRd079ea9df3bd9b4/section-63.2262#p-63.2262(g)(2)]

Where:

PR = percent reduction, percent;

CE = capture efficiency, percent (determined for reconstituted wood product presses and board coolers as required in Table 4 to this subpart);

ERin = emission rate of total HAP (calculated as the sum of the emission rates of acetaldehyde, acrolein, formaldehyde, methanol, phenol, and propionaldehyde), THC, formaldehyde, or methanol in the inlet vent stream of the control device, pounds per hour;

ERout = emission rate of total HAP (calculated as the sum of the emission rates of acetaldehyde, acrolein, formaldehyde, methanol, phenol, and propionaldehyde), THC, formaldehyde, or methanol in the outlet vent stream of the control device, pounds per hour.

(i) Calculation of mass per unit production. To comply with any of the production-based compliance options in Table 1A to this subpart, you must calculate your mass per unit production emissions for each performance test run using Equation 2 of this section:

[Refer to regulation for formula. A copy of the formula is available at this web address: https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-63/subpart-DDDD/subject-group-ECFRd079ea9df3bd9b4/section-63.2262#p-63.2262(g)(2)]

Where:

MP = mass per unit production, pounds per oven dried ton OR pounds per thousand square feet on a specified thickness basis (see paragraph (j) of this section if you need to convert from one thickness basis to another);

ERHAP = emission rate of total HAP (calculated as the sum of the emission rates of acetaldehyde, acrolein, formaldehyde, methanol, phenol, and propionaldehyde) in the stack, pounds per hour;

P = process unit production rate (throughput), oven dried tons per hour OR thousand square feet per hour on a specified thickness basis;

CE = capture efficiency, percent (determined for reconstituted wood product presses and board coolers as required in Table 4 to this subpart).

(j) Thickness basis conversion. Use Equation 3 of this section to convert from one thickness basis to another:

[Refer to regulation for formula. A copy of the formula is available at this web address: https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-63/subpart-DDDD/subject-group-ECFRd079ea9df3bd9b4/section-63.2262#p-63.2262(g)(2)]

Where:

MSFA = thousand square feet on an A-inch basis;

MSFB = thousand square feet on a B-inch basis;

A = old thickness you are converting from, inches;

B = new thickness you are converting to, inches.

(k) Establishing thermal oxidizer operating requirements. If you operate a thermal oxidizer, you must establish your thermal oxidizer operating parameters according to paragraphs (k)(1) through (3) of this section.

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(1) During the performance test, you must continuously monitor the firebox temperature during each of the required 1-hour test runs. For regenerative thermal oxidizers, you may measure the temperature in multiple locations (e.g., one location per burner) in the combustion chamber and calculate the average of the temperature measurements prior to reducing the temperature data to 15-minute averages for purposes of establishing your minimum firebox temperature. The minimum firebox temperature must then be established as the average of the three minimum 15-minute firebox temperatures monitored during the three test runs. Multiple three-run performance tests may be conducted to establish a range of parameter values under different operating conditions.

(2) You may establish a different minimum firebox temperature for your thermal oxidizer by submitting the notification specified in § 63.2280(g) and conducting a repeat performance test as specified in paragraph (k)(1) of this section that demonstrates compliance with the applicable compliance options of this subpart.

(3) If your thermal oxidizer is a combustion unit that accepts process exhaust into the flame zone, then you are exempt from the performance testing and monitoring requirements specified in paragraphs (k)(1) and (2) of this section. To demonstrate initial compliance, you must submit documentation with your Notification of Compliance Status showing that process exhausts controlled by the combustion unit enter into the flame zone.

(l) Establishing catalytic oxidizer operating requirements. If you operate a catalytic oxidizer, you must establish your catalytic oxidizer operating parameters according to paragraphs (l)(1) and (2) of this section.

(1) During the performance test, you must continuously monitor during the required 1-hour test runs either the temperature at the inlet to each catalyst bed or the temperature in the combustion chamber. For regenerative catalytic oxidizers, you must calculate the average of the temperature measurements from each catalyst bed inlet or within the combustion chamber prior to reducing the temperature data to 15-minute averages for purposes of establishing your minimum catalytic oxidizer temperature. The minimum catalytic oxidizer temperature must then be established as the average of the three minimum 15-minute temperatures monitored during the three test runs. Multiple three-run performance tests may be conducted to establish a range of parameter values under different operating conditions.

(2) You may establish a different minimum catalytic oxidizer temperature by submitting the notification specified in § 63.2280(g) and conducting a repeat performance test as specified in paragraphs (l)(1) and (2) of this section that demonstrates compliance with the applicable compliance options of this subpart.

(m) [Not applicable because the permittee does not operate a biofilter.]

(n) [Not applicable because permittee does not operate any affected process units without a control device.]

(o) [Not applicable because permittee does not use the option to meet the operating requirements by monitoring THC concentration instead of monitoring control device or process operating parameters.]

[69 FR 46011, July 30, 2004, as amended at 71 FR 8372, Feb. 16, 2006; 85 FR 49456, Aug. 13, 2020]

III. MONITORING REQUIREMENTS.

 # 008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63 Subpart DDDD Table 2]

Subpart DDDD - National Emission Standards for Hazardous Air Pollutants: Plywood and Composite Wood Products Operating Requirements

[Table 2 is referenced by § 63.2240(b) for the Add-on Control Systems compliance options and only the applicable categories (1) and (2) are printed below. The permittee chose to comply with the requirement in the 2nd column for each of the 2 categories. The optional 3rd column of Table 2 and the non-applicable Footnote #1 and the non-applicable categories are omitted from this permit.]

(1) If you operate a Thermal oxidizer, you must maintain the 3-hour block average firebox temperature above the minimum temperature established during the performance test.

(2) If you operate a Catalytic oxidizer, you must maintain the 3-hour block average catalytic oxidizer temperature above the minimum temperature established during the performance test; AND check the activity level of a representative sample of the catalyst annually except as specified in footnote “2” to this table.

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FOOTNOTE 2: You may forego the annual catalyst activity check during the calendar year when a performance test is conducted according to Table 4 to this subpart.

[85 FR 49460, Aug. 13, 2020]

 # 009 [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?

(a) General continuous parameter monitoring requirements. You must install, operate, and maintain each continuous parameter monitoring system (CPMS) according to paragraphs (a)(1) through (3) of this section.

(1) The CPMS must be capable of completing a minimum of one cycle of operation (sampling, analyzing, and recording) for each successive 15-minute period.

(2) At all times, you must maintain the monitoring equipment including, but not limited to, maintaining necessary parts for routine repairs of the monitoring equipment.

(3) Record the results of each inspection, calibration, and validation check.

(b) Temperature monitoring. For each temperature monitoring device, you must meet the requirements in paragraphs (a) and (b)(1) through (6) of this section.

(1) Locate the temperature sensor in a position that provides a representative temperature.

(2) Use a temperature sensor with a minimum accuracy of 4 °F or 0.75 percent of the temperature value, whichever is larger.

(3) If a chart recorder is used, it must have a sensitivity with minor divisions not more than 20 °F.

(4) Validate the temperature sensor's reading at least semiannually using the requirements of paragraph (b)(4)(i), (ii), (iii), (iv), or (v) of this section:

(i) Compare measured readings to a National Institute of Standards and Technology (NIST) traceable temperature measurement device or simulate a typical operating temperature using a NIST traceable temperature simulation device. When the temperature measurement device method is used, the sensor of the NIST traceable calibrated device must be placed as close as practicable to the process sensor, and both devices must be subjected to the same environmental conditions. The accuracy of the temperature measured must be 2.5 percent of the temperature measured by the NIST traceable device or 5 °F, whichever is greater.

(ii) Follow applicable procedures in the thermocouple manufacturer owner's manual.

(iii) Request thermocouple manufacturer to certify or re-certify electromotive force (electrical properties) of the thermocouple.

(iv) Replace thermocouple with a new certified thermocouple in lieu of validation.

(v) Permanently install a redundant temperature sensor as close as practicable to the process temperature sensor. The sensors must yield a reading within 30 °F of each other for thermal oxidizers and catalytic oxidizers; within 5 °F of each other for biofilters; and within 20 °F of each other for dry rotary dryers.

(5) Conduct validation checks using the procedures in paragraph (b)(4) of this section any time the sensor exceeds the manufacturer's specified maximum operating temperature range or install a new temperature sensor.

(6) At least quarterly, inspect all components for integrity and all electrical connections for continuity, oxidation, and galvanic corrosion.

(c) Wood moisture monitoring. For each furnish or veneer moisture meter, you must meet the requirements in paragraphs

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(a)(1) through (3) and paragraphs (c)(1) through (5) of this section.

(1) For dry rotary dryers, use a continuous moisture monitor with a minimum accuracy of 1 percent (dry basis) moisture or better in the 25 to 35 percent (dry basis) moisture content range. For veneer redryers, use a continuous moisture monitor with a minimum accuracy of 3 percent (dry basis) moisture or better in the 15 to 25 percent (dry basis) moisture content range. Alternatively, you may use a continuous moisture monitor with a minimum accuracy of 5 percent (dry basis) moisture or better for dry rotary dryers used to dry furnish with less than 25 percent (dry basis) moisture or for veneer redryers used to redry veneer with less than 20 percent (dry basis) moisture.

(2) Locate the moisture monitor in a position that provides a representative measure of furnish or veneer moisture.

(3) Calibrate the moisture monitor based on the procedures specified by the moisture monitor manufacturer at least once per semiannual compliance period (or more frequently if recommended by the moisture monitor manufacturer).

(4) At least quarterly, inspect all components of the moisture monitor for integrity and all electrical connections for continuity.

(5) Use Equation 1 of this section to convert percent moisture measurements wet basis to a dry basis:

MCdry = [MCwet / 100] / [1 – (MCwet/100)] * 100

[Refer to regulation for formula. A copy of the formula is available at this web address: https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-63/subpart-DDDD/subject-group-ECFRd079ea9df3bd9b4/section-63.2269#p-63.2269(c)(1)]

Where:
MCdry = percent moisture content of wood material (weight percent, dry basis);
MCwet = percent moisture content of wood material (weight percent, wet basis).

(d) Continuous emission monitoring system(s). Each CEMS must be installed, operated, and maintained according to paragraphs (d)(1) through (4) of this section.

(1) Each CEMS for monitoring THC concentration must be installed, operated, and maintained according to Performance Specification 8 of 40 CFR part 60, appendix B. You must also comply with Procedure 1 of 40 CFR part 60, appendix F.

(2) You must conduct a performance evaluation of each CEMS according to the requirements in § 63.8 and according to Performance Specification 8 of 40 CFR part 60, appendix B.

(3) As specified in § 63.8(c)(4)(ii), each CEMS must complete a minimum of one cycle of operation (sampling, analyzing, and data recording) for each successive 15-minute period.

(4) The CEMS data must be reduced as specified in §§ 63.8(g)(2) and 63.2270(d) and (e).

[69 FR 46011, July 30, 2004, as amended at 71 FR 8372, Feb. 16, 2006; 85 FR 49456, Aug. 13, 2020]

 # 010 [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?

(a) You must monitor and collect data according to this section.

(b) Except for, as appropriate, monitor malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), you must conduct all monitoring in continuous operation at all times that the process unit is operating. For purposes of calculating data averages, you must not use data recorded during monitoring malfunctions, associated repairs, out-of-control periods, or required quality assurance or control activities. You must use all the data collected during all other periods in assessing compliance. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions. Any period for which the monitoring system is out-of-control and data are not available for required calculations constitutes a deviation

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from the monitoring requirements.

(c) You may not use data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities or data recorded during periods of safety-related shutdown, pressurized refiner startup or shutdown, startup and shutdown of direct-fired softwood veneer dryer gas-fired burners, or control device downtime covered in any approved routine control device maintenance exemption in data averages and calculations used to report emission or operating levels, nor may such data be used in fulfilling a minimum data availability requirement, if applicable. You must use all the data collected during all other periods in assessing the operation of the control system.

(d) Except as provided in paragraph (e) of this section, determine the 3-hour block average of all recorded readings, 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 paragraphs (b) and (c) of this section).

(e) For dry rotary dryer and veneer redryer wood moisture monitoring, dry rotary dryer temperature monitoring, biofilter bed temperature monitoring, and biofilter outlet THC monitoring, determine the 24-hour block average of all recorded readings, calculated after every 24 hours of operation as the average of the evenly spaced recorded readings in the previous 24 operating hours (excluding periods described in paragraphs (b) and (c) of this section).

(f) To calculate the data averages for each 3-hour or 24-hour averaging period, you must have at least 75 percent of the required recorded readings for that period using only recorded readings that are based on valid data (i.e., not from periods described in paragraphs (b) and (c) of this section).

[69 FR 46011, July 30, 2004, as amended at 85 FR 49456, Aug. 13, 2020]

IV. RECORDKEEPING REQUIREMENTS.

 # 011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63 Subpart DDDD Table 8]

Subpart DDDD - National Emission Standards for Hazardous Air Pollutants: Plywood and Composite Wood Products

Continuous Compliance With the Work Practice Requirements

Table 8 is referenced from 63.2271(a) & (b); 63.2281(c)(7), & (d); and 63.2282(b). Only categories (5), (6), & (7) apply.Categories (1) through (4) and (8) do not apply.

(1) - (4) [Not applicable]

(5) For Group 1 miscellaneous coating operations, for the work practice requirement of Using non-HAP coatings as defined in § 63.2292, You must demonstrate continuous compliance by . . .

• Continuing to use non-HAP coatings AND keeping records showing that you are using non-HAP coatings.

(6) For Process units and control systems undergoing safety-related shutdown on and after August 13, 2021, except as noted in footnote “1” to this table, for the work practice requirement of Following documented site-specific procedures to ensure the flow of raw materials and fuel or process heat ceases and that material is removed from the process unit(s) as expeditiously as possible given the system design to reduce air emissions, You must demonstrate continuous compliance by . . .

• Keeping records showing that you are following the work practice requirements during safety-related shutdowns.

(7) For Pressurized refiners undergoing startup or shutdown on and after August 13, 2021, except as noted in footnote “1” to this table, for the work practice requirements of (a) Routing exhaust gases from the pressurized refiner to its dryer control system no later than 15 minutes after wood is fed to the pressurized refiner during startup; and (b) Stopping wood flow into the pressurized refiner no more than 15 minutes after wood fiber and exhaust gases from the pressurized refiner stop being routed to the dryer during shutdown; You must demonstrate continuous compliance by . . .

• Keeping records showing that you are following the work practice requirements during pressurized refiner startup and shutdown events.

(8) [Not applicable]

FOOTNOTE 1: New or reconstructed affected sources that commenced construction or reconstruction after September 6, 2019 must comply with this requirement beginning on August 13, 2020 or upon initial startup, whichever is later.

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[85 FR 49464, Aug. 13, 2020]

 # 012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.2282]

Subpart DDDD - National Emission Standards for Hazardous Air Pollutants: Plywood and Composite Wood Products

What records must I keep?

(a) You must keep the records listed in paragraphs (a)(1) through (4) of this section.

(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 § 63.10(b)(2)(xiv).

(2) [No longer applicable since the date has passed for sources constructed before September 6, 2019, and since there are no affected sources at this facility constructed after September 6, 2019.]

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

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

(b) You must keep the records required in Tables 7 and 8 to this subpart to show continuous compliance with each compliance option, operating requirement, and work practice requirement that applies to you.

(c) For each CEMS, you must keep the following records.

(1) Records described in § 63.10(b)(2)(vi) through (xi).

(2) Previous (i.e., superseded) versions of the performance evaluation plan, with the program of corrective action included in the plan required under § 63.8(d)(2).

(3) Request for alternatives to relative accuracy testing for CEMS as required in § 63.8(f)(6)(i).

(4) Records of the date and time that each deviation started and stopped, and whether the deviation occurred during a period of startup, shutdown, or malfunction or during another period.

(d) If you comply with the emissions averaging compliance option in § 63.2240(c), you must keep records of all information required to calculate emission debits and credits.

(e) If you operate a catalytic oxidizer, you must keep records of annual catalyst activity checks and subsequent corrective actions.

(f) You must keep the written CMS quality control procedures required by § 63.8(d)(2) on record for the life of the affected source or until the affected source is no longer subject to the provisions of this subpart, to be made available for inspection, upon request, by the Administrator. If the performance evaluation plan is revised, you must keep previous (i.e., superseded) versions of the performance evaluation plan on record to be made available for inspection, upon request, by the Administrator, for a period of 5 years after each revision to the plan. The program of corrective action should be included in the plan required under § 63.8(d)(2).

[69 FR 46011, July 30, 2004, as amended at 85 FR 49459, Aug. 13, 2020; 85 FR 51668, Aug. 21, 2020]

 # 013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.2283]

Subpart DDDD - National Emission Standards for Hazardous Air Pollutants: Plywood and Composite Wood Products

In what form and how long must I keep my records?

(a) Your records must be in a form suitable and readily available for expeditious review as specified in § 63.10(b)(1).

(b) As specified in § 63.10(b)(1), you must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.

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(c) You 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 § 63.10(b)(1). You can keep the records offsite for the remaining 3 years.

(d) Any records required to be maintained by this part that are submitted electronically via the EPA's CEDRI may be maintained in electronic format. This ability to maintain electronic copies does not affect the requirement for facilities to make records, data, and reports available upon request to a delegated air agency or the EPA as part of an on-site compliance evaluation.

[69 FR 46011, July 30, 2004, as amended at 85 FR 49460, Aug. 13, 2020]

V. REPORTING REQUIREMENTS.

 # 014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63 Subpart DDDD Table 6]

Subpart DDDD - National Emission Standards for Hazardous Air Pollutants: Plywood and Composite Wood Products
Initial Compliance Demonstrations for Work Practice Requirements

[Table 6 is referenced by 63.2260(b), 63.2280(d), (d)(1), (d)(2). Only categories (5), (6), & (7) apply. Categories (1) through (4) and (8) do not apply.]

(1) - (4) [Not applicable]

(5) For each Group 1 miscellaneous coating operations, for the work practice requirement of 'Using non-HAP coatings as defined in § 63.2292', you have demonstrated initial compliance if you meet the work practice requirement AND you submit a signed statement with the Notification of Compliance Status that you are using non-HAP coatings AND you have a record showing that you are using non-HAP coatings.

(6) For each Process units and control systems undergoing safety-related shutdown on and after August 13, 2021, except as noted in footnote “1” to this table, for the work practice requirement(s) of 'Following documented site-specific procedures to ensure the flow of raw materials and fuel or process heat ceases and that material is removed from the process unit(s) as expeditiously as possible given the system design to reduce air emissions', you have demonstrated initial compliance if you meet the work practice requirement AND you have a record of safety-related shutdown procedures available for inspection by the delegated authority upon request.

(7) For each Pressurized refiners undergoing startup or shutdown on and after August 13, 2021, except as noted in footnote “1” to this table, for the work practice requirement(s) of 'Routing exhaust gases from the pressurized refiner to its dryer control system no later than 15 minutes after wood is fed to the pressurized refiner during startup; and stopping wood flow into the pressurized refiner no more than 15 minutes after wood fiber and exhaust gases from the pressurized refiner stop being routed to the dryer during shutdown', you have demonstrated initial compliance if you meet the work practice requirement AND you have a record of pressurized refiner startup and shutdown procedures available for inspection by the delegated authority upon request.

(8) [Not applicable]

FOOTNOTE 1: New or reconstructed affected sources that commenced construction or reconstruction after September 6, 2019 must comply with this requirement beginning on August 13, 2020 or upon initial startup, whichever is later.

[85 FR 49462, Aug. 13, 2020]

 # 015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63 Subpart DDDD Table 9]

Subpart DDDD - National Emission Standards for Hazardous Air Pollutants: Plywood and Composite Wood Products
Requirements for Reports

(1) You must submit a Compliance report Semiannually according to the requirements in § 63.2281(b).

The report must contain the information in § 63.2281(c) through (g)

(2) You must submit an Immediate startup, shutdown, and malfunction report if you had a startup, shutdown, or malfunction during the reporting period that is not consistent with your SSMP before August 13, 2021. (See Note 1 below.)

The report must contain

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(i) Actions taken for the event; and
(ii) The information in § 63.10(d)(5)(ii)

You must submit the report . . . .
(i) By fax or telephone within 2 working days after starting actions inconsistent with the plan; and
(ii) By letter within 7 working days after the end of the event unless you have made alternative arrangements with the permitting authority.

(3) You must submit a Performance test report According to the requirements of § 63.2281(i).

The report must contain the information required in § 63.7(g)

(4) [Not applicable to the sources at this facility since there are no CEMS installed or required under this subpart.]

NOTE 1: The requirement for the SSM report in row 2 of this table does not apply for new or reconstructed affected sources that commenced construction or reconstruction after September 6, 2019.

[85 FR 49465, Aug. 13, 2020]

 # 016 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.2260]

Subpart DDDD - National Emission Standards for Hazardous Air Pollutants: Plywood and Composite Wood Products
How do I demonstrate initial compliance with the compliance options, operating requirements, and work practice requirements?

(a) To demonstrate initial compliance with the compliance options and operating requirements, you must conduct performance tests and establish each site-specific operating requirement in Table 2 to this subpart according to the requirements in § 63.2262 and Table 4 to this subpart. Combustion units that accept process exhausts into the flame zone are exempt from the initial performance testing and operating requirements for thermal oxidizers.

(b) You must demonstrate initial compliance with each compliance option, operating requirement, and work practice requirement that applies to you according to Tables 5 and 6 to this subpart and according to §§ 63.2260 through 63.2269 of this subpart.

(c) You must submit the Notification of Compliance Status containing the results of the initial compliance demonstration according to the requirements in § 63.2280(d).

[Source: 69 FR 46011, July 30, 2004]

 # 017 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.2267]

Subpart DDDD - National Emission Standards for Hazardous Air Pollutants: Plywood and Composite Wood Products
Initial compliance demonstration for a reconstituted wood product press or board cooler.

If you operate a reconstituted wood product press at a new or existing affected source or a reconstituted wood product board cooler at a new affected source, then you must either use a wood products enclosure as defined in § 63.2292 or measure the capture efficiency of the capture device for the press or board cooler using Methods 204 and 204A through 204F of 40 CFR part 51, appendix M (as appropriate), or using the alternative tracer gas method contained in appendix A to this subpart. You must submit documentation that the wood products enclosure meets the press enclosure design criteria in § 63.2292 or the results of the capture efficiency verification with your Notification of Compliance Status.

[Source: 69 FR 46011, July 30, 2004]

 # 018 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.2271]

Subpart DDDD - National Emission Standards for Hazardous Air Pollutants: Plywood and Composite Wood Products
How do I demonstrate continuous compliance with the compliance options, operating requirements, and work practice requirements?

(a) You must demonstrate continuous compliance with the compliance options, operating requirements, and work practice requirements in §§ 63.2240 and 63.2241 that apply to you according to the methods specified in Tables 7 and 8 to this subpart.

(b) You must report each instance in which you did not meet each compliance option, operating requirement, and work

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practice requirement in Tables 7 and 8 to this subpart that applies to you. This includes periods of startup, shutdown, and malfunction and periods of control device maintenance specified in paragraphs (b)(1) through (4) of this section. These instances are deviations from the compliance options, operating requirements, and work practice requirements in this subpart. These deviations must be reported according to the requirements in § 63.2281.
(1-2) [Reserved]

(3) Deviations that occur during periods of control device maintenance covered by any approved routine control device maintenance exemption are not violations if you demonstrate to the EPA Administrator's satisfaction that you were operating in accordance with the approved routine control device maintenance exemption.

(4) Instances of safety-related shutdown, pressurized refiner startup and shutdown, and startup and shutdown of direct-fired softwood veneer dryer gas-fired burners subject to the work practice requirements in Table 3 to this subpart (rows 6 through 8) must be reported as required in § 63.2281(c)(4). Instances when the work practice requirements in Table 3 to this subpart (rows 6 through 8) are used are not considered to be deviations from (or violations of) the otherwise applicable compliance options, operating requirements and work practice requirements (in rows 1 through 5 of Table 3 to this subpart) as long as you do not exceed the minimum amount of time necessary for these events.

[69 FR 46011, July 30, 2004, as amended at 71 FR 20463, Apr. 20, 2006; 85 FR 49456, Aug. 13, 2020]

 # 019 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.2280]

Subpart DDDD - National Emission Standards for Hazardous Air Pollutants: Plywood and Composite Wood Products

What notifications must I submit and when?

(a) You must submit all of the notifications in §§ 63.7(b) and (c), 63.8(e), (f)(4) and (f)(6), 63.9 (b) through (e), and (g) and (h) by the dates specified.

(b) You must submit an Initial Notification no later than 120 calendar days after September 28, 2004, 120 calendar days after initial startup, or no later than 120 days after the source becomes subject to this subpart, whichever is later, as specified in § 63.9(b)(2). Initial Notifications required to be submitted after August 13, 2020, for affected sources that commence construction or reconstruction after September 6, 2019, and on and after August 13, 2021, for all other affected sources submitting initial notifications required in § 63.9(b) must be submitted following the procedure specified in § 63.2281(h), (k), and (l).

(c) If you are required to conduct a performance test, you must submit a written notification of intent to conduct a performance test at least 60 calendar days before the performance test is scheduled to begin as specified in § 63.7(b)(1).

(d) If you are required to conduct a performance test, design evaluation, or other compliance demonstration as specified in Tables 4, 5, and 6 to this subpart, or a repeat performance test as specified in Table 7 to this subpart, you must submit a Notification of Compliance Status as specified in § 63.9(h)(2)(ii). After August 13, 2020 for affected sources that commence construction or reconstruction after September 6, 2019, and on and after August 13, 2021 for all other affected sources, submit all subsequent Notifications of Compliance Status following the procedure specified in § 63.2281(h), (k), and (l).

(1) For each initial compliance demonstration required in Table 5 or 6 to this subpart that does not include a performance test, you must submit the Notification of Compliance Status before the close of business on the 30th calendar day following the completion of the initial compliance demonstration.

(2) For each compliance demonstration required in Tables 5, 6, and 7 to this subpart that includes a performance test conducted according to the requirements in Table 4 to this subpart, you must submit the Notification of Compliance Status, including a summary of the performance test results, before the close of business on the 60th calendar day following the completion of the performance test.

(e) If you request a routine control device maintenance exemption according to § 63.2251, you must submit your request for the exemption no later than 30 days before the compliance date.

(f) If you use the emissions averaging compliance option in § 63.2240(c), you must submit an Emissions Averaging Plan to the EPA Administrator for approval no later than 1 year before the compliance date or no later than 1 year before the date you would begin using an emissions average, whichever is later. The Emissions Averaging Plan must include the information in paragraphs (f)(1) through (6) of this section.

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(1) Identification of all the process units to be included in the emissions average indicating which process units will be used to generate credits, and which process units that are subject to compliance options in Tables 1A and 1B to this subpart will be uncontrolled (used to generate debits) or under-controlled (used to generate debits and credits).

(2) Description of the control system used to generate emission credits for each process unit used to generate credits.

(3) Determination of the total HAP control efficiency for the control system used to generate emission credits for each credit-generating process unit.

(4) Calculation of the RMR and AMR, as calculated using Equations 1 through 3 of § 63.2240(c)(1).

(5) Documentation of total HAP measurements made according to § 63.2240(c)(2)(iv) and other relevant documentation to support calculation of the RMR and AMR.

(6) A summary of the operating parameters you will monitor and monitoring methods for each debit-generating and credit-generating process unit.

(g) You must notify the EPA Administrator within 30 days before you take any of the actions specified in paragraphs (g)(1) through (3) of this section.

(1) You modify or replace the control system for any process unit subject to the compliance options and operating requirements in this subpart.

(2) You shut down any process unit included in your Emissions Averaging Plan.

(3) You change a continuous monitoring parameter or the value or range of values of a continuous monitoring parameter for any process unit or control device.

[69 FR 46011, July 30, 2004, as amended at 85 FR 49457, Aug. 13, 2020; 85 FR 73902, Nov. 19, 2020]

 # 020 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.2281]

Subpart DDDD - National Emission Standards for Hazardous Air Pollutants: Plywood and Composite Wood Products

What reports must I submit and when?

(a) You must submit each report in Table 9 to this subpart that applies to you.

(b) Unless the EPA Administrator has approved a different schedule for submission of reports under § 63.10(a), you must submit each report by the date in Table 9 to this subpart and as specified in paragraphs (b)(1) through (6) of this section.

(1) The first compliance report must cover the period beginning on the compliance date that is specified for your affected source in § 63.2233 ending on June 30 or December 31, and lasting at least 6 months, but less than 12 months. For example, if your compliance date is March 1, then the first semiannual reporting period would begin on March 1 and end on December 31.

(2) The first compliance report must be postmarked or delivered no later than July 31 or January 31 for compliance periods ending on June 30 and December 31, respectively.

(3) Each subsequent 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.

(4) 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.

(5) For each affected source that is subject to permitting regulations pursuant to 40 CFR part 70 or 40 CFR part 71, and if the permitting authority has established dates for submitting semiannual reports pursuant to § 70.6(a)(3)(iii)(A) or § 71.6(a)(3)(iii)(A), you may submit the first and subsequent compliance reports according to the dates the permitting authority has established instead of according to the dates in paragraphs (b)(1) through (4) of this section.

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(6) After August 13, 2020 for affected sources that commenced construction or reconstruction after September 6, 2019, and on and after August 13, 2021 for all other affected sources, submit all subsequent reports following the procedure specified in paragraphs (h), (k) and (l) of this section.

(c) The compliance report must contain the information in paragraphs (c)(1) through (8) of this section.

(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 SSMP, the compliance report must include the information specified in § 63.10(d)(5)(i) before August 13, 2021 for affected sources that commenced construction or reconstruction before September 6, 2019. After August 13, 2020 for affected sources that commenced construction or reconstruction after September 6, 2019, and on and after August 13, 2021 for all other affected sources, the compliance report must include the number of instances and total amount of time during the reporting period in which each of the startup/shutdown work practice requirements in Table 3 to this subpart (rows 6 through 8) is used in place of the otherwise applicable compliance options, operating requirements, and work practice requirements (in Table 3 to this subpart rows 1 through 5). If a startup/shutdown work practice in Table 3 to this subpart (rows 6 through 8) is used for more than a total of 100 hours during the semiannual reporting period, you must report the date, time and duration of each instance when that startup/shutdown work practice was used.

(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 (c)(5)(i) through (iii) of this section.

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

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

(iii) A statement of whether or not the control device maintenance was included in your approved routine control device maintenance exemption developed pursuant to § 63.2251. If the control device maintenance was included in your approved routine control device maintenance exemption, then you must report the information in paragraphs (c)(5)(iii)(A) through (C) of this section.

(A) The total amount of time that each process unit controlled by the control device operated during the semiannual compliance period and during the previous semiannual compliance period.

(B) The amount of time that each process unit controlled by the control device operated while the control device was down for maintenance covered under the routine control device maintenance exemption during the semiannual compliance period and during the previous semiannual compliance period.

(C) Based on the information recorded under paragraphs (c)(5)(iii)(A) and (B) of this section for each process unit, compute the annual percent of process unit operating uptime during which the control device was offline for routine maintenance using Equation 1 of this section.

RM = (DTp + DTc) / (Pup + PUc) (Eq. 1)

[Refer to regulation for formula. A copy of the equation is available at this web address: https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-63/subpart-DDDD/subject-group-ECFRf0405ef62192278/section-63.2281#p-63.2281(c)(5)(iii)(A)]

Where:

RM = Annual percentage of process unit uptime during which control device is down for routine control device maintenance;

PUp = Process unit uptime for the previous semiannual compliance period;

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PUc = Process unit uptime for the current semiannual compliance period;
DTp = Control device downtime claimed under the routine control device maintenance exemption for the previous semiannual compliance period;
DTc = Control device downtime claimed under the routine control device maintenance exemption for the current semiannual compliance period.

(6) [Reserved]

(7) If there are no deviations from any applicable compliance option or operating requirement, and there are no deviations from the requirements for work practice requirements in Table 8 to this subpart, a statement that there were no deviations from the compliance options, operating requirements, or work practice 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 § 63.8(c)(7), a statement that there were no periods during which the CMS was out-of-control during the reporting period.

(d) For each deviation from a compliance option or operating requirement and for each deviation from the work practice requirements in Table 8 to this subpart that occurs at an affected source where you are not using a CMS to comply with the compliance options, operating requirements, or work practice requirements in this subpart, the compliance report must contain the information in paragraphs (c)(1) through (6) of this section and in paragraphs (d)(1) and (2) of this section. This includes periods of startup, shutdown, and malfunction and routine control device maintenance.

(1) The total operating time of each affected source during the reporting period.

(2) Information on the date, time, duration, and cause of deviations (including unknown cause, if applicable), as applicable, and the corrective action taken.

(e) For each deviation from a compliance option, operating requirement, or work practice requirement occurring at an affected source where you are using a CMS to comply with the compliance options, operating requirements, or work practice requirements in this subpart, you must include the information in paragraphs (c)(1) through (6) and (e)(1) through (13) of this section. This includes periods of startup, shutdown, and malfunction and routine control device maintenance.

(1) [Reserved]

(2) The date, time, and duration 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 § 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.

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

(12) For any failure to meet a compliance option in § 63.2240, including the compliance options in Table 1A or 1B to this subpart or the emissions averaging compliance option, provide an estimate of the quantity of each regulated pollutant emitted over any emission limit, and a description of the method used to estimate the emissions.

(13) The total operating time of each affected source during the reporting period.

(f) If you comply with the emissions averaging compliance option in § 63.2240(c), you must include in your semiannual compliance report calculations based on operating data from the semiannual reporting period that demonstrate that actual mass removal equals or exceeds the required mass removal.

(g) Each affected source that has obtained a title V operating permit pursuant to 40 CFR part 70 or 40 CFR part 71 must report all deviations as defined in this subpart in the semiannual monitoring report required by § 70.6(a)(3)(iii)(A) or § 71.6(a)(3)(iii)(A). If an affected source submits a compliance report pursuant to Table 9 to this subpart along with, or as part of, the semiannual monitoring report required by § 70.6(a)(3)(iii)(A) or § 71.6(a)(3)(iii)(A), and the compliance report includes all required information concerning deviations from any compliance option, operating requirement, or work practice 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.

(h) If you are required to submit reports following the procedure specified in this paragraph (h), you must submit reports to the EPA via the Compliance and Emissions Data Reporting Interface (CEDRI), which can be accessed through the EPA's Central Data Exchange (CDX) (https://cdx.epa.gov/). The EPA will make all the information submitted through CEDRI available to the public without further notice to you. Do not use CEDRI to submit information you claim as confidential business information (CBI). Anything submitted using CEDRI cannot later be claimed to be CBI. For semiannual compliance reports required in this section and Table 9 (row 1) to this subpart, you must use the appropriate electronic report template on the CEDRI website (https://www.epa.gov/electronic-reporting-air-emissions/compliance-and-emissions-data-reporting-interface-cedri) for this subpart once the reporting template has been available on the CEDRI website for 1 year. The date report templates become available will be listed on the CEDRI website. If the reporting form for the semiannual compliance report specific to this subpart is not available in CEDRI at the time that the report is due, you must submit the report to the Administrator at the appropriate addresses listed in § 63.13. You must begin submitting all subsequent reports via CEDRI in the first full reporting period after the report template for this subpart has been available in CEDRI for 1 year. Initial Notifications developed according to § 63.2280(b) and Notifications of Compliance Status developed according to § 63.2280(d) may be uploaded in a user-specified format such as portable document format (PDF). The report must be submitted by the deadline specified in this subpart, regardless of the method in which the report is submitted. Although we do not expect persons to assert a claim of CBI, if persons wish to assert a CBI claim, submit a complete report, including information claimed to be CBI, to the EPA. The report must be generated using the appropriate form on the CEDRI website. Submit the file on a compact disc, flash drive, or other commonly used electronic storage medium and clearly mark the medium as CBI. Mail the electronic medium to U.S. EPA/OAQPS/CORE CBI Office, Attention: Group Leader, Measurement Policy Group, MD C404-02, 4930 Old Page Rd., Durham, NC 27703. The same file with the CBI omitted must be submitted to the EPA via the EPA's CDX. All CBI claims must be asserted at the time of submission. Furthermore, under CAA section 114(c) emissions data is not entitled to confidential treatment and requires EPA to make emissions data available to the public. Thus, emissions data will not be protected as CBI and will be made publicly available.

(i) Within 60 days after the date of completing each performance test required by this subpart, you must submit the results of the performance test following the procedures specified in paragraphs (i)(1) through (3) of this section.

(1) Data collected using test methods supported by the EPA's Electronic Reporting Tool (ERT) as listed on the EPA's ERT website (https://www.epa.gov/electronic-reporting-air-emissions/electronic-reporting-tool-ert) at the time of the test. Submit the results of the performance test to the EPA via CEDRI, which can be accessed through the EPA's CDX (https://cdx.epa.gov/). The data must be submitted in a file format generated through the use of the EPA's ERT. Alternatively, you may submit an electronic file consistent with the extensible markup language (XML) schema listed on the EPA's ERT website.

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(2) Data collected using test methods that are not supported by the EPA's ERT as listed on the EPA's ERT website at the time of the test. The results of the performance test must be included as an attachment in the ERT or an alternate electronic file consistent with the XML schema listed on the EPA's ERT website. Submit the ERT generated package or alternative file to the EPA via CEDRI.

(3) Confidential Business Information (CBI). The EPA will make all the information submitted through CEDRI available to the public without further notice to you. Do not use CEDRI to submit information you claim as CBI. Anything submitted using CEDRI cannot later be claimed to be CBI. Although we do not expect persons to assert a claim of CBI, if you claim some of the information submitted under this paragraph (i) is CBI, you must submit a complete file, including information claimed to be CBI, to the EPA. The file must be generated through the use of the EPA's ERT or an alternate electronic file consistent with the XML schema listed on the EPA's ERT website. Submit the file on a compact disc, flash drive, or other commonly used electronic storage medium and clearly mark the medium as CBI. Mail the electronic medium to U.S. EPA/OAQPS/CORE CBI Office, Attention: Group Leader, Measurement Policy Group, MD C404-02, 4930 Old Page Rd., Durham, NC 27703. The same file with the CBI omitted must be submitted to the EPA via the EPA's CDX as described in this paragraph (i). All CBI claims must be asserted at the time of submission. Furthermore, under CAA section 114(c) emissions data is not entitled to confidential treatment and requires EPA to make emissions data available to the public. Thus, emissions data will not be protected as CBI and will be made publicly available.

(j) Within 60 days after the date of completing each continuous monitoring system (CMS) performance evaluation (as defined in § 63.2), you must submit the results of the performance evaluation following the procedures specified in paragraphs (j)(1) through (3) of this section.

(1) Performance evaluations of CMS measuring relative accuracy test audit (RATA) pollutants that are supported by the EPA's ERT as listed on the EPA's ERT website at the time of the evaluation. Submit the results of the performance evaluation to the EPA via CEDRI, which can be accessed through the EPA's CDX. The data must be submitted in a file format generated through the use of the EPA's ERT. Alternatively, you may submit an electronic file consistent with the XML schema listed on the EPA's ERT website.

(2) Performance evaluations of CMS measuring RATA pollutants that are not supported by the EPA's ERT as listed on the EPA's ERT website at the time of the evaluation. The results of the performance evaluation must be included as an attachment in the ERT or an alternate electronic file consistent with the XML schema listed on the EPA's ERT website. Submit the ERT generated package or alternative file to the EPA via CEDRI.

(3) Confidential Business Information (CBI). The EPA will make all the information submitted through CEDRI available to the public without further notice to you. Do not use CEDRI to submit information you claim as CBI. Anything submitted using CEDRI cannot later be claimed to be CBI. Although we do not expect persons to assert a claim of CBI, if you claim some of the information submitted under this paragraph (j) is CBI, you must submit a complete file, including information claimed to be CBI, to the EPA. The file must be generated through the use of the EPA's ERT or an alternate electronic file consistent with the XML schema listed on the EPA's ERT website. Submit the file on a compact disc, flash drive, or other commonly used electronic storage medium and clearly mark the medium as CBI. Mail the electronic medium to U.S. EPA/OAQPS/CORE CBI Office, Attention: Group Leader, Measurement Policy Group, MD C404-02, 4930 Old Page Rd., Durham, NC 27703. The same file with the CBI omitted must be submitted to the EPA via the EPA's CDX as described in this paragraph (j). All CBI claims must be asserted at the time of submission. Furthermore, under CAA section 114(c) emissions data is not entitled to confidential treatment and requires EPA to make emissions data available to the public. Thus, emissions data will not be protected as CBI and will be made publicly available.

(k) If you are required to electronically submit a report or notification through CEDRI in the EPA's CDX by this subpart, you may assert a claim of EPA system outage for failure to timely comply with the electronic submittal reporting requirement in this section. To assert a claim of EPA system outage, you must meet the requirements outlined in paragraphs (k)(1) through (7) of this section.

(1) You must have been or will be precluded from accessing CEDRI and submitting a required report within the time prescribed due to an outage of either the EPA's CEDRI or CDX systems.

(2) The outage must have occurred within the period of time beginning 5 business days prior to the date that the submission is due.

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(3) The outage may be planned or unplanned.

(4) You must submit notification to the Administrator in writing as soon as possible following the date you first knew, or through due diligence should have known, that the event may cause or has caused a delay in reporting.

(5) You must provide to the Administrator a written description identifying:

(i) The date(s) and time(s) when CDX or CEDRI was accessed and the system was unavailable;

(ii) A rationale for attributing the delay in reporting beyond the regulatory deadline to EPA system outage;

(iii) Measures taken or to be taken to minimize the delay in reporting; and

(iv) The date by which you propose to report, or if you have already met the electronic submittal requirement in this subpart at the time of the notification, the date you submitted the report.

(6) The decision to accept the claim of EPA system outage and allow an extension to the reporting deadline is solely within the discretion of the Administrator.

(7) In any circumstance, the report must be submitted electronically as soon as possible after the outage is resolved.

(l) If you are required to electronically submit a report through CEDRI in the EPA's CDX by this subpart, you may assert a claim of force majeure for failure to timely comply with the electronic submittal requirement in this section. To assert a claim of force majeure, you must meet the requirements outlined in paragraphs (l)(1) through (5) of this section.

(1) You may submit a claim if a force majeure event is about to occur, occurs, or has occurred or there are lingering effects from such an event within the period of time beginning five business days prior to the date the submission is due. For the purposes of this section, a force majeure event is defined as an event that will be or has been caused by circumstances beyond the control of the affected facility, its contractors, or any entity controlled by the affected facility that prevents you from complying with the requirement to submit a report electronically within the time period prescribed. Examples of such events are acts of nature (e.g., hurricanes, earthquakes, or floods), acts of war or terrorism, or equipment failure or safety hazard beyond the control of the affected facility (e.g., large scale power outage).

(2) You must submit notification to the Administrator in writing as soon as possible following the date you first knew, or through due diligence should have known, that the event may cause or has caused a delay in reporting.

(3) You must provide to the Administrator:

(i) A written description of the force majeure event;

(ii) A rationale for attributing the delay in reporting beyond the regulatory deadline to the force majeure event;

(iii) Measures taken or to be taken to minimize the delay in reporting; and

(iv) The date by which you propose to report, or if you have already met the electronic submittal requirement in this subpart at the time of the notification, the date you submitted the report.

(4) The decision to accept the claim of force majeure and allow an extension to the reporting deadline is solely within the discretion of the Administrator.

(5) In any circumstance, the reporting must occur as soon as possible after the force majeure event occurs.

[69 FR 46011, July 30, 2004, as amended at 85 FR 49457, Aug. 13, 2020]

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VI. WORK PRACTICE REQUIREMENTS.

 # 021 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63 Subpart DDDD Table 3]

Subpart DDDD - National Emission Standards for Hazardous Air Pollutants: Plywood and Composite Wood Products

Work Practice Requirements

[Table 3 is referenced by § 63.2241(a) for work practice requirements and only categories (5), (6), & (7) apply. Categories (1) through (4) and (8) do not apply and are omitted from this permit condition.]

(1) - (4) [Not applicable]

(5) For Group 1 miscellaneous coating operations, you must use non-HAP coatings as defined in § 63.2292.

(6) For Process units and control systems undergoing safety-related shutdown on and after August 13, 2021, except as noted in footnote "1" to this table, you must follow documented site-specific procedures such as use of automated controls or other measures that you have developed to protect workers and equipment to ensure that the flow of raw materials (such as furnish or resin) and fuel or process heat (as applicable) ceases and that material is removed from the process unit(s) as expeditiously as possible given the system design to reduce air emissions.

(7) For Pressurized refiners undergoing startup or shutdown on and after August 13, 2021, except as noted in footnote "1" to this table, you must route exhaust gases from the pressurized refiner to its dryer control system no later than 15 minutes after wood is fed to the pressurized refiner during startup. Stop wood flow into the pressurized refiner no more than 15 minutes after wood fiber and exhaust gases from the pressurized refiner stop being routed to the dryer during shutdown.

(8) [Not applicable]

FOOTNOTE 1: New or reconstructed affected sources that commenced construction or reconstruction after September 6, 2019 must comply with this requirement beginning on August 13, 2020 or upon initial startup, whichever is later.

[Source: 85 FR 49461, Aug. 13, 2020]

 # 022 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.2241]

Subpart DDDD - National Emission Standards for Hazardous Air Pollutants: Plywood and Composite Wood Products

What are the work practice requirements and how must I meet them?

(a) You must meet each work practice requirement in Table 3 to this subpart that applies to you.

[Details of Table 3 are printed in a separate condition in this section of the permit.]

(b) As provided in § 63.6(g), we, the EPA, may choose to grant you permission to use an alternative to the work practice requirements in this section.

(c) [Not applicable]

[Source: 69 FR 46011, July 30, 2004]

 # 023 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.2250]

Subpart DDDD - National Emission Standards for Hazardous Air Pollutants: Plywood and Composite Wood Products

What are the general requirements?

(a) - (b) [No longer applicable after August 13, 2021.]

(c) [Reserved; the SSM plan is no longer required by Subpart DDDD.]

(d) [Not applicable]

(e) You must be in compliance with the provisions of subpart A of this part, except as noted in Table 10 to this subpart.

(f) Upon August 13, 2020 or initial startup of the affected source, whichever is later, for affected sources that commenced construction or reconstruction after September 6, 2019, and on and after August 13, 2021 for all other affected sources, you must be in compliance with the compliance options, operating requirements, and the work practice requirements in this subpart when the process unit(s) subject to the compliance options, operating requirements, and work practice

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requirements are operating, except as specified in paragraphs (f)(1) through (6) of this section.

(1) Prior to process unit initial startup.

(2) During safety-related shutdowns conducted according to the work practice requirement in Table 3 to this subpart.

(3) During pressurized refiner startup and shutdown according to the work practice requirement in Table 3 to this subpart.

(4) [Not applicable]

(5) You must minimize the length of time when compliance options and operating requirements in this subpart are not met due to the conditions in paragraphs (f)(2) and (4) of this section.

(6) The applicable standard during each of the operating conditions specified in paragraphs (f)(2) through (4) of this section are the work practice requirements in Table 3 to this subpart for safety-related shutdowns (row 6), pressurized refiner startup and shutdown (row 7), and direct-fired softwood veneer dryers undergoing startup or shutdown of gas-fired burners (row 8). The otherwise applicable compliance options, operating requirements, and work practice requirements (in rows 1 through 5 of Table 3 to this subpart) do not apply during the operating conditions specified in paragraphs (f)(2) through (4) of this section.

(g) For affected sources that commenced construction or reconstruction after September 6, 2019, and for all other affected sources on and after August 13, 2021, you must always operate and maintain your affected source, including air pollution control and monitoring equipment in a manner consistent with good air pollution control practices for minimizing emissions at least to the levels required by this subpart. The general duty to minimize emissions does not require you to make any further efforts to reduce emissions if levels required by the applicable standard have been achieved. Determination of whether a source is operating in compliance with operation and maintenance requirements will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

[69 FR 46011, July 30, 2004, as amended at 71 FR 8372, Feb. 16, 2006; 71 FR 20463, Apr. 20, 2006; 85 FR 49455, Aug. 13, 2020]

 # 024 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.2251]

Subpart DDDD - National Emission Standards for Hazardous Air Pollutants: Plywood and Composite Wood Products

What are the requirements for the routine control device maintenance exemption?

(a) You may request a routine control device maintenance exemption from the EPA Administrator for routine maintenance events such as control device bakeouts, washouts, media replacement, and replacement of corroded parts. Your request must justify the need for the routine maintenance on the control device and the time required to accomplish the maintenance activities, describe the maintenance activities and the frequency of the maintenance activities, explain why the maintenance cannot be accomplished during process shutdowns, describe how you plan to make reasonable efforts to minimize emissions during the maintenance, and provide any other documentation required by the EPA Administrator.

(b) The routine control device maintenance exemption must not exceed the percentages of process unit operating uptime in paragraphs (b)(1) and (2) of this section.

(1) If the control device is used to control a green rotary dryer, tube dryer, rotary strand dryer, or pressurized refiner, then the routine control device maintenance exemption must not exceed 3 percent of annual operating uptime for each process unit controlled.

(2) If the control device is used to control a softwood veneer dryer, reconstituted wood product press, reconstituted wood product board cooler, hardboard oven, press predryer, conveyor strand dryer, or fiberboard mat dryer, then the routine control device maintenance exemption must not exceed 0.5 percent of annual operating uptime for each process unit controlled.

(3) If the control device is used to control a combination of equipment listed in both paragraphs (b)(1) and (2) of this section, such as a tube dryer and a reconstituted wood product press, then the routine control device maintenance

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exemption must not exceed 3 percent of annual operating uptime for each process unit controlled.

(c) The request for the routine control device maintenance exemption, if approved by the EPA Administrator, must be IBR in and attached to the affected source's title V permit.

(d) The compliance options and operating requirements do not apply during times when control device maintenance covered under your approved routine control device maintenance exemption is performed. You must minimize emissions to the greatest extent possible during these routine control device maintenance periods.

(e) To the extent practical, startup and shutdown of emission control systems must be scheduled during times when process equipment is also shut down.

[Source: 69 FR 46011, July 30, 2004]

 # 025 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.2252]

Subpart DDDD - National Emission Standards for Hazardous Air Pollutants: Plywood and Composite Wood Products

What are the requirements for process units that have no control or work practice requirements?

For process units not subject to the compliance options or work practice requirements specified in § 63.2240 (including, but not limited to, lumber kilns), you are not required to comply with the compliance options, work practice requirements, performance testing, monitoring, and recordkeeping or reporting requirements of this subpart, or any other requirements in subpart A of this part, except for the initial notification requirements in § 63.9(b).

[85 FR 49455, Aug. 13, 2020]

VII. ADDITIONAL REQUIREMENTS.

 # 026 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63 Subpart DDDD Table 10]

Subpart DDDD - National Emission Standards for Hazardous Air Pollutants: Plywood and Composite Wood Products

Applicability of General Provisions to Subpart DDDD

[Refer to regulation for Table 10 of 40 CFR Part 63 Subpart DDDD. A copy of Table 10 is available at this web address: https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-63/subpart-DDDD/appendix-Table%2010%20to%20Subpart%20DDDD%20of%20Part%2063]

 # 027 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.2232]

Subpart DDDD - National Emission Standards for Hazardous Air Pollutants: Plywood and Composite Wood Products

What parts of my plant does this subpart cover?

(a) This subpart applies to each new, reconstructed, or existing affected source at a PCWP manufacturing facility.

(b) The affected source is the collection of dryers, refiners, blenders, formers, presses, board coolers, and other process units associated with the manufacturing of plywood and composite wood products. The affected source includes, but is not limited to, green end operations, refining, drying operations (including any combustion unit exhaust stream routinely used to direct fire process unit(s)), resin preparation, blending and forming operations, pressing and board cooling operations, and miscellaneous finishing operations (such as sanding, sawing, patching, edge sealing, and other finishing operations not subject to other national emission standards for hazardous air pollutants (NESHAP)). The affected source also includes onsite storage and preparation of raw materials used in the manufacture of plywood and/or composite wood products, such as resins; onsite wastewater treatment operations specifically associated with plywood and composite wood products manufacturing; and miscellaneous coating operations (§ 63.2292). The affected source includes lumber kilns at PCWP manufacturing facilities and at any other kind of facility.

(c) An affected source is a new affected source if you commenced construction of the affected source after January 9, 2003, and you meet the applicability criteria at the time you commenced construction.

(d) An affected source is reconstructed if you meet the criteria as defined in § 63.2.

(e) An affected source is existing if it is not new or reconstructed.

[69 FR 46011, July 30, 2004, as amended at 71 FR 8371, Feb. 16, 2006]

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 # 028 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.2233]

Subpart DDDD - National Emission Standards for Hazardous Air Pollutants: Plywood and Composite Wood Products

When do I have to comply with this subpart?

(a) If you have a new or reconstructed affected source, you must comply with this subpart according to paragraph (a)(1) or (2) of this section, whichever is applicable.

(1) If the initial startup of your affected source is before September 28, 2004, then you must comply with the compliance options, operating requirements, and work practice requirements for new and reconstructed sources in this subpart no later than September 28, 2004, except as otherwise specified in §§ 63.2250, 63.2280(b) and (d), 63.2281(b)(6), and 63.2282(a)(2) and Tables 3, 6, 7, 8, 9, and 10 to this subpart.

(2) If the initial startup of your affected source is after September 28, 2004, then you must comply with the compliance options, operating requirements, and work practice requirements for new and reconstructed sources in this subpart upon initial startup of your affected source, except as otherwise specified in §§ 63.2250, 63.2280(b) and (d), 63.2281(b)(6), and 63.2282(a)(2) and Tables 3, 6, 7, 8, 9, and 10 to this subpart.

(b) If you have an existing affected source, you must comply with the compliance options, operating requirements, and work practice requirements for existing sources no later than October 1, 2007, except as otherwise specified in §§ 63.2240(c)(2)(vi)(A), 63.2250, 63.2280(b) and (d), 63.2281(b)(6) and (c)(4), and 63.2282(a)(2) and Tables 3, 6, 7, 8, 9, and 10 to this subpart.

(c) [Not applicable]

(d) You must meet the notification requirements according to the schedule in § 63.2280 and according to 40 CFR part 63, subpart A. Some of the notifications must be submitted before you are required to comply with the compliance options, operating requirements, and work practice requirements in this subpart.

[69 FR 46011, July 30, 2004, as amended at 71 FR 8372, Feb. 16, 2006; 72 FR 61062, Oct. 29, 2007; 85 FR 49455, Aug. 13, 2020]

 # 029 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.2290]

Subpart DDDD - National Emission Standards for Hazardous Air Pollutants: Plywood and Composite Wood Products

What parts of the General Provisions apply to me?

Table 10 to this subpart shows which parts of the general provisions in §§ 63.1 through 63.16 apply to you.

[A copy of Table 10 is available at this web address: https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-63/subpart-DDDD/appendix-Table%2010%20to%20Subpart%20DDDD%20of%20Part%2063]

[85 FR 49460, Aug. 13, 2020]

 # 030 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.2291]

Subpart DDDD - National Emission Standards for Hazardous Air Pollutants: Plywood and Composite Wood Products

Who implements and enforces this subpart?

(a) This subpart can be implemented and enforced by the U.S. EPA or a delegated authority such as your State, local, or tribal agency. If the EPA Administrator has delegated authority to your State, local, or tribal agency, then that agency has the authority to implement and enforce this subpart. You should contact your EPA Regional Office to find out if this subpart is delegated to your State, local, or tribal agency.

(b) In delegating implementation and enforcement authority of this subpart to a State, local, or tribal agency under 40 CFR part 63, subpart E, the authorities contained in paragraph (c) of this section are retained by the EPA Administrator and are not transferred to the State, local, or tribal agency.

(c) The authorities that will not be delegated to State, local, or tribal agencies are listed in paragraphs (c)(1) through (5) of this section.

(1) Approval of alternatives to the compliance options, operating requirements, and work practice requirements in §§ 63.2240 and 63.2241 as specified in § 63.6(g). For the purposes of delegation authority under 40 CFR part 63, subpart E,

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"compliance options" represent "emission limits"; "operating requirements" represent "operating limits"; and "work practice requirements" represent "work practice standards."

(2) Approval of major alternatives to test methods as specified in § 63.7(e)(2)(ii) and (f) and as defined in § 63.90.

(3) Approval of major alternatives to monitoring as specified in § 63.8(f) and as defined in § 63.90.

(4) Approval of major alternatives to recordkeeping and reporting as specified in § 63.10(f) and as defined in § 63.90.

(5) Approval of an alternative to any electronic reporting to the EPA required by this subpart.

[69 FR 46011, July 30, 2004, as amended at 72 FR 61063, Oct. 29, 2007; 85 FR 49460, Aug. 13, 2020]

 # 031 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.2292]

Subpart DDDD - National Emission Standards for Hazardous Air Pollutants: Plywood and Composite Wood Products

What definitions apply to this subpart?

Terms used in this subpart are defined in the Clean Air Act (CAA), in 40 CFR 63.2, the General Provisions, and in this section as follows:

Affected source means the collection of dryers, refiners, blenders, formers, presses, board coolers, and other process units associated with the manufacturing of plywood and composite wood products. The affected source includes, but is not limited to, green end operations, refining, drying operations (including any combustion unit exhaust stream routinely used to direct fire process unit(s)), resin preparation, blending and forming operations, pressing and board cooling operations, and miscellaneous finishing operations (such as sanding, sawing, patching, edge sealing, and other finishing operations not subject to other NESHAP). The affected source also includes onsite storage of raw materials used in the manufacture of plywood and/or composite wood products, such as resins; onsite wastewater treatment operations specifically associated with plywood and composite wood products manufacturing; and miscellaneous coating operations (defined elsewhere in this section). The affected source includes lumber kilns at PCWP manufacturing facilities and at any other kind of facility.

Agricultural fiber means the fiber of an annual agricultural crop. Examples of agricultural fibers include, but are not limited to, wheat straw, rice straw, and bagasse.

Biofilter means an enclosed control system such as a tank or series of tanks with a fixed roof that contact emissions with a solid media (such as bark) and use microbiological activity to transform organic pollutants in a process exhaust stream to innocuous compounds such as carbon dioxide, water, and inorganic salts. Wastewater treatment systems such as aeration lagoons or activated sludge systems are not considered to be biofilters.

Capture device means a hood, enclosure, or other means of collecting emissions into a duct so that the emissions can be measured.

Capture efficiency means the fraction (expressed as a percentage) of the pollutants from an emission source that are collected by a capture device.

Catalytic oxidizer means a control system that combusts or oxidizes, in the presence of a catalyst, exhaust gas from a process unit. Catalytic oxidizers include regenerative catalytic oxidizers and thermal catalytic oxidizers.

Combustion unit means a dryer burner, process heater, or boiler. Combustion units may be used for combustion of organic HAP emissions.

Control device means any equipment that reduces the quantity of HAP emitted to the air. The device may destroy the HAP or secure the HAP for subsequent recovery. Control devices include, but are not limited to, thermal or catalytic oxidizers, combustion units that incinerate process exhausts, biofilters, and condensers.

Control system or add-on control system means the combination of capture and control devices used to reduce HAP emissions to the atmosphere.

Conveyor strand dryer means a conveyor dryer used to reduce the moisture of wood strands used in the manufacture of

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oriented strandboard, laminated strand lumber, or other wood strand-based products. A conveyor strand dryer is a process unit.

Conveyor strand dryer zone means each portion of a conveyor strand dryer with a separate heat exchange system and exhaust vent(s). Conveyor strand dryers contain multiple zones (e.g., three zones), which may be divided into multiple sections.

Deviation means any instance in which an affected source subject to this subpart, or an owner or operator of such a source:

(1) Fails to meet any requirement or obligation established by this subpart including, but not limited to, any compliance option, operating requirement, or work practice requirement;

(2) Fails to meet any term or condition that is adopted to implement an applicable requirement in this subpart, and that is included in the operating permit for any affected source required to obtain such a permit; or

(3) Fails to meet any compliance option, operating requirement, or work practice requirement in this subpart during startup, shutdown, or malfunction, regardless of whether or not such failure is permitted by this subpart. A deviation is not always a violation. The determination of whether a deviation constitutes a violation of the standard is up to the discretion of the entity responsible for enforcement of the standards.

Direct-fired process unit means a process unit that is heated by the passing of combustion exhaust through the process unit such that the process material is contacted by the combustion exhaust.

Dryer heated zones means the zones of a softwood veneer dryer or fiberboard mat dryer that are equipped with heating and hot air circulation units. The cooling zone(s) of the dryer through which ambient air is blown are not part of the dryer heated zones.

Dry forming means the process of making a mat of resinated fiber to be compressed into a reconstituted wood product such as particleboard, oriented strandboard, medium density fiberboard, or hardboard.

Dry rotary dryer means a rotary dryer that dries wood particles or fibers with a maximum inlet moisture content of less than or equal to 30 percent (by weight, dry basis) and operates with a maximum inlet temperature of less than or equal to 600 °F. A dry rotary dryer is a process unit.

Engineered wood product means a product made with lumber, veneers, strands of wood, or from other small wood elements that are bound together with resin. Engineered wood products include, but are not limited to, laminated strand lumber, laminated veneer lumber, parallel strand lumber, wood I-joists, and glue-laminated beams.

Fiber means the discrete elements of wood or similar cellulosic material, which are separated by mechanical means, as in refining, that can be formed into boards.

Fiberboard means a composite panel composed of cellulosic fibers (usually wood or agricultural material) made by wet forming and compacting a mat of fibers. Fiberboard density generally is less than 0.50 grams per cubic centimeter (31.5 pounds per cubic foot).

Fiberboard mat dryer means a dryer used to reduce the moisture of wet-formed wood fiber mats by applying heat. A fiberboard mat dryer is a process unit.

Flame zone means the portion of the combustion chamber in a combustion unit that is occupied by the flame envelope.

Furnish means the fibers, particles, or strands used for making boards.

Glue-laminated beam means a structural wood beam made by bonding lumber together along its faces with resin.

Green rotary dryer means a rotary dryer that dries wood particles or fibers with an inlet moisture content of greater than 30 percent (by weight, dry basis) at any dryer inlet temperature or operates with an inlet temperature of greater than 600 °F with any inlet moisture content. A green rotary dryer is a process unit.

SECTION E. Source Group Restrictions.

Group 1 miscellaneous coating operations means application of edge seals, nail lines, logo (or other information) paint, shelving edge fillers, trademark/gradestamp inks, and wood putty patches to plywood and composite wood products (except kiln-dried lumber) on the same site where the plywood and composite wood products are manufactured. Group 1 miscellaneous coating operations also include application of synthetic patches to plywood at new affected sources.

Hardboard means a composite panel composed of inter-felted cellulosic fibers made by dry or wet forming and pressing of a resinated fiber mat. Hardboard generally has a density of 0.50 grams per cubic centimeter (31.5 pounds per cubic foot) or greater.

Hardboard oven means an oven used to heat treat or temper hardboard after hot pressing. Humidification chambers are not considered as part of hardboard ovens. A hardboard oven is a process unit.

Hardwood means the wood of a broad-leafed tree, either deciduous or evergreen. Examples of hardwoods include, but are not limited to, aspen, birch, poplar, and oak.

Hardwood veneer dryer means a dryer that removes excess moisture from veneer by conveying the veneer through a heated medium on rollers, belts, cables, or wire mesh. Hardwood veneer dryers are used to dry veneer with less than 30 percent softwood species on an annual volume basis. Veneer kilns that operate as batch units, veneer dryers heated by radio frequency or microwaves that are used to redry veneer, and veneer redryers (defined elsewhere in this section) that are heated by conventional means are not considered to be hardwood veneer dryers. A hardwood veneer dryer is a process unit.

Kiln-dried lumber means solid wood lumber that has been dried in a lumber kiln.

Laminated strand lumber (LSL) means a composite product formed into a billet made of thin wood strands cut from whole logs, resinated, and pressed together with the grain of each strand oriented parallel to the length of the finished product.

Laminated veneer lumber (LVL) means a composite product formed into a billet made from layers of resinated wood veneer sheets or pieces pressed together with the grain of each veneer aligned primarily along the length of the finished product. Laminated veneer lumber is also known as parallel strand lumber (PSL).

Lumber means boards or planks sawed or split from logs or timber, including logs or timber processed for use as utility poles or other wood components. Lumber can be either green (non-dried) or dried. Lumber is typically either air-dried or kiln-dried.

Lumber kiln means an enclosed dryer operated by applying heat to reduce the moisture content of lumber.

Medium density fiberboard (MDF) means a composite panel composed of cellulosic fibers (usually wood or agricultural fiber) made by dry forming and pressing of a resinated fiber mat.

Method detection limit means the minimum concentration of an analyte that can be determined with 99 percent confidence that the true value is greater than zero.

Miscellaneous coating operations means application of any of the following to plywood or composite wood products: edge seals, moisture sealants, anti-skid coatings, company logos, trademark or grade stamps, nail lines, synthetic patches, wood patches, wood putty, concrete forming oils, glues for veneer composing, and shelving edge fillers. Miscellaneous coating operations also include the application of primer to oriented strandboard siding that occurs at the same site as oriented strandboard manufacture and application of asphalt, clay slurry, or titanium dioxide coatings to fiberboard at the same site of fiberboard manufacture.

Molded particleboard means a shaped composite product (other than a composite panel) composed primarily of cellulosic materials (usually wood or agricultural fiber) generally in the form of discrete pieces or particles, as distinguished from fibers, which are pressed together with resin.

MSF means thousand square feet (92.9 square meters). Square footage of panels is usually measured on a thickness basis, such as3/8-inch, to define the total volume of panels. Equation 3 of § 63.2262(j) shows how to convert from one thickness basis to another.

SECTION E. Source Group Restrictions.

Nondetect data means, for the purposes of this subpart, any value that is below the method detection limit.

Non-HAP coating means a coating with HAP contents below 0.1 percent by mass for Occupational Safety and Health Administration-defined carcinogens as specified in section A.6.4 of appendix A to 29 CFR 1910.1200, and below 1.0 percent by mass for other HAP compounds.

1-hour period means a 60-minute period.

Oriented strandboard (OSB) means a composite panel produced from thin wood strands cut from whole logs, formed into resinated layers (with the grain of strands in one layer oriented perpendicular to the strands in adjacent layers), and pressed.

Oven-dried ton(s) (ODT) means tons of wood dried until all of the moisture in the wood is removed. One oven-dried ton equals 907 oven-dried kilograms.

Parallel strand lumber (PSL) means a composite product formed into a billet made from layers of resinated wood veneer sheets or pieces pressed together with the grain of each veneer aligned primarily along the length of the finished product. Parallel strand lumber is also known as laminated veneer lumber (LVL).

Partial wood products enclosure means an enclosure that does not meet the design criteria for a wood products enclosure as defined in this subpart.

Particle means a discrete, small piece of cellulosic material (usually wood or agricultural fiber) produced mechanically and used as the aggregate for a particleboard.

Particleboard means a composite panel composed primarily of cellulosic materials (usually wood or agricultural fiber) generally in the form of discrete pieces or particles, as distinguished from fibers, which are pressed together with resin.

Plywood means a panel product consisting of layers of wood veneers hot pressed together with resin. Plywood includes panel products made by hot pressing (with resin) veneers to a substrate such as particleboard, medium density fiberboard, or lumber. Plywood products may be flat or curved.

Plywood and composite wood products (PCWP) manufacturing facility means a facility that manufactures plywood and/or composite wood products by bonding wood material (fibers, particles, strands, veneers, etc.) or agricultural fiber, generally with resin under heat and pressure, to form a panel, engineered wood product, or other product defined in § 63.2292. Plywood and composite wood products manufacturing facilities also include facilities that manufacture dry veneer and lumber kilns located at any facility. Plywood and composite wood products include, but are not limited to, plywood, veneer, particleboard, molded particleboard, oriented strandboard, hardboard, fiberboard, medium density fiberboard, laminated strand lumber, laminated veneer lumber, wood I-joists, kiln-dried lumber, and glue-laminated beams.

Press predryer means a dryer used to reduce the moisture and elevate the temperature by applying heat to a wet-formed fiber mat before the mat enters a hot press. A press predryer is a process unit.

Pressurized refiner means a piece of equipment operated under pressure for preheating (usually by steaming) wood material and refining (rubbing or grinding) the wood material into fibers. Pressurized refiners are operated with continuous infeed and outfeed of wood material and maintain elevated internal pressures (i.e., there is no pressure release) throughout the preheating and refining process. A pressurized refiner is a process unit.

Primary tube dryer means a single-stage tube dryer or the first stage of a multi-stage tube dryer. Tube dryer stages are separated by vents for removal of moist gases between stages (e.g., a product cyclone at the end of a single-stage dryer or between the first and second stages of a multi-stage tube dryer). The first stage of a multi-stage tube dryer is used to remove the majority of the moisture from the wood furnish (compared to the moisture reduction in subsequent stages of the tube dryer). Blow-lines used to apply resin are considered part of the primary tube dryer. A primary tube dryer is a process unit.

Process unit means equipment classified according to its function such as a blender, dryer, press, former, or board cooler.

SECTION E. Source Group Restrictions.

Reconstituted wood product board cooler means a piece of equipment designed to reduce the temperature of a board by means of forced air or convection within a controlled time period after the board exits the reconstituted wood product press unloader. Board coolers include wicket and star type coolers commonly found at medium density fiberboard and particleboard plants. Board coolers do not include cooling sections of dryers (e.g., veneer dryers or fiberboard mat dryers) or coolers integrated into or following hardboard bake ovens or humidifiers. A reconstituted wood product board cooler is a process unit.

Reconstituted wood product press means a press, including (if applicable) the press unloader, that presses a resinated mat of wood fibers, particles, or strands between hot platens or hot rollers to compact and set the mat into a panel by simultaneous application of heat and pressure. Reconstituted wood product presses are used in the manufacture of hardboard, medium density fiberboard, particleboard, and oriented strandboard. Extruders are not considered to be reconstituted wood product presses. A reconstituted wood product press is a process unit.

Representative operating conditions means operation of a process unit during performance testing under the conditions that the process unit will typically be operating in the future, including use of a representative range of materials (e.g., wood material of a typical species mix and moisture content or typical resin formulation) and representative operating temperature range. Representative operating conditions exclude periods of startup and shutdown.

Resin means the synthetic adhesive (including glue) or natural binder, including additives, used to bond wood or other cellulosic materials together to produce plywood and composite wood products.

Responsible official means responsible official as defined in 40 CFR 70.2 and 40 CFR 71.2.

Rotary strand dryer means a rotary dryer operated by applying heat and used to reduce the moisture of wood strands used in the manufacture of oriented strandboard, laminated strand lumber, or other wood strand-based products. A rotary strand dryer is a process unit.

Safety-related shutdown means an unscheduled shutdown of a process unit subject to a compliance option in Table 1B to this subpart (or a process unit with HAP control under an emissions averaging plan developed according to § 63.2240(c)) during which time emissions from the process unit cannot be safely routed to the control system in place to meet the compliance options or operating requirements in this subpart without imminent danger to the process, control system, or system operator.

Secondary tube dryer means the second stage and subsequent stages following the primary stage of a multi-stage tube dryer. Secondary tube dryers, also referred to as relay dryers, operate at lower temperatures than the primary tube dryer they follow. Secondary tube dryers are used to remove only a small amount of the furnish moisture compared to the furnish moisture reduction across the primary tube dryer. A secondary tube dryer is a process unit.

Softwood means the wood of a coniferous tree. Examples of softwoods include, but are not limited to, Southern yellow pine, Douglas fir, and White spruce.

Softwood veneer dryer means a dryer that removes excess moisture from veneer by conveying the veneer through a heated medium, generally on rollers, belts, cables, or wire mesh. Softwood veneer dryers are used to dry veneer with greater than or equal to 30 percent softwood species on an annual volume basis. Veneer kilns that operate as batch units, veneer dryers heated by radio frequency or microwaves that are used to redry veneer, and veneer redryers (defined elsewhere in this section) that are heated by conventional means are not considered to be softwood veneer dryers. A softwood veneer dryer is a process unit.

Startup means bringing equipment online and starting the production process.

Startup, initial means the first time equipment is put into operation. Initial startup does not include operation solely for testing equipment. Initial startup does not include subsequent startups (as defined in this section) following malfunction or shutdowns or following changes in product or between batch operations. Initial startup does not include startup of equipment that occurred when the source was an area source.

Strand means a long (with respect to thickness and width), flat wood piece specially cut from a log for use in oriented strandboard, laminated strand lumber, or other wood strand-based product.

SECTION E. Source Group Restrictions.

Temporary total enclosure (TTE) means an enclosure constructed for the purpose of measuring the capture efficiency of pollutants emitted from a given source, as defined in Method 204 of 40 CFR part 51, appendix M.

Thermal oxidizer means a control system that combusts or oxidizes exhaust gas from a process unit. Thermal oxidizers include regenerative thermal oxidizers and combustion units.

Total hazardous air pollutant emissions means, for purposes of this subpart, the sum of the emissions of the following six compounds: acetaldehyde, acrolein, formaldehyde, methanol, phenol, and propionaldehyde.

Tube dryer means a single-stage or multi-stage dryer operated by applying heat to reduce the moisture of wood fibers or particles as they are conveyed (usually pneumatically) through the dryer. Resin may or may not be applied to the wood material before it enters the tube dryer. Tube dryers do not include pneumatic fiber transport systems that use temperature and humidity conditioned pneumatic system supply air in order to prevent cooling of the wood fiber as it is moved through the process. A tube dryer is a process unit.

Veneer means thin sheets of wood peeled or sliced from logs for use in the manufacture of wood products such as plywood, laminated veneer lumber, or other products.

Veneer redryer means a dryer heated by conventional means, such as direct wood-fired, direct-gas-fired, or steam heated, that is used to redry veneer that has been previously dried. Because the veneer dried in a veneer redryer has been previously dried, the inlet moisture content of the veneer entering the redryer is less than 25 percent (by weight, dry basis). Batch units used to redry veneer (such as redry cookers) are not considered to be veneer redryers. A veneer redryer is a process unit.

Wet control device means any equipment that uses water as a means of collecting an air pollutant. Wet control devices include scrubbers, wet electrostatic precipitators, and electrified filter beds. Wet control devices do not include biofilters or other equipment that destroys or degrades HAP.

Wet forming means the process of making a slurry of water, fiber, and additives into a mat of fibers to be compressed into a fiberboard or hardboard product.

Wood I-joists means a structural wood beam with an I-shaped cross section formed by bonding (with resin) wood or laminated veneer lumber flanges onto a web cut from a panel such as plywood or oriented strandboard.

Wood products enclosure means a permanently installed containment that was designed to meet the following physical design criteria:

(1) Any natural draft opening shall be at least four equivalent opening diameters from each HAP-emitting point, except for where board enters and exits the enclosure, unless otherwise specified by the EPA Administrator.

(2) The total area of all natural draft openings shall not exceed 5 percent of the surface area of the enclosure's four walls, floor, and ceiling.

(3) The average facial velocity of air through all natural draft openings shall be at least 3,600 meters per hour (200 feet per minute). The direction of airflow through all natural draft openings shall be into the enclosure.

(4) All access doors and windows whose areas are not included in item 2 of this definition and are not included in the calculation of facial velocity in item 3 of this definition shall be closed during routine operation of the process.

(5) The enclosure is designed and maintained to capture all emissions for discharge through a control device.

Work practice requirement means any design, equipment, work practice, or operational standard, or combination thereof, that is promulgated pursuant to section 112(h) of the CAA.

[69 FR 46011, July 30, 2004, as amended at 71 FR 8372, Feb. 16, 2006; 85 FR 49460, Aug. 13, 2020]

SECTION E. Source Group Restrictions.

 # 032 [40 CFR Part 63 NESHAPS for Source Categories §Appendix A to Subpart DDDD of 40 CFR 63]

Subpart DDDD - National Emission Standards for Hazardous Air Pollutants: Plywood and Composite Wood Products

Alternative Procedure to Determine Capture Efficiency From Enclosures Around Hot Presses in the Plywood and Composite Wood Products Industry Using Sulfur Hexafluoride Tracer Gas

Appendix A to Subpart DDDD of Part 63—Alternative Procedure To Determine Capture Efficiency From Enclosures Around Hot Presses in the Plywood and Composite Wood Products Industry Using Sulfur Hexafluoride Tracer Gas

[A copy of Appendix A is available at this web address: https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-63/subpart-DDDD/appendix-Appendix%20A%20to%20Subpart%20DDDD%20of%20Part%2063]

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

SECTION E. Source Group Restrictions.

Group Name: 11 - STACK TESTING

Group Description: General requirements for stack testing for RTO, TCO, and Source 115A, Board Breaker

Sources included in this group

ID	Name
115A	BOARD BREAKER
120M	MDF REFINER
121M	MDF FIRST STAGE WESTEC FIBER DRYER
122M	MDF SECOND STAGE FIBER DRYER
124M	MDF PRESS & UNLOADER
125M	MDF BOARD COOLER
128M	MDF SYSTEM 10 - PRIMARY SANDER
129M	MDF SYSTEM 11 - SECONDARY SANDER
130M	MDF SYSTEM 9 - SAWS
132M	MDF WESTEC PANEL BURNER
133M	MDF WESTEC COEN BURNER
134M	MDF GEKA COEN BURNER
135M	MDF STANDBY GAS FIRED OIL HEATER GEKA AUX

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.

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[The Source Testing Manual is PA DEP document number 274-0300-002. A copy can be obtained at this web address: http://www.depgreenport.state.pa.us/elibrary/GetFolder?Folder ID=4563]

(a) At least 90 calendar days prior to commencing an emissions testing program, a test protocol shall be submitted to the Department for review and approval in accordance with paragraph (i) of this condition. The test protocol shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.

(b) When testing of a source is required on a recurring basis, a single procedural protocol may be submitted for approval; thereafter, a letter, submitted at least 90 calendar days prior to commencing an emissions testing program, referencing the previously approved procedural protocol is sufficient if the letter is approved by the Department. The letter shall be submitted as required in paragraph (a).

If modifications are made to the process(es) or if a different stack testing company is used or if an applicable section of the stack test manual has been revised since the previous approval, a new protocol is required to be submitted for approval.

(c) Pursuant to 25 Pa. Code §§ 139.53(a)(1) and 139.53(a)(3):

(1) Submittals pertaining to emissions testing, specifically test protocols and test reports, shall be made by emailing electronic copies submissions to both PSIMS Administration in Central Office and to the Regional Office AQ Program at the following e-mail addresses:

CENTRAL OFFICE:
RA-EPstacktesting@pa.gov

NORTHWEST REGIONAL OFFICE:
RA-EPNWstacktesting@pa.gov

(2) The notifications of emissions testing dates shall be submitted directly to:

SECTION E. Source Group Restrictions.

(i) the DEP's OnBase electronic upload website where it will be forwarded to the Northwest Regional Office Air Quality Inspector. Upload the written notification at this web address:
https://www.dep.pa.gov/DataandTools/Pages/Application-Form-Upload.aspx

(ii) IF the Protocol Reviewer at Central Office Division of Source Testing requested a copy of the notification, then submit a copy to the email address provided by the protocol reviewer.

(d) At least 15 calendar days prior to commencing an emission testing program, notification as to the date and time of testing shall be given to the Department in accordance with paragraph (c) of this condition. Notification shall not be made and testing shall not proceed without prior receipt of a Protocol Acceptance letter from the Department.

(e) If the proposed testing did not occur per the required notification in paragraph (d) above, an electronic notification shall be sent within 15 calendar days after the expected completion date of the onsite testing to the Department, in accordance with paragraph (c) of this condition, indicating why the proposed completion date of the on-site testing was not adhered to.

(f) A complete test report shall be submitted to the Department no later than 60 calendar days after completion of the onsite testing portion of an emission test program.

(g) A complete test report shall include a summary of the emission results on the first page of the report indicating if each pollutant measured is within permitted limits and a statement of compliance or non-compliance with all applicable permit conditions. The summary results will include, at a minimum, the following information:

(1) A statement that the owner or operator has reviewed the report from the emissions testing body and agrees with the findings.

(2) Permit number(s) and condition(s) which are the basis for the evaluation.

(3) Summary of results with respect to each applicable permit condition.

(4) Statement of compliance or non-compliance with each applicable permit condition.

(h) Pursuant to 25 Pa. Code § 139.3, all submittals shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.

(i) All testing shall be performed in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection.

(j) The permittee shall ensure all federal reporting requirements contained in the applicable subpart of 40 CFR are followed, including timelines more stringent than those contained herein. In the event of an inconsistency or any conflicting requirements between state and the federal, the most stringent provision, term, condition, method or rule shall be used by default.

(k) Actions Related to Noncompliance Demonstrated by a Stack Test:

(1) If the results of a stack test, performed as required by this permit, exceed the level specified in any condition of this approval, the Permittee shall take appropriate corrective actions. Within 30 days of the Permittee receiving the stack test results, a written description of the corrective actions shall be submitted to the Department. The Permittee shall take appropriate action to minimize emissions from the affected facility while the corrective actions are being implemented. The Department shall notify the Permittee within 30 days, if the corrective actions taken are deficient. Within 30 days of receipt of the notice of deficiency, the Permittee shall submit a description of additional corrective actions to the Department. The Department reserves the authority to use enforcement activities to resolve noncompliant stack tests.

(2) If the results of the required stack test exceed any limit defined in this permit, the test was not performed in accordance with the stack test protocol or the source and/or air cleaning device was not operated in accordance with the permit, then another stack test shall be performed to determine compliance. Within 120 days of the Permittee receiving the original stack test results, a retest shall be performed. The Department may extend the retesting deadline if the Permittee demonstrates, to the Department's satisfaction, that retesting within 120 days is not practicable.

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).

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 F. Alternative Operation Requirements.

Alternative Operation Name: LOW FIRE OPERATION

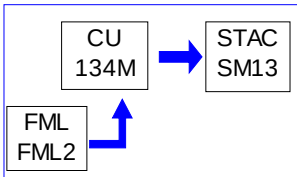
#001 CHANGES FROM NORMAL OPERATION

The source may operate uncontrolled at <10 mmbtu/hr (Low Fire) during shutdown events (i.e. no raw material is routed to the dryer system) in order to maintain the integrity of the refractory block and thermal oil used in the system.

Sources included in this Alternative Operation:

ID	Name	Source Type
134M	MDF GEKA COEN BURNER	Combustion Unit

Alternative Operation Map:



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §123.11]

Combustion units

A person may not permit the emission into the outdoor atmosphere of particulate matter from a combustion unit in excess of the rate of 0.4 pound per million Btu of heat input, when the heat input to the combustion unit in millions of Btus per hour is greater than 2.5 but less than 50.

 # 002 [25 Pa. Code §123.22]

Combustion units

A person may not permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO2, from a combustion unit in excess of the rate of 4 pounds per million Btu of heat input over a 1-hour period.

Operation Hours Restriction(s).

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Maximum operating hours under low fire operation shall not exceed 2,496 hours per year.

[This operating permit condition is added to the TV operating permit in 2024 and is based upon the 1/16/2017 RFD.]

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 §127.12b]

Plan approval terms and conditions.

The permittee shall maintain the following records during Low Fire operating condition:

(a) Start date/time and End date/time of the Low Fire operating condition.

(b) The average heat input during the Low Fire operating condition.

SECTION F. Alternative Operation Requirements.

[From Plan Approval 42-158R]

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.

 # 005 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

No raw material shall be introduced into the dryer system during Low Fire Operation.

[From Plan Approval 42-158R]

VII. ADDITIONAL REQUIREMENTS.

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

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

SECTION G. Emission Restriction Summary.

Source Id	Source Description
132M	MDF WESTEC PANEL BURNER

Emission Limit			Pollutant
1.950	Tons/Yr	based on a consecutive 12-month period from MDF Dryer Abort Stack (SM17) [Plan Approval 42-158R]	CO
46.370	Lbs/Hr	[Plan Approvals 42-158L, 42-158P]	CO
200.350	Tons/Yr	[Plan Approvals 42-158L, 42-158P]	CO
20.000	PPMV	Dry basis [Table 1B to 40 CFR 63 DDDD]	Hydrocarbon
20.000	PPMV	as carbon (dry) for Sources 120M, 121M, 122M, 132M, 133M, 134M, & 135M [Plan approval 42-158R]	Hydrocarbon
0.100	Lbs/MMBTU	of heat input [applies to 132M, 133M RACT III 25 Pa Code 129.112(k); does not apply to 134M, 135M, 042M, 051M 128M, 129M]	NOX
2.320	Tons/Yr	based on a consecutive 12-month period from MDF Dryer Abort Stack (SM17) [Plan Approval 42-158R]	NOX
171.140	Tons/Yr	based on a 12-month rolling total for all PAL Sources [Plan approval 42-158Q]	NOX
171.140	Tons/Yr	based on a consecutive 12-month period for Sources 132M & 133M [Plan approval 42-158R]	NOX
7.600	Tons/Yr	Abort Stack [Plan Approvals 42-158L, 42-158P]	PM10
25.290	Tons/Yr	[Plan Approvals 42-158L, 42-158P]	PM10
0.180	Tons/Yr	based on a consecutive 12-month period from MDF First Stage Dryer RTO Stack (SM03) [Plan Approval 42-158R]	PMDI
0.014	Tons/Yr	based on a consecutive 12-month period from MDF Dryer Abort Stack (SM17) [Plan Approval 42-158R]	SOX
2.900	Lbs/Hr	[Plan Approvals 42-158L, 42-158P]	SOX
12.690	Tons/Yr	[Plan Approvals 42-158L, 42-158P]	SOX
5.780	Lbs/Hr	[Plan Approvals 42-158L, 42-158P]	TSP
57.810	Lbs/Hr	Abort Stack [Plan Approvals 42-158L, 42-158P]	TSP
12.090	Lbs/Hr	For Sources 120M, 121M, 122M, 132M, 133M, 134M, & 135M [Plan approval 42-158R]	VOC
19.860	Tons/Yr	Abort Stack [Plan Approvals 42-158L, 42-158P]	VOC
52.940	Tons/Yr	based on a consecutive 12-month period for Sources 120M, 121M, 122M, 132M, 133M, 134M, & 135M [Plan approval 42-158R]	VOC
151.120	Lbs/Hr	Abort Stack [Plan Approvals 42-158L, 42-158P]	VOC

Source Id	Source Description
133M	MDF WESTEC COEN BURNER

Emission Limit			Pollutant
1.950	Tons/Yr	based on a consecutive 12-month period from MDF Dryer Abort Stack (SM17) [Plan Approval 42-158R]	CO
46.370	Lbs/Hr	[Plan Approvals 42-158L, 42-158P]	CO
200.350	Tons/Yr	[Plan Approvals 42-158L, 42-158P]	CO

SECTION G. Emission Restriction Summary.

Source Id	Source Description

20.000	PPMV	Dry basis [Table 1B to 40 CFR 63 DDDD]	Hydrocarbon
20.000	PPMV	as carbon (dry) for Sources 120M, 121M, 122M, 132M, 133M, 134M, & 135M [Plan approval 42-158R]	Hydrocarbon
0.100	Lbs/MMBTU	of heat input [applies to 132M, 133M RACT III 25 Pa Code 129.112(k); does not apply to 134M, 135M, 042M, 051M 128M, 129M]	NOX
2.320	Tons/Yr	based on a consecutive 12-month period from MDF Dryer Abort Stack (SM17) [Plan Approval 42-158R]	NOX
171.140	Tons/Yr	based on a 12-month rolling total for all PAL Sources [Plan approval 42-158Q]	NOX
171.140	Tons/Yr	based on a consecutive 12-month period for Sources 132M & 133M [Plan approval 42-158R]	NOX
7.600	Tons/Yr	Abort Stack [Plan Approvals 42-158L, 42-158P]	PM10
25.290	Tons/Yr	[Plan Approvals 42-158L, 42-158P]	PM10
0.180	Tons/Yr	based on a consecutive 12-month period from MDF First Stage Dryer RTO Stack (SM03) [Plan Approval 42-158R]	PMDI
0.014	Tons/Yr	based on a consecutive 12-month period from MDF Dryer Abort Stack (SM17) [Plan Approval 42-158R]	SOX
2.900	Lbs/Hr	[Plan Approvals 42-158L, 42-158P]	SOX
12.690	Tons/Yr	[Plan Approvals 42-158L, 42-158P]	SOX
5.780	Lbs/Hr	[Plan Approvals 42-158L, 42-158P]	TSP
57.810	Lbs/Hr	Abort Stack [Plan Approvals 42-158L, 42-158P]	TSP
12.090	Lbs/Hr	For Sources 120M, 121M, 122M, 132M, 133M, 134M, & 135M [Plan approval 42-158R]	VOC
19.860	Tons/Yr	Abort Stack [Plan Approvals 42-158L, 42-158P]	VOC
52.940	Tons/Yr	based on a consecutive 12-month period for Sources 120M, 121M, 122M, 132M, 133M, 134M, & 135M [Plan approval 42-158R]	VOC
151.120	Lbs/Hr	Abort Stack [Plan Approvals 42-158L, 42-158P]	VOC

134M MDF GEKA COEN BURNER

Emission Limit			Pollutant
1.950	Tons/Yr	based on a consecutive 12-month period from MDF Dryer Abort Stack (SM17) [Plan Approval 42-158R]	CO
46.370	Lbs/Hr	[Plan Approvals 42-158L, 42-158P]	CO
200.350	Tons/Yr	[Plan Approvals 42-158L, 42-158P]	CO
20.000	PPMV	Dry basis [Table 1B to 40 CFR 63 DDDD]	Hydrocarbon
20.000	PPMV	as carbon (dry) for Sources 120M, 121M, 122M, 132M, 133M, 134M, & 135M [Plan approval 42-158R]	Hydrocarbon
0.100	Lbs/MMBTU	of heat input [applies to 132M, 133M RACT III 25 Pa Code 129.112(k); does not apply to	NOX

SECTION G. Emission Restriction Summary.

Source Id	Source Description

		134M, 135M, 042M, 051M 128M, 129M]	
2.320	Tons/Yr	based on a consecutive 12-month period from MDF Dryer Abort Stack (SM17) [Plan Approval 42-158R]	NOX
171.140	Tons/Yr	based on a 12-month rolling total for all PAL Sources [Plan approval 42-158Q]	NOX
171.140	Tons/Yr	based on a consecutive 12-month period for Sources 132M & 133M [Plan approval 42-158R]	NOX
7.600	Tons/Yr	Abort Stack [Plan Approvals 42-158L, 42-158P]	PM10
25.290	Tons/Yr	[Plan Approvals 42-158L, 42-158P]	PM10
0.180	Tons/Yr	based on a consecutive 12-month period from MDF First Stage Dryer RTO Stack (SM03) [Plan Approval 42-158R]	PMDI
0.014	Tons/Yr	based on a consecutive 12-month period from MDF Dryer Abort Stack (SM17) [Plan Approval 42-158R]	SOX
2.900	Lbs/Hr	[Plan Approvals 42-158L, 42-158P]	SOX
12.690	Tons/Yr	[Plan Approvals 42-158L, 42-158P]	SOX
5.780	Lbs/Hr	[Plan Approvals 42-158L, 42-158P]	TSP
57.810	Lbs/Hr	Abort Stack [Plan Approvals 42-158L, 42-158P]	TSP
12.090	Lbs/Hr	For Sources 120M, 121M, 122M, 132M, 133M, 134M, & 135M [Plan approval 42-158R]	VOC
19.860	Tons/Yr	Abort Stack [Plan Approvals 42-158L, 42-158P]	VOC
52.940	Tons/Yr	based on a consecutive 12-month period for Sources 120M, 121M, 122M, 132M, 133M, 134M, & 135M [Plan approval 42-158R]	VOC
151.120	Lbs/Hr	Abort Stack [Plan Approvals 42-158L, 42-158P]	VOC

135M MDF STANDBY GAS FIRED OIL HEATER GEKA AUX

Emission Limit			Pollutant
1.950	Tons/Yr	based on a consecutive 12-month period from MDF Dryer Abort Stack (SM17) [Plan Approval 42-158R]	CO
46.370	Lbs/Hr	[Plan Approvals 42-158L, 42-158P]	CO
200.350	Tons/Yr	[Plan Approvals 42-158L, 42-158P]	CO
20.000	PPMV	Dry basis [Table 1B to 40 CFR 63 DDDD]	Hydrocarbon
20.000	PPMV	as carbon (dry) for Sources 120M, 121M, 122M, 132M, 133M, 134M, & 135M [Plan approval 42-158R]	Hydrocarbon
0.100	Lbs/MMBTU	of heat input [applies to 132M, 133M RACT III 25 Pa Code 129.112(k); does not apply to 134M, 135M, 042M, 051M 128M, 129M]	NOX
2.320	Tons/Yr	based on a consecutive 12-month period from MDF Dryer Abort Stack (SM17) [Plan Approval 42-158R]	NOX
171.140	Tons/Yr	based on a 12-month rolling total for all PAL Sources [Plan approval 42-158Q]	NOX

SECTION G. Emission Restriction Summary.

Source Id	Source Description

171.140	Tons/Yr	based on a consecutive 12-month period for Sources 132M & 133M [Plan approval 42-158R]	NOX
7.600	Tons/Yr	Abort Stack [Plan Approvals 42-158L, 42-158P]	PM10
25.290	Tons/Yr	[Plan Approvals 42-158L, 42-158P]	PM10
0.180	Tons/Yr	based on a consecutive 12-month period from MDF First Stage Dryer RTO Stack (SM03) [Plan Approval 42-158R]	PMDI
0.014	Tons/Yr	based on a consecutive 12-month period from MDF Dryer Abort Stack (SM17) [Plan Approval 42-158R]	SOX
2.900	Lbs/Hr	[Plan Approvals 42-158L, 42-158P]	SOX
12.690	Tons/Yr	[Plan Approvals 42-158L, 42-158P]	SOX
5.780	Lbs/Hr	[Plan Approvals 42-158L, 42-158P]	TSP
57.810	Lbs/Hr	Abort Stack [Plan Approvals 42-158L, 42-158P]	TSP
12.090	Lbs/Hr	For Sources 120M, 121M, 122M, 132M, 133M, 134M, & 135M [Plan approval 42-158R]	VOC
19.860	Tons/Yr	Abort Stack [Plan Approvals 42-158L, 42-158P]	VOC
52.940	Tons/Yr	based on a consecutive 12-month period for Sources 120M, 121M, 122M, 132M, 133M, 134M, & 135M [Plan approval 42-158R]	VOC
151.120	Lbs/Hr	Abort Stack [Plan Approvals 42-158L, 42-158P]	VOC

041M SPACE HEATERS

Emission Limit			Pollutant
171.140	Tons/Yr	based on a 12-month rolling total for all PAL Sources [Plan approval 42-158Q]	NOX
500.000	PPMV	[25 Pa Code 123.21]	SOX

042M PRODUCTION AREA HEATERS

Emission Limit			Pollutant
0.100	Lbs/MMBTU	of heat input [applies to 132M, 133M RACT III 25 Pa Code 129.112(k); does not apply to 134M, 135M, 042M, 051M 128M, 129M]	NOX
171.140	Tons/Yr	based on a 12-month rolling total for all PAL Sources [Plan approval 42-158Q]	NOX
500.000	PPMV	[25 Pa Code 123.21]	SOX

051M EMERGENCY GENERATORS / EMERGENCY FIRE PUMP

Emission Limit			Pollutant
0.100	Lbs/MMBTU	of heat input [applies to 132M, 133M RACT III 25 Pa Code 129.112(k); does not apply to 134M, 135M, 042M, 051M 128M, 129M]	NOX
171.140	Tons/Yr	based on a 12-month rolling total for all PAL Sources [Plan approval 42-158Q]	NOX
500.000	PPMV	[25 Pa Code 123.21]	SOX

SECTION G. Emission Restriction Summary.

Source Id	Source Description		
0.040	gr/DRY FT3	[25 Pa Code 123.13]	TSP

112 SYSTEM 7 (SAWING & VALUE ADDED)

Emission Limit			Pollutant
20.000	PPMV	Dry basis [Table 1B to 40 CFR 63 DDDD]	Hydrocarbon
0.420	Tons/Yr	[Plan Approval 42-158P]	PM10
0.040	gr/DRY FT3	[25 Pa. Code 123.13]	TSP
0.100	Lbs/Hr	[Plan Approval 42-158P]	TSP

115A BOARD BREAKER

Emission Limit			Pollutant
20.000	PPMV	Dry basis [Table 1B to 40 CFR 63 DDDD]	Hydrocarbon
4.220	Tons/Yr	[Plan approval 42-158P]	PM10
0.040	gr/DRY FT3	[25 Pa. Code 123.13]	TSP
0.970	Lbs/Hr	[Plan approval 42-158P]	TSP

119M MDF CHIP STORAGE

Emission Limit			Pollutant
1.470	Tons/Yr	[Plan Approval 42-158P]	PM10
0.040	gr/DRY FT3	[25 Pa. Code 123.13]	TSP
0.340	Lbs/Hr	[Plan Approval 42-158P]	TSP

120M MDF REFINER

Emission Limit			Pollutant
1.950	Tons/Yr	based on a consecutive 12-month period from MDF Dryer Abort Stack (SM17) [Plan Approval 42-158R]	CO
46.370	Lbs/Hr	[Plan Approvals 42-158L, 42-158P]	CO
200.350	Tons/Yr	[Plan Approvals 42-158L, 42-158P]	CO
20.000	PPMV	Dry basis [Table 1B to 40 CFR 63 DDDD]	Hydrocarbon
20.000	PPMV	as carbon (dry) for Sources 120M, 121M, 122M, 132M, 133M, 134M, & 135M [Plan approval 42-158R]	Hydrocarbon
2.320	Tons/Yr	based on a consecutive 12-month period from MDF Dryer Abort Stack (SM17) [Plan Approval 42-158R]	NOX
171.140	Tons/Yr	based on a 12-month rolling total for all PAL Sources [Plan approval 42-158Q]	NOX
171.140	Tons/Yr	based on a consecutive 12-month period for Sources 132M & 133M [Plan approval 42-158R]	NOX
0.250	Tons/Yr	based on a consecutive 12-month period from MDF Startup Cyclone (C120M) Stack (SM02) [Plan Approval 42-158R]	PM10
7.600	Tons/Yr	Abort Stack [Plan Approvals 42-158L, 42-158P]	PM10
25.290	Tons/Yr	[Plan Approvals 42-158L, 42-158P]	PM10

SECTION G. Emission Restriction Summary.

Source Id	Source Description

0.050	Tons/Yr	based on a consecutive 12-month period from MDF Startup Cyclone (C120M) Stack (SM02) [Plan Approval 42-158R]	PM2.5
0.180	Tons/Yr	based on a consecutive 12-month period from MDF First Stage Dryer RTO Stack (SM03) [Plan Approval 42-158R]	PMDI
0.014	Tons/Yr	based on a consecutive 12-month period from MDF Dryer Abort Stack (SM17) [Plan Approval 42-158R]	SOX
2.900	Lbs/Hr	[Plan Approvals 42-158L, 42-158P]	SOX
12.690	Tons/Yr	[Plan Approvals 42-158L, 42-158P]	SOX
0.040	gr/DRY FT3	[25 Pa. Code 123.13]	TSP
0.500	Tons/Yr	based on a consecutive 12-month period (filterable particulate) from MDF Startup Cyclone (C120M) Stack (SM02) [Plan Approval 42-158R]	TSP
2.000	Lbs/Hr	refinery startup SM02 [Plan Approval 42-158P]	TSP
5.780	Lbs/Hr	[Plan Approvals 42-158L, 42-158P]	TSP
57.810	Lbs/Hr	Abort Stack [Plan Approvals 42-158L, 42-158P]	TSP
0.150	Tons/Yr	based on a consecutive 12-month period from MDF Startup Cyclone (C120M) Stack (SM02) [Plan Approval 42-158R]	VOC
12.090	Lbs/Hr	For Sources 120M, 121M, 122M, 132M, 133M, 134M, & 135M [Plan approval 42-158R]	VOC
19.860	Tons/Yr	Abort Stack [Plan Approvals 42-158L, 42-158P]	VOC
52.940	Tons/Yr	based on a consecutive 12-month period for Sources 120M, 121M, 122M, 132M, 133M, 134M, & 135M [Plan approval 42-158R]	VOC
151.120	Lbs/Hr	Abort Stack [Plan Approvals 42-158L, 42-158P]	VOC

121M MDF FIRST STAGE WESTEC FIBER DRYER

Emission Limit			Pollutant
1.950	Tons/Yr	based on a consecutive 12-month period from MDF Dryer Abort Stack (SM17) [Plan Approval 42-158R]	CO
46.370	Lbs/Hr	[Plan Approvals 42-158L, 42-158P]	CO
200.350	Tons/Yr	[Plan Approvals 42-158L, 42-158P]	CO
20.000	PPMV	Dry basis [Table 1B to 40 CFR 63 DDDD]	Hydrocarbon
20.000	PPMV	as carbon (dry) for Sources 120M, 121M, 122M, 132M, 133M, 134M, & 135M [Plan approval 42-158R]	Hydrocarbon
2.320	Tons/Yr	based on a consecutive 12-month period from MDF Dryer Abort Stack (SM17) [Plan Approval 42-158R]	NOX
171.140	Tons/Yr	based on a 12-month rolling total for all PAL Sources [Plan approval 42-158Q]	NOX
171.140	Tons/Yr	based on a consecutive 12-month period for Sources 132M & 133M [Plan approval 42-	NOX

SECTION G. Emission Restriction Summary.

Source Id	Source Description

		158R]	
7.600	Tons/Yr	Abort Stack [Plan Approvals 42-158L, 42-158P]	PM10
25.290	Tons/Yr	[Plan Approvals 42-158L, 42-158P]	PM10
0.180	Tons/Yr	based on a consecutive 12-month period from MDF First Stage Dryer RTO Stack (SM03) [Plan Approval 42-158R]	PMDI
0.014	Tons/Yr	based on a consecutive 12-month period from MDF Dryer Abort Stack (SM17) [Plan Approval 42-158R]	SOX
2.900	Lbs/Hr	[Plan Approvals 42-158L, 42-158P]	SOX
12.690	Tons/Yr	[Plan Approvals 42-158L, 42-158P]	SOX
5.780	Lbs/Hr	[Plan Approvals 42-158L, 42-158P]	TSP
57.810	Lbs/Hr	Abort Stack [Plan Approvals 42-158L, 42-158P]	TSP
12.090	Lbs/Hr	For Sources 120M, 121M, 122M, 132M, 133M, 134M, & 135M [Plan approval 42-158R]	VOC
19.860	Tons/Yr	Abort Stack [Plan Approvals 42-158L, 42-158P]	VOC
52.940	Tons/Yr	based on a consecutive 12-month period for Sources 120M, 121M, 122M, 132M, 133M, 134M, & 135M [Plan approval 42-158R]	VOC
151.120	Lbs/Hr	Abort Stack [Plan Approvals 42-158L, 42-158P]	VOC

122M MDF SECOND STAGE FIBER DRYER

Emission Limit			Pollutant
1.950	Tons/Yr	based on a consecutive 12-month period from MDF Dryer Abort Stack (SM17) [Plan Approval 42-158R]	CO
46.370	Lbs/Hr	[Plan Approvals 42-158L, 42-158P]	CO
200.350	Tons/Yr	[Plan Approvals 42-158L, 42-158P]	CO
20.000	PPMV	Dry basis [Table 1B to 40 CFR 63 DDDD]	Hydrocarbon
20.000	PPMV	as carbon (dry) for Sources 120M, 121M, 122M, 132M, 133M, 134M, & 135M [Plan approval 42-158R]	Hydrocarbon
2.320	Tons/Yr	based on a consecutive 12-month period from MDF Dryer Abort Stack (SM17) [Plan Approval 42-158R]	NOX
171.140	Tons/Yr	based on a 12-month rolling total for all PAL Sources [Plan approval 42-158Q]	NOX
171.140	Tons/Yr	based on a consecutive 12-month period for Sources 132M & 133M [Plan approval 42-158R]	NOX
7.600	Tons/Yr	Abort Stack [Plan Approvals 42-158L, 42-158P]	PM10
25.290	Tons/Yr	[Plan Approvals 42-158L, 42-158P]	PM10
0.180	Tons/Yr	based on a consecutive 12-month period from MDF First Stage Dryer RTO Stack (SM03) [Plan Approval 42-158R]	PMDI
0.014	Tons/Yr	based on a consecutive 12-month period	SOX

SECTION G. Emission Restriction Summary.

Source Id	Source Description

		from MDF Dryer Abort Stack (SM17) [Plan Approval 42-158R]	
2.900	Lbs/Hr	[Plan Approvals 42-158L, 42-158P]	SOX
12.690	Tons/Yr	[Plan Approvals 42-158L, 42-158P]	SOX
5.780	Lbs/Hr	[Plan Approvals 42-158L, 42-158P]	TSP
57.810	Lbs/Hr	Abort Stack [Plan Approvals 42-158L, 42-158P]	TSP
12.090	Lbs/Hr	For Sources 120M, 121M, 122M, 132M, 133M, 134M, & 135M [Plan approval 42-158R]	VOC
19.860	Tons/Yr	Abort Stack [Plan Approvals 42-158L, 42-158P]	VOC
52.940	Tons/Yr	based on a consecutive 12-month period for Sources 120M, 121M, 122M, 132M, 133M, 134M, & 135M [Plan approval 42-158R]	VOC
151.120	Lbs/Hr	Abort Stack [Plan Approvals 42-158L, 42-158P]	VOC

123M MDF SYSTEM 6, 7, & 8 - MAT REJECT

Emission Limit			Pollutant
20.000	PPMV	Dry basis [Table 1B to 40 CFR 63 DDDD]	Hydrocarbon
0.100	Lbs/MMBTU	of heat input [applies to 132M, 133M RACT III 25 Pa Code 129.112(k); does not apply to 134M, 135M, 042M, 051M 128M, 129M]	NOX
1.430	Tons/Yr	based on a 12-month rolling total [From plan approval 42-158P]	PM10
0.040	gr/DRY FT3	[25 Pa. Code 123.13]	TSP
0.330	Lbs/Hr	[From plan approval 42-158P]	TSP
2.690	Tons/Yr	based on a 12-month rolling total[From plan approval 42-158R]	VOC

124M MDF PRESS & UNLOADER

Emission Limit			Pollutant
1.110	Lbs/Hr	[Plan approval 42-158P]	CO
4.840	Tons/Yr	[Plan approval 42-158P]	CO
20.000	PPMV	Dry basis [Table 1B to 40 CFR 63 DDDD]	Hydrocarbon
20.000	PPMV	as carbon (dry) for Source 124M	Hydrocarbon
171.140	Tons/Yr	based on a 12-month rolling total for all PAL Sources [Plan approval 42-158Q]	NOX
0.440	Tons/Yr	Emergency Abort [Plan approval 42-158P]	PM10
1.210	Tons/Yr	based on a 12-month rolling total (fugitive emissions) [Plan approval 42-158R]	PM10
13.300	Tons/Yr	[Plan approval 42-158P]	PM10
1.210	Tons/Yr	based on a 12-month rolling total (fugitive emissions) [Plan approval 42-158R]	PM2.5
0.100	Tons/Yr	(12-month rolling total) [Plan approval 42-158P]	PMDI
0.040	gr/DRY FT3	[25 Pa. Code 123.13]	TSP
1.800	Tons/Yr	based on a 12-month rolling total (fugitive emissions) (filterable particulate) [Plan approval 42-158R]	TSP

SECTION G. Emission Restriction Summary.

Source Id	Source Description

3.040	Lbs/Hr	[Plan approval 42-158P]	TSP
1.520	Tons/Yr	Emergency Abort [Plan approval 42-158P]	VOC
2.870	Tons/Yr	based on a 12-month rolling total (fugitive emissions) [Plan approval 42-158R]	VOC
6.930	Lbs/Hr	For Source 124M	VOC
30.360	Tons/Yr	based on a consecutive 12-month period for Source 124M	VOC
69.320	Lbs/Hr	Emergency Abort [Plan approval 42-158P]	VOC

125M MDF BOARD COOLER

Emission Limit			Pollutant
20.000	PPMV	Dry basis [Table 1B to 40 CFR 63 DDDD]	Hydrocarbon
0.100	Lbs/MMBTU	of heat input [applies to 132M, 133M RACT III 25 Pa Code 129.112(k); does not apply to 134M, 135M, 042M, 051M 128M, 129M]	NOX
2.780	Tons/Yr	based on a consecutive 12-month period [From Plan Approval 42-158R]	PM10
2.230	Tons/Yr	based on a consecutive 12-month period [From Plan Approval 42-158R]	PM2.5
0.040	gr/DRY FT3	[25 Pa. Code 123.13]	TSP
1.050	Tons/Yr	based on a consecutive 12-month period (filterable particulate) [From Plan Approval 42-158R]	TSP
1.310	Lbs/Hr	[From Plan Approval 42-158P]	TSP
0.610	Lbs/Hr	[From Plan Approval 42-158R]	VOC
2.650	Tons/Yr	based on a consecutive 12-month period [From Plan Approval 42-158R]	VOC

126M MDF SYSTEM 3 - SANDER DUST SILO

Emission Limit			Pollutant
20.000	PPMV	Dry basis [Table 1B to 40 CFR 63 DDDD]	Hydrocarbon
2.270	Tons/Yr	[Plan Approval 42-158P]	PM10
0.040	gr/DRY FT3	[25 Pa. Code 123.13]	TSP
0.520	Lbs/Hr	[Plan Approval 42-158P]	TSP

127M MDF SYSTEM 4 - SAW TRIM SILO

Emission Limit			Pollutant
20.000	PPMV	Dry basis [Table 1B to 40 CFR 63 DDDD]	Hydrocarbon
2.530	Tons/Yr	[Plan Approval 42-158P]	PM10
0.040	gr/DRY FT3	[25 Pa. Code 123.13]	TSP
0.580	Lbs/Hr	[Plan Approval 42-158P]	TSP

128M MDF SYSTEM 10 - PRIMARY SANDER

Emission Limit			Pollutant
20.000	PPMV	Dry basis [Table 1B to 40 CFR 63 DDDD]	Hydrocarbon
0.100	Lbs/MMBTU	of heat input [applies to 132M, 133M RACT III 25 Pa Code 129.112(k); does not apply to 134M, 135M, 042M, 051M 128M, 129M]	NOX

SECTION G. Emission Restriction Summary.

Source Id	Source Description

8.230	Tons/Yr	based on a 12-month rolling total [Plan Approval 42-158P]	PM10
0.040	gr/DRY FT3	[25 Pa. Code 123.13]	TSP
1.890	Lbs/Hr	[Plan Approval 42-158P]	TSP
0.440	Lbs/Hr	[Plan Approval 42-158P]	VOC
1.910	Tons/Yr	based on a 12-month rolling total [Plan Approval 42-158P]	VOC

129M MDF SYSTEM 11 - SECONDARY SANDER

Emission Limit			Pollutant
20.000	PPMV	Dry basis [Table 1B to 40 CFR 63 DDDD]	Hydrocarbon
0.100	Lbs/MMBTU	of heat input [applies to 132M, 133M RACT III 25 Pa Code 129.112(k); does not apply to 134M, 135M, 042M, 051M 128M, 129M]	NOX
8.900	Tons/Yr	based on a 12-month rolling total [Plan Approval 42-158P]	PM10
0.040	gr/DRY FT3	[25 Pa. Code 123.13]	TSP
2.040	Lbs/Hr	[Plan Approval 42-158P]	TSP
0.440	Lbs/Hr	[Plan Approval 42-158P]	VOC
1.910	Tons/Yr	based on a 12-month rolling average [Plan Approval 42-158P]	VOC

130M MDF SYSTEM 9 - SAWS

Emission Limit			Pollutant
20.000	PPMV	Dry basis [Table 1B to 40 CFR 63 DDDD]	Hydrocarbon
15.340	Tons/Yr	[Plan Approval 42-158P]	PM10
0.040	gr/DRY FT3	[25 Pa. Code 123.13]	TSP
3.520	Lbs/Hr	[Plan Approval 42-158P]	TSP
0.700	Tons/Yr	based on a consecutive 12-month period [Plan Approval 42-158R]	VOC

131M MDF RAW MATERIAL STORAGE TANKS

Emission Limit			Pollutant
20.000	PPMV	Dry basis [Table 1B to 40 CFR 63 DDDD]	Hydrocarbon

218M LOG CHIPPER WITH ENGINE

Emission Limit			Pollutant
1.000	GRAMS/HP-Hr	[Plan approvals 42-158L, 42-158O]	CO
5.000	Tons/Yr	[Plan approval 42-158R]	NOX
5.900	GRAMS/HP-Hr	(0.013 #/bhp-hr) [Plan approval 42-158R]	NOX
171.140	Tons/Yr	based on a 12-month rolling total for all PAL Sources [Plan approval 42-158Q]	NOX
0.040	gr/DRY FT3	[25 Pa. Code 123.13]	TSP
0.400	GRAMS/HP-Hr	[Plan approvals 42-158L, 42-158O]	TSP
1.000	GRAMS/HP-Hr	[Plan approvals 42-158L, 42-158O]	VOC

SECTION G. Emission Restriction Summary.

Source Id	Source Description
C121MC	MDF FIRST STAGE RTO

Emission Limit			Pollutant
0.100	Lbs/MMBTU	of heat input [applies to 132M, 133M RACT III 25 Pa Code 129.112(k); does not apply to 134M, 135M, 042M, 051M 128M, 129M]	NOX

Source Id	Source Description
C124M	MDF PRESS & UNLOADER TCO

Emission Limit			Pollutant
0.100	Lbs/MMBTU	of heat input [applies to 132M, 133M RACT III 25 Pa Code 129.112(k); does not apply to 134M, 135M, 042M, 051M 128M, 129M]	NOX

Site Emission Restriction Summary

Emission Limit	Pollutant

Alternative Operation Emission Restriction Summary

Source Id	Source Description
134M	MDF GEKA COEN BURNER

Emission Limit			Pollutant
0.400	Lbs/MMBTU	[25 Pa Code 123.11]	TSP
4.000	Lbs/MMBTU	over a 1-hour period [25 Pa Code 123.22]	SOX

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(a) This facility is located at 149 Temple Drive, Kane, PA 16735.

This facility is a Title V major-source facility with respect to Potential Emissions of regulated air pollutants.

The following eFACTS ID's are assigned to this facility for this permit issuance:
Permit number: 42-00158
eFACTS Site Name: Georgia Pacific Mt Jewett MDF
RMS ID: 46756
APS (Permit Application Processing Screen) ID: 822125
Master Authorization ID: 1393402
Client ID: 302824
Site ID: 253873
Primary Facility (PF) ID: 493871

(b) The Capacity/Throughput numbers listed in Section A, the Site Inventory List, and provided in Section D of this permit for individual sources are for informational purposes only and are not to be considered enforceable limits. The actual enforceable emission and operating limits for each source, with the correct number of significant digits, are listed in Sections C, D, and E of this permit. The Emission Restriction Summary in Section G of this permit is for information purposes only and is not to be used to establish enforceable limits.

(c) Abbreviations used in this permit:

Emissions Map Schematics (used in Permit Maps):
FML: Fuel material location
CU: Combustion Unit
PROC: Process
CNTL: Control device
STAC: Stack. The stack can represent either the emission point or fugitive emissions in a permit map.

Pollutants:
CO: Carbon Monoxide
FPM: Filterable particulate matter
HAP: Hazardous Air Pollutant
NOx: Nitrogen Oxides
PM10: Particulate Matter less than 10 microns (with diameters that are 10 micrometers and smaller)
PM2.5: Particulate Matter less than 2.5 microns (with diameters that are 2.5 micrometers and smaller)
SOx: Sulfur Oxides
THC: Total hydrocarbon
TSP: Total Suspended Particulate (includes both filterable and condensable)
VOC: Volatile Organic Compounds

Used in Site Inventory List:
Source ID: Department assigned ID number for the source
Source Name: Department assigned name for the source
Capacity/Throughput: The maximum rated capacity or throughput for the source. The maximum rated capacity or throughput is not considered an enforceable limit. Enforceable limits are contained within the conditions of the permit.
Fuel/Material: The fuel/material assigned to SCC for the source

Abbreviations used elsewhere in permit:
AIMS: Air Information Management System -- the DEP electronic database for permitting and emission reports
CAM: Compliance Assurance Monitoring (40 CFR Part 64)
CFR: Code of Federal Regulations
CI: Combustion Ignition
CMS: Continuous Monitoring System
Department: Pennsylvania Department of Environmental Protection (the DEP)
eFacts: Environmental Facility Application Compliance Tracking System -- the DEP electronic database for inspection reports
ESP: Electrostatic Precipitator
ICE: Internal Combustion Engine
ICI: Industrial, Commercial, and Institutional
MDF: Medium density fiberboard

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MDI: Methylene diphenyl di-isocyanate resin, a (low-formaldehyde) binder resin used in the production of MDF.
NESHAP: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 63)
NSPS: New Source Performance Standards (40 CFR Part 60)
NWRO: Northwest Regional Office of PA DEP
ODT: Oven Dried Tons
PAL: Plantwide Applicability Limit; To maintain the PAL, the PAL must be renewed every 10 years. Georgia Pacific has a NOx PAL that was renewed on November 20, 2015 with the issuance of plan approval 42-158Q. The PAL was incorporated into the TV operating permit and must be renewed again by November 20, 2025.
pMDI: polymeric Methylene diphenyl di-isocyanate resin, a formaldehyde-free binder resin used in the production of MDF.
RACT I: The Reasonably Available Control Technology requirements of 25 Pa. Code §§ 129.93 through 129.95 promulgated on January 14, 1994, for control of NOx and VOC.
RACT II: The Reasonably Available Control Technology requirements of 25 Pa. Code §§ 129.96 through 129.100 promulgated on April 23, 2016 for control of NOx and VOC.
RACT III: The Reasonably Available Control Technology requirements of 25 Pa. Code §§ 129.111 through 129.115 promulgated on November 11, 2022, for control of NOx and VOC for the 2015 Ozone NAAQS of 40 CFR Part 50.
RFD: Request for Determination of Changes of Minor Significance & Exemption from plan approval.
RICE: Reciprocating Internal Combustion Engine
RTO: Regenerative Thermal Oxidizer
SCC: Source Classification Code as defined by EPA
SI: Spark Ignition
Source: An air contamination source (25 Pa. Code § 121.1)
SSMP: Startup, Shutdown, & Malfunction Plan
TCO: Thermal Catalytic Oxidizer
tpy: tons per year
TV, TVOP: Title V, Tille V operating permit

(d) All reports, submittals, and other communications required by this permit shall be submitted electronically to the PA DEP Northwest Regional office located at the following address. Web addresses for electronic submittals to this office are below.

Bureau of Air Quality
Department of Environmental Protection
230 Chestnut Street
Meadville, PA 16335
814-332-6940 (phone)
814-332-6121 (fax)
Office Hours 8 a.m. - 4 p.m.
800-541-2050 (after hours)

(i) Spills and other emergencies should be reported immediately to DEP by telephone at 800-541-2050.

(ii) Submittals of Asbestos Abatements and Demolition/Renovation Notification Forms should be made via the Online Asbestos Notification System. Information and links are located at this web address:

https://www.pa.gov/agencies/dep/programs-and-services/air/bureau-of-air-quality/business-topics/asbestos.html

(iii) Submittals of Annual emissions inventory, if required, must be made via the DEP's AES*Online secure website. Information and links are located at this web address:

https://www.pa.gov/services/dep/submit-annual-emission-statement-aes-reports.html

(iv) Submittals pertaining to emissions testing, specifically test protocols and test reports, shall be made by emailing electronic copies submissions to both PSIMS Administration in Central Office and to Regional Office AQ Program at the following e-mail addresses:

CENTRAL OFFICE:
RA-EPstacktesting@pa.gov

NORTHWEST REGIONAL OFFICE:

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RA-EPNWstacktesting@pa.gov

(v) The 15-day advance notifications of emissions testing dates and supplemental testing information shall be submitted directly to:

(1) the DEP's OnBase electronic upload website where it will be forwarded to the Northwest Regional Office Air Quality Inspector. Upload the written notification at this web address:

https://www.pa.gov/agencies/dep/data-and-tools/onbase-electronic-forms-upload.html

(2) IF the Protocol Reviewer at Central Office Division of Source Testing requested a copy of the notification, then submit a copy to the email address provided by the protocol reviewer.

(vi) Submittals of RFD's shall be made via the DEP's Greenport website at https://greenport.pa.gov

(vii) All other submittals to this office should be made via the DEP's OnBase electronic upload website at this web address:

https://www.pa.gov/agencies/dep/data-and-tools/onbase-electronic-forms-upload.html

(e) Submittals to the EPA are made to the EPA Region III office.

(1) The regional EPA address is:

Section Chief
U.S. Environmental Protection Agency Region III
Enforcement and Compliance Assurance Division
Air Section (3ED21)
Four Penn Center
1600 John F. Kennedy Boulevard
Philadelphia, Pennsylvania 19103-2852

(2) Electronic compliance certifications should be sent to the EPA at the following email address. Include the following in the email subject line: name of facility, state, and Title V operating permit number.

R3_APD_Permits@epa.gov

(f) Source 120M, the MDF Refiner, is normally vented through the First Stage MDF Dryer (Source 121). During Startup, Shutdown or Malfunction, the emissions from the Refiner go to the startup cyclone (C120M).

(g) Source 132M, the MDF Westec Panel Burner, is used as supplemental to the Westec Coen Burner (Source133M), but when in operation, it will exhaust through the First and Second Stage MDF Dryers.

(h) Source 133M, the MDF Westec Coen Burner, exhausts through the MDF Dryers of sources 121M & 122M.

(i) The MDF Geka Coen Burner (134M) normally exhausts through the MDF Dryers, but has an abort stack (SM13) for emergency situations.

(j) The 40 MMBTU/hr MDF Geka Auxiliary Burner (Source 135M) shall be used either in conjunction with, or as a backup heat supply to the Geka Coen Burner (Source 134M) [thermal oil for the press at the MDF Plant].

(k) The following sources/activities have been determined to be trivial sources or sources of minor significance with respect to emissions of regulated air pollutants and have no applicable emission, testing, monitoring, recordkeeping, or reporting requirements.

• Wax Storage Tank. Wax emulsion is used in the manufacturing of MDF to provide water resistance to the finished product. The Wax Storage Tank is part of the affected source under PCWP MACT; however, there are currently no requirements for "onsite storage of raw materials". The tank storage capacity is <19,800 gallons (75 m3); therefore, the wax storage tank is not subject to New Source Performance Standards for Volatile Organic Liquid Storage Vessels (i.e., 40 CFR 60, Subpart Kb). The vapor pressure of the wax emulsion is less than 1.5 pounds per square inch (psia); therefore, the tank is not subject to the requirements included in 25 Pa. Code 129.57. In addition, potential VOC emissions are less than 1 ton per year; therefore, the tank is exempt from RACT II requirements per 25 Pa. Code §129.96(c). Emissions are estimated to be 0.03 tpy (including water).

• Log chipper engine: The log chipper of Souce 218M is equipped with a engine. The engine meets the EPA definition of a (portable) non-road engine and does not meet the definition of a stationary internal combustion engine. Therefore, the engine has no requirements in this operating permit.

(l) SOURCE EMISSIONS MAPS

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The PA DEP AIMS permitting database is designed to reflect permit maps (in the Site Inventory List of Section A of the permit) for which emissions from a source are exhausted directly to either a control device or a stack. It is not designed to reflect situations where emissions from a source are ducted directly to another source. At this facility, there are several sources for which the emissions from the source are ducted directly to another source. The following list shows the emissions mapping for several sources.

Source 122M, MDF Second Stage Fiber Dryer
- 122M->C122MC->C122M->C122MB->SM17B
- 122M->C122MC->C122M->C122MB->121M->C121MA->SM17
- 122M->C122MC->C122M->C122MB->121M->C121MA->C121MB->C121MC->SM03
- 122M->C122MC->C122MB->SM17B
- 122M->C122MC->C122MB->121M->C121MA->SM17
- 122M->C122MC->C122MB->121M->C121MA->C121MB->C121MC->SM03

Source 132M, MDF Westec Panel Burner
- FML2->132M->121M->C121MA->SM17
- FML2->132M->121M->C121MA->C121MB->C121MC->SM03
- FML2->132M->122M->C122MC->C122M->C122MB->SM17B
- FML2->132M->122M->C122MC->C122M->C122MB->121M->C121MA->SM17
- FML2->132M->122M->C122MC->C122M->C122MB->121M->C121MA->C121MB->C121MC->SM03
- FML2->132M->122M->C122MC->C122MB->SM17B
- FML2->132M->122M->C122MC->C122MB->121M->C121MA->SM17
- FML2->132M->122M->C122MC->C122MB->121M->C121MA->C121MB->C121MC->SM03

Source 133M, MDF Westec Coen Burner
- FML2->133M->121M->C121MA->SM17
- FML2->133M->121M->C121MA->C121MB->C121MC->SM03
- FML2->133M->122M->C122MC->C122M->C122MB->SM17B
- FML2->133M->122M->C122MC->C122M->C122MB->121M->C121MA->SM17
- FML2->133M->122M->C122MC->C122M->C122MB->121M->C121MA->C121MB->C121MC->SM03
- FML2->133M->122M->C122MC->C122MB->SM17B
- FML2->133M->122M->C122MC->C122MB->121M->C121MA->SM17
- FML2->133M->122M->C122MC->C122MB->121M->C121MA->C121MB->C121MC->SM03

Source 134M, MDF Geka Coen Burner
- FML2->134M ->SM13
- FML2->134M->C134M->121M->C121MA->SM17
- FML2->134M->C134M->121M->C121MA->C121MB->C121MC->SM03
- FML2->134M->C134M->122M->C122MC->C122M->C122MB->SM17B
- FML2->134M->C134M->122M->C122MC->C122M->C122MB->121M->C121MA->SM17
- FML2->134M->C134M->122M->C122MC->C122M->C122MB->121M->C121MA->C121MB->C121MC->SM03
- FML2->134M->C134M->122M->C122MC->C122MB->SM17B
- FML2->134M->C134M->122M->C122MC->C122MB->121M->C121MA->SM17
- FML2->134M->C134M->122M->C122MC->C122MB->121M->C121MA->C121MB->C121MC->SM03

Source 135M, MDF Standby Gas Fired Oil Heater Geka Aux
- FML2->135M->121M->C121MA->SM17
- FML2->135M->121M->C121MA->C121MB->C121MC->SM03
- FML2->135M->122M->C122MC->C122M->C122MB->SM17B
- FML2->135M->122M->C122MC->C122M->C122MB->121M->C121MA->SM17
- FML2->135M->122M->C122MC->C122M->C122MB->121M->C121MA->C121MB->C121MC->SM03
- FML2->135M->122M->C122MC->C122MB->SM17B
- FML2->135M->122M->C122MC->C122MB->121M->C121MA->SM17
- FML2->135M->122M->C122MC->C122MB->121M->C121MA->C121MB->C121MC->SM03

(m) The following sources and associated control devices were removed from the permit based on notification from the facility in March 2007 that requested the PAL permit be reopened and reactivated to reflect cessation of the Particleboard Operations:
(1) Source 001
(2) Source 002

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(3) Source 003
(4) Source 004
(5) Source 005
(6) Source 006
(7) Source 007
(8) Source 008
(9) Source 009
(10) Source 024
(11) Source 025
(12) Source 026
(13) Source 027
(14) Source 028
(15) Source 017
(16) Source 018
(17) Source 110
(18) Source 113
(19) Source 114
(20) Source 115
(21) Source 116
(22) Source 116A
(23) Source 134
(24) Source 136

(n) The NOx PAL is established for all sources at the facility, including, but not limited to the following:

(1) Source 121M
(2) Source 122M
(3) Source 124M
(4) Source 132M
(5) Source 133M
(6) Source 134M
(7) Source 135M
(8) Source 218

(o) RFDs and Notifications. The following Requests for Determinations and Notifications were submitted by the permittee.

• 2016 Jul 11: RFD for authorization to remove the Air System 5 process cyclone, fan, airlock and hammermill. This system did not have any emission points and the removal of this equipment did not result in a change in production throughput. In its place, a mechanical feed screw was installed to send sander dust directly from the Sander Dust Silo (Source 126M) into an existing airlock, and then to the Westec Fiber Dryer (Source 121M) via an existing fan. No emissions were increased as a result of this project.

• 2017 Jan 16: RFD to vent the MDF Geka Coen Burner (Source 134M) directly to atmosphere during the “low fire” condition (estimated at 10 MCF/hr of natural gas) associated with scheduled down days to protect the life and integrity of the burner refractory and the thermal oil used in the press hydraulic system.

• 2017 Sep 27: RFD to relocate the first stage Westec Fiber Dryer (Source 121M) recirculation intake point to reduce energy costs. The intake point was moved to after the dryer Wet ESP (Control Device C121MB) from its previous location right after the dryer Twin Cyclones (Control Device C121MA). This change provided recirculation air with less particulate being recirculated back into the dryer system for make-up air and decreased the amount of “fresh” ambient air added to the system to dry the fiber. In addition, an obsolete ash cyclone (Westec Coen Ash Cyclone, C133M) was removed since wood combustion in the Westec Coen Burner (Source 133M) has been permanently discontinued.

• 2017 Oct 19: RFD for use of boric acid aqueous solution as an additive to produce fire-rated MDF board. The boric acid is received via tanker truck and pumped directly into the process at the MDF Refiner (Source 120M) where it is added to the wood material prior to the first stage Westec Fiber Dryer (Source 121M). Due to the very low volatility of the primary organic constituents in the boric acid aqueous solution, as well as the chemical nature in which they are bound to the boric acid particles, there were no new emissions as a result of this project.

• 2019 Apr 15: Notification was made for the replacement of the existing edge printer used to print product information on the edge of the finished panels as required by some customers with an upgraded model VideoJet edge printer. The utilization of the edge printer did not change; however, there was a change in the ink used in the new edge printer. Potential emissions from the new edge printer are 0.0043 tpy VOC.

• 2019 Apr 15: RFD to replace the existing panel saw with a new Holzma saw since the existing system was obsolete and replacement components were no longer available. The saw is used to provide customers with cut to size product options from the

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Value-Added Department (System 7). System 7 is equipped with a cyclone (C112A) and a baghouse (Control Device C112B); the control system was not changed. The material captured by C112A is routed to the System 13 Baghouse (Control Device C115) for further recovery and is recycled back into the process. The new Holzma saw can process approximately 30% more finished panels; however, there was no increase in potential emissions as a result of this project.

• 2019 Dec 17: RFD to replace the saw associated with the bolster operation in the Value-Added Department (System 7) since it reached the end of its useful life. The replacement saw has equivalent cutting capabilities, so there was no change in throughput. The saw is used to cut offspecification boards to be used as bolsters between packages of finished product. System 7 is equipped with a cyclone (C112A) and a baghouse (Control Device C112B); the control system was not changed. The material recovered by the cyclone is routed to the System 13 Baghouse (Control Device C115) for further recovery and is recycled back into the process. No emissions were increased as a result of the project.

• 2020 Apr 24: RFD to install a drum screen at the Chip Storage area (Source 119M) to be used to separate grit (i.e., mud) from the chips prior to pneumatically transferring them to the Refiner (Source 120M) via System 2. This was a temporary activity. Once the trial was completed, all equipment was removed from the site.

• 2022 Jan 18: RFD to use a rental drum screen and associated portable, nonroad engine as needed at the site for up to 800 hours per year. The unit will be used at the Chip Storage area (Source 119M) to separate grit (i.e., mud) from the chips prior to pneumatically transferring them to the Refiner (120M) via System 2. The drum screen prevents damage to the refiner plates by removing smaller material that passes through the existing disk screen. The drum screen will not change the chip throughput since there is no change to the refining capacity. The screen will be powered by a 100 hp diesel-fired, nonroad engine that is not expected to be at the site for more than one month at a time and will not be used for more than 800 hours per calendar year.

• 2023 Sep 20: RFD submitted for conducting a trail utilizing a solid (powder) form of boric acid as a additive to product a fire rated MDF board. This RFD was approved March 11, 2022.

• 2024 May 10: RFD submitted for use of a new marking pain on some finished product. New paint is GP Striping Paint, Green, code 2765505. Usage is expected to be 100 gallons per year. VOC emissions are estimated to be 0.0005 tpy.

• 2024 Aug 14: RFD submitted for use of non-VOC emitting boric acid solution at the refiner. The permittee will continue to use the current boric acid solution with the flexibility of using the new solution depending on product availbility. New product is LiquiBOR 7000. The permittee submitted a MDS and a statement of explanation that the product contains no materials that meet the definition of VOC.

(p) Permitting history:

(1) PAL, 2004 Nov 15: Plan approval #43-158I authorized the original NOx PAL and Federally Enforceable Emission Cap (FEEC), issued November 15, 2004, superceded plan approval # 42-158H. Plan approval 42-158J, also issued November 15, 2004, modified plan approval 42-158I and included 2 control devices and 1 abort stack which were omitted from plan approval 42-158I. The PAL expired on November 15, 2014, and the permittee submitted a timely application to renew it.

(2) 2006 Oct 2: This new Title V operating permit is issued October 2, 2006.

(3) 2007 Jun 27: This Title V Operating Permit was Administratively Amended to incorporate Plan Approval 42-158J, a minor modification of Plan Approval 42-158I. Plan Approval 42-158J is for the two control devices (C123MA and C123MB) and abort stack (SM17) that were omitted from the previous submittal. The Title V Operating Permit, 42-00158, was Amended on June 27, 2007 and the permit expiration date will remain September 30, 2011.

(4) 2008 Feb 13: The Operating Permit was modified on February 13, 2008 to add the requirements of 40 CFR 63, Subpart DDDD-National Emission Standards for Hazardous Air Pollutants: Plywood and Composite Wood Products. The CAM requirements for the RTO and TCO were removed from the permit because they are exempt from CAM under 40 CFR 64.2(b)(1). A compliance plan for the Secondary Tube Dryer (Source 122M) was also added to this permit under this modification.

(5) 2008 Dec 9: The Operating Permit was Administratively Amended on December 9, 2008 to incorporate Plan Approval 42-158K. Plan Approval 42-158K is for the modification of Plan Approval 42-158I, that includes the existing Plant Wide Applicability Limits (PALs), to incorporate source 115A, Board Breaker. Source 115A is subject to the General PAL Requirements and the Baghouse CAM Plan in Section E. Also with this amendment, source 112-System 7 was modified to clarify the process control steps (see map). The Operating Permit expiration date remains September 30, 2011.

(6) 2009 Apr 28: The Operating Permit was modified on April 28, 2009 to reflect the use of option 2 from Table 1B of 40 CFR 63, Subpart DDDD (total HAP measured as THC as carbon limited to 20 ppmvd). The CAM for Source 122M was also removed (second stage dryer recirculated back to primary dryer). The compliance milestones of the previous modification were completed and removed from the permit. The expiration date remains September 30, 2011.

(7) 2009 Oct 7: The Operating Permit was administratively amended on October 7, 2009 to incorporate the requirements from Plan Approvals 42-158L, 42-158M, and 42-158N. In addition, a compliance schedule was added to reflect the submittal of a plan approval application to address the portable log chipping operations. The permit expiration date was not affected by this amendment.

(8) 2013 Oct 24: The permit was administratively amended on October 24, 2013 to reflect the change of ownership to Georgia Pacific Panel Products LLC. The General Manager for the Engineered Wood Products Operations (Satrick S. Anthony) has appointed the Mount Jewett MDF Plant Manger (Dale Fuentes) as a Duly Authorized Representative. The Department will accept Mr. Fuentes signature as Responsible Official in all Air Quality related matters associated with this permit. The amendment also

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clarifies the facility has 3 emergency RICE engines subject to 40 CFR 63 Subpart ZZZZ. Source 051M includes the MDF emergency generator, the emergency fire pump engine, and the PB emergency generator. These units are also included in the plant-wide NOx PAL.

(9) PAL, 2015 Nov 20: The NOx PAL was renewed with the issuance of Plan approval 42-158Q on November 20, 2015. The PAL expires November 20, 2025.

(9) 2016 May 17: This permit was administratively amended on May 17, 2016 to incorporate the requirements of Plan Approval 42-158Q.

(10) 2017 Nov 16: The permit renewal was issued on November 16, 2017, and included the requirements of Plan Approval 42-158P, presumptive RACT II requirements, and a compliance schedule with milestones for the submittal of a plan approval application.

(11) 2019 Aug 15: This permit was administratively amended on August 15, 2019 to incorporate the requirements of Plan Approval 42-158R and to change the name of the responsible official to Sidney Beckwith - Plant Manager. The case-by-case RACT II requirements were approved with plan approval 42-158R and are added to the permit at this issuance. The compliance milestones are removed at this issuance because they have been fulfilled.

(12) 2024 Jun 24: This Title V operating permit renewal, effective June 24, 2025, is issued on June 24, 2025. This renewal issuance includes a significant modification to include RACT III conditions in accordance with 25 Pa. Code §§ 129.111 through 129.115. (Note for RACT II, the facility has both NOx and VOC sources with case-by-case conditions which were included in the State Implementation Plan. For RACT III, the facility only has VOC sources with case-by-case conditions to be included in the State Implementation Plan. The NOx sources which were case-by-case for RACT II are now presumptive for RACT III.)

****** End of Report ******