



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

TITLE V/STATE OPERATING PERMIT

Issue Date: November 16, 2017 Effective Date: August 15, 2019
Revision Date: August 15, 2019 Expiration Date: October 31, 2022
Revision Type: Amendment

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

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

TITLE V Permit No: 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 MGR
Phone: (814) 778 - 2672

Permit Contact Person

Name: HEATHER MEYERS
Title: ENVIRONMENTAL MANAGER
Phone: (814) 778 - 2616

[Signature] _____
ERIC A. GUSTAFSON, NORTHWEST REGION AIR PROGRAM MANAGER



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**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	
		46,420.000 CF/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	N/A	#2 Oil
112	SYSTEM 7 (SAWING & VALUE ADDED)	N/A	
115A	BOARD BREAKER		
119M	MDF CHIP STORAGE	N/A	
120M	MDF REFINER	N/A	
121M	MDF FIRST STAGE WESTEC FIBER DRYER	N/A	
122M	MDF SECOND STAGE FIBER DRYER	N/A	
123M	MDF SYSTEM 6, 7, & 8 - MAT REJECT	N/A	
124M	MDF PRESS & UNLOADER	N/A	
125M	MDF BOARD COOLER	N/A	
126M	MDF SYSTEM 3 - SANDER DUST SILO	N/A	
127M	MDF SYSTEM 4 - SAW TRIM SILO	N/A	
128M	MDF SYSTEM 10 - PRIMARY SANDER	N/A	
129M	MDF SYSTEM 11 - SECONDARY SANDER	N/A	
130M	MDF SYSTEM 9 - SAWS	N/A	
131M	MDF RAW MATERIAL STORAGE TANKS		
218M	LOG CHIPPER WITH ENGINE		
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		

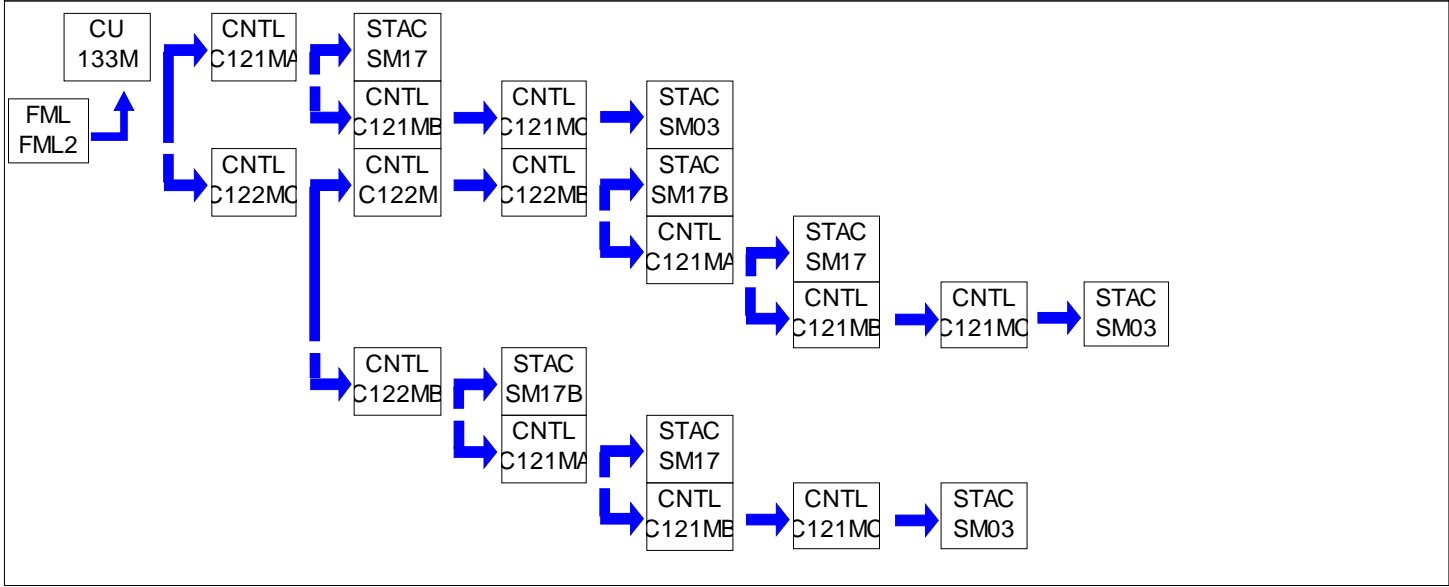
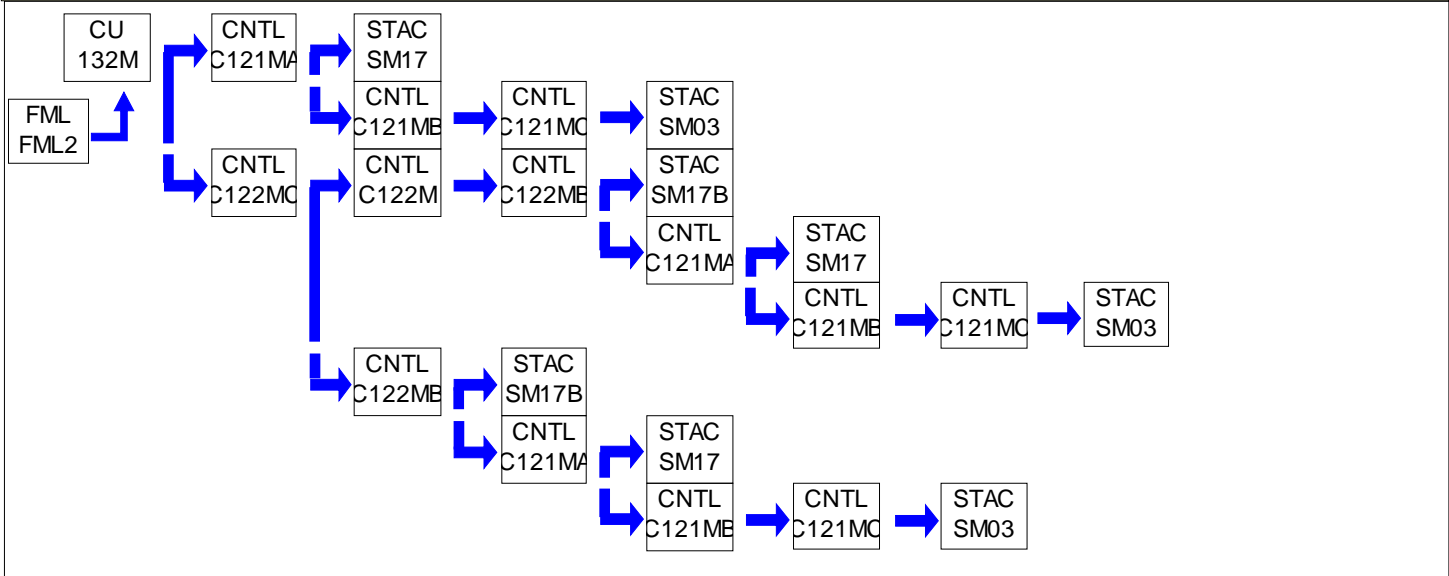
**SECTION A. Site Inventory List**

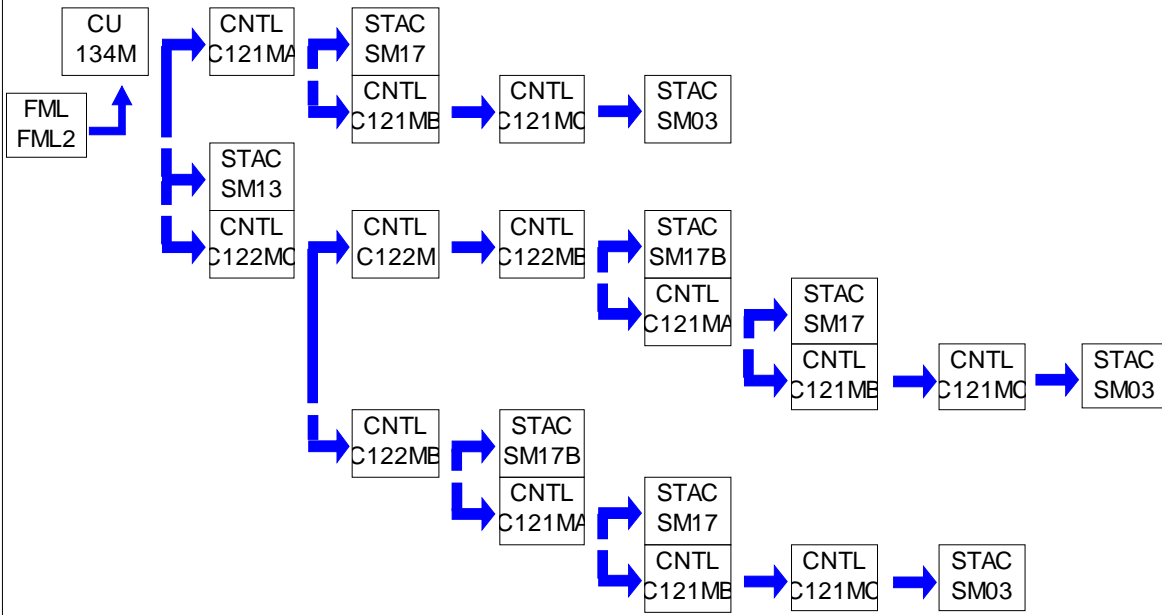
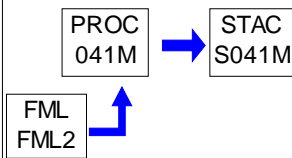
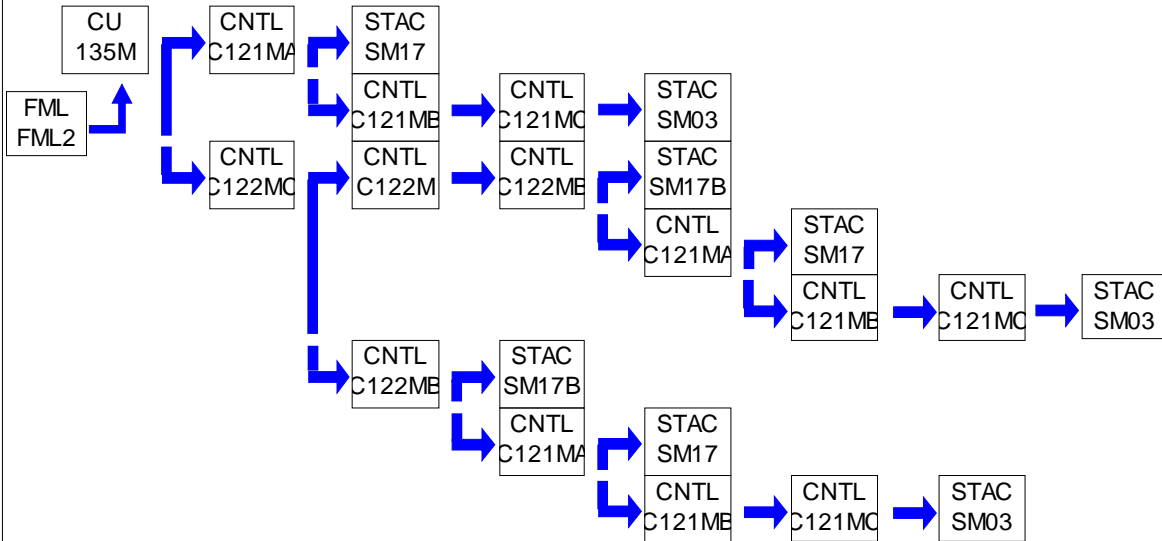
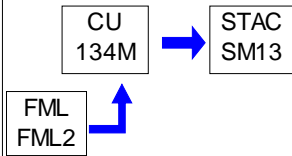
Source ID	Source Name	Capacity/Throughput	Fuel/Material
C123M	MDF SYSTEM 6, 7, & 8 BAGHOUSE		
C123MA	MDF SYSTEM 8 CYLCONE TO FORMER BIN		
C123MB	MDF SYSTEM 8 CYCLONE TO FIBER BUNKER		
C124M	MDF PRESS & UNLOADER TCO		
C126M	MDF SYSTEM 3 BAGHOUSE		
C127M	MDF SYSTEM 4 BAGHOUSE		
C128M	MDF SYSTEM 10 BAGHOUSE		
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		
Z01	FUGITIVES		
Z131M	MDF LIQUID STORAGE TANK FUGITIVES		

PERMIT MAPS

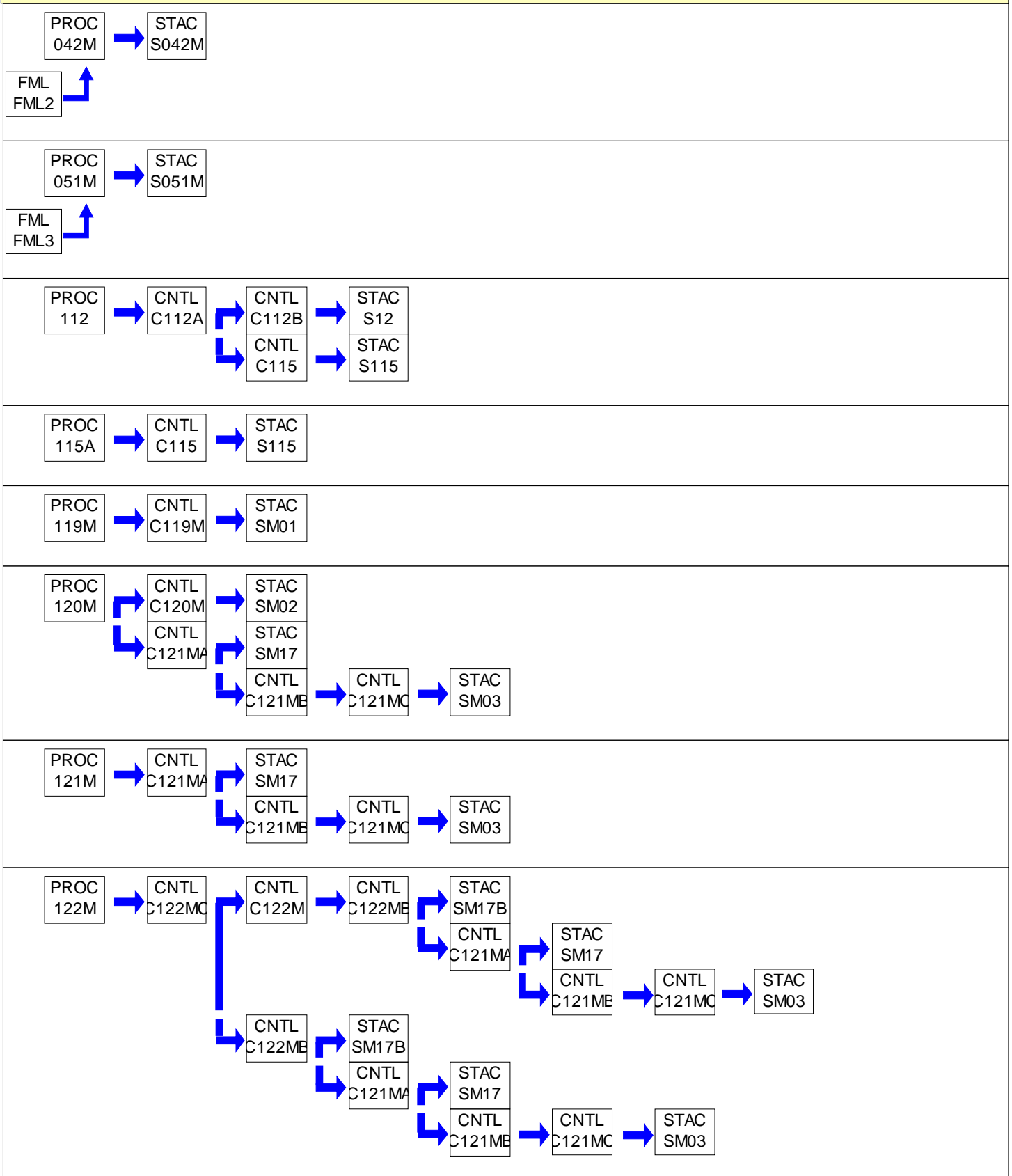


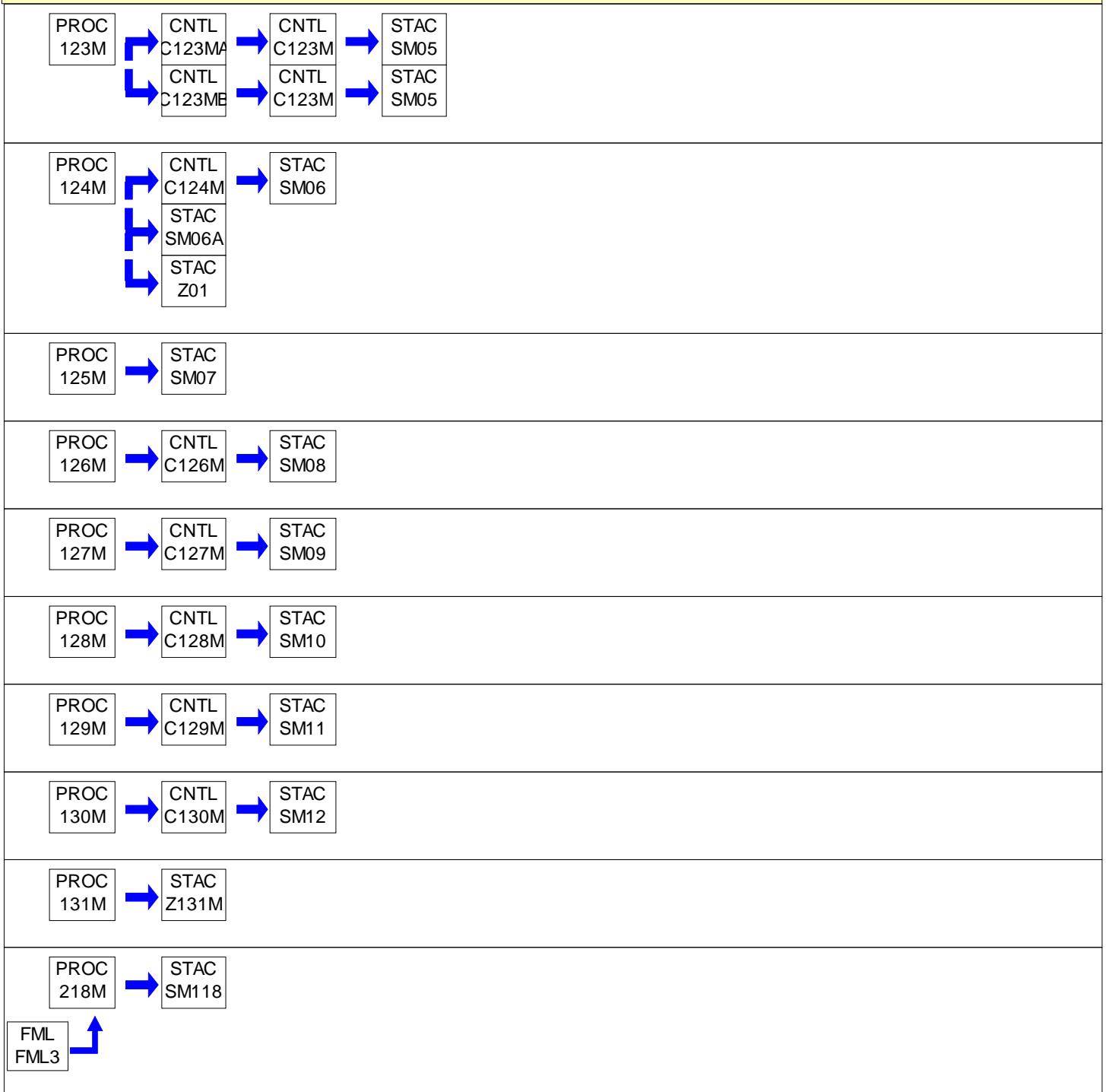
PERMIT MAPS



PERMIT MAPS**Alternative Operation:**

PERMIT MAPS



PERMIT MAPS

**SECTION B. General Title V Requirements****#001 [25 Pa. Code § 121.1]****Definitions**

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

#002 [25 Pa. Code § 121.7]**Prohibition of Air Pollution**

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

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

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

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

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

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

(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 the Department.

**SECTION B. General Title V Requirements**

(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.

#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

**SECTION B. General Title V Requirements**

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].

#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

**SECTION B. General Title V Requirements**

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).

(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.

(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).

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(e) The permittee shall pay an annual operating permit administration fee according to the fee schedule established in 25 Pa. Code § 127.704(c) if the facility, identified in Subparagraph (iv) of the definition of the term "Title V facility" in 25 Pa. Code § 121.1, is subject to Title V after the EPA Administrator completes a rulemaking requiring regulation of those sources under Title V of the Clean Air Act.

(f) This permit condition does not apply to a Title V facility which qualifies for exemption from emission fees under 35 P.S. § 4006.3(f).

#019 [25 Pa. Code §§ 127.14(b) & 127.449]**Authorization for De Minimis Emission Increases**

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

- (1) Identify and describe the pollutants that will be emitted as a result of the de minimis emissions increase.
- (2) Provide emission rates expressed in tons per year and in terms necessary to establish compliance consistent with any applicable requirement.

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

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

- (1) Four tons of carbon monoxide from a single source during the term of the permit and 20 tons of carbon monoxide at the facility during the term of the permit.
- (2) One ton of NO_x from a single source during the term of the permit and 5 tons of NO_x 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.
- (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.

**SECTION B. General Title V Requirements**

(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 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,

**SECTION B. General Title V Requirements**

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:

Office of Air Enforcement and Compliance Assistance (3AP20)
United States Environmental Protection Agency
Region 3
1650 Arch Street
Philadelphia, PA 19103-2029

(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.
- (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.

**SECTION B. General Title V Requirements**

(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 and EPA in accordance with the submission requirements specified in condition #022 of this section.

#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)

**SECTION B. General Title V Requirements**

- (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.

(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.

**SECTION B. General Title V Requirements**

(2) The permittee fails to submit a compliance schedule or include a statement in the compliance certification required under Condition #26 of Section B of this Title V 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.

**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 above, 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) [See Work Practice Requirements in this section.]

(d) [Does not apply]

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 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) Limitations are as follows:

(1) If control of malodorous air contaminants is required under subsection (b), emissions shall be incinerated at a minimum of 1200F for at least 0.3 seconds prior to their emission into the outdoor atmosphere.

**SECTION C. Site Level Requirements**

(2) Techniques other than incineration may be used to control malodorous air contaminants if such techniques are equivalent to or better than the required incineration in terms of control of the odor emissions and are approved in writing by the Department.

(b) 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.

(c) Not Applicable.

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).

(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.]

008 [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

**SECTION C. Site Level Requirements**

that is specified for your source in §63.2233 and according to §63.7(a)(2), whichever is later.

(b) Not Applicable

009 [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) You must conduct each performance test according to the requirements in §63.7(e)(1), the requirements in paragraphs (b) through (o) of this section, and according to the methods specified in Table 4 to this subpart.

[See Attached Table 4]

(b) Periods when performance tests must be conducted. (1) You must not conduct performance tests during periods of startup, shutdown, or malfunction, as specified in §63.7(e)(1).

(2) You must test under representative operating conditions as defined in §63.2292. You must describe representative operating conditions in your performance test report for the process and control systems and explain why they are representative.

(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) Not Applicable.

(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.

(2) Not Applicable.

(h) -(i) Not Applicable.

(j) Thickness basis conversion. Use Equation 3 of 40 CFR Section 63.2262(j) to convert from one thickness basis to another [See Attached Equation].

(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.

**SECTION C. Site Level Requirements**

(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) Not Applicable.

(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

(n) Not Applicable

(o) Not Applicable

III. MONITORING REQUIREMENTS.**# 010 [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.

**SECTION C. Site Level Requirements**

- (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) Perform an electronic calibration at least semiannually according to the procedures in the manufacturer's owners manual. Following the electronic calibration, you must conduct a temperature sensor validation check in which a second or redundant temperature sensor placed nearby the process temperature sensor must yield a reading within 30 °F of the process temperature sensor's reading.
- (5) Conduct calibration and validation checks 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) Not Applicable
- (d) Not Applicable

011 [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 from the monitoring requirements.
- (c) You may not use data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities; data recorded during periods of startup, shutdown, and malfunction; or data recorded during periods of 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) Not Applicable.
- (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).

IV. RECORDKEEPING REQUIREMENTS.**# 012 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

- (a) A daily inspection checklist shall be kept to record discovered emissions and corrective actions taken. The inspection

**SECTION C. Site Level Requirements**

records shall be kept on site and made available to the Department upon request.

(b) The company shall maintain a log of all preventative maintenance inspections for all the control devices at the MDF plant. The inspection log (at a minimum) shall contain the dates of the inspections, any potential problems or defects that were encountered, the steps taken to correct them, the measured pressure drop across the collector, and the measured current (KVA) at the wet ESPs.

(c) The company shall maintain records of the hours of operation of the sources and production levels at the MDF plant. The records shall be maintained for a minimum of 5 years. The records shall be made available to the Department upon request.

(d) The company shall also calculate and record the gas burned in the combustion units based on the measured amount for the process control computer. The record shall be kept for a minimum of 5 years.

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

013 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

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

Daily Production (3/4" basis) x Daily Average board density/permitted board density of 48.00 lb/ft³ = Adjusted Daily Production (3/4" basis).

014 [25 Pa. Code §135.5]**Recordkeeping**

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

015 [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) The records in §63.6(e)(3)(iii) through (v) related to startup, shutdown, and malfunction.

(3) Documentation of your approved routine control device maintenance exemption, if you request such an exemption under §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 Table 7 to this subpart to show continuous compliance with each compliance option, operating requirement, and work practice requirement that applies to you.

Table 7:

[To demonstrate continuous compliance for the TCO at the facility, the permittee shall check the activity level of a representative sample of the catalyst at least every 12 months and take any necessary corrective action to ensure that the catalyst is performing within its design range.]

(c) Not Applicable

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(d) Not Applicable

(e) If you operate a catalytic oxidizer, you must keep records of annual catalyst activity checks and subsequent corrective actions.

016 [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.

(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.

V. REPORTING REQUIREMENTS.**# 017 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

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 shall be submitted to the Department within two working days following incidents exceeding 30 minutes describing the malfunctions and corrective actions taken. The Department shall also accept an electronic notice of the malfunction in lieu of a written report. The notice at a minimum shall contain the affected source and control device, the start and end of excess emissions, the total duration of the event, and a description of the malfunction and how it was corrected.

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

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 subparagraph (1) and included in the Northeast Ozone Transport Region which emit or have the potential to emit 100 tons or more 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 VOC's 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.

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(d) Subsection (a) does not apply to a class or category of stationary sources which emits less than 25 tons per year of VOC's or oxides of nitrogen, if the Department in its submissions to the Administrator of the EPA under section 182(a)(1) or (3)(B)(ii) of the Clean Air Act (42 U.S.C.A. 7511a(a)(1) or (3)(B)(ii)) provides an inventory of emissions from the class or category of sources based on the use of the emission factors established by the Administrator or other methods acceptable to the Administrator. The Department will publish in the Pennsylvania Bulletin a notice of the lists of classes or categories of sources which are exempt from the emission statement requirement under this subsection.

019 [25 Pa. Code §135.3]**Reporting**

(a) A person who owns or operates a source to which this chapter applies, and who has previously been advised by the Department to submit a source report, shall submit by March 1 of each year a source report for the preceding calendar year. The report shall include information for all previously reported sources, new sources which were first operated during the preceding calendar year and sources modified during the same period which were not previously reported.

(b) A person who receives initial notification by the Department that a source report is necessary shall submit an initial source report within 60 days after receiving the notification or by March 1 of the year following the year for which the report is required, whichever is later.

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

020 [25 Pa. Code §135.4]**Report format**

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

021 [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, or after initial startup, whichever is later, as specified in §63.9(b)(2).

(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 initial compliance demonstration as specified in Tables 4, 5, and 6 to this subpart, you must submit a Notification of Compliance Status as specified in §63.9(h)(2)(ii).

(1) Not Applicable

(2) For each initial compliance demonstration required in Table 5 to this subpart that includes a performance test conducted according to the requirements in Table 4 [See Attached] to this subpart, you must submit the Notification of Compliance Status, including the performance test results, before the close of business on the 60th calendar day following the completion of the performance test according to §63.10(d)(2).

(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) Not Applicable.

(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.

**SECTION C. Site Level Requirements**

(1) You modify or replace the control system for any process unit subject to the compliance options and operating requirements in this subpart.

(2) Not Applicable

(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.

022 [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 (5) 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.

(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).

(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.

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(iii) Not Applicable

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

(7) If there are no deviations from any applicable compliance option or operating requirement, 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) Not Applicable

(e) For each deviation from a compliance option or operating requirement occurring at an affected source where you are using a CMS to comply with the compliance options and operating requirements in this subpart, you must include the information in paragraphs (c)(1) through (6) and paragraphs (e)(1) through (11) of this section. This includes periods of startup, shutdown, and malfunction and routine control device maintenance.

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

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

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

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

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

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

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

(8) A brief description of the process units.

(9) A brief description of the CMS.

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

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

(f) Not applicable.

(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

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otherwise affect any obligation the affected source may have to report deviations from permit requirements to the permitting authority.

[Table 9]

You must submit the following:

(1) Compliance Report that contains the information in §63.2281(c) through (g), Semiannually according to the requirements in §63.2281(b).

(2) 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

The report must contain the following:

(i) Actions taken for the event submitted by fax or telephone within 2 working days after starting actions inconsistent with the plan.

(ii) The information in §63.10(d)(5)(ii) By letter within 7 working days after the end of the event unless you have made alternative arrangements with the permitting authority.

VI. WORK PRACTICE REQUIREMENTS.**# 023 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

[From 25 Pa. Code 123.1(c).]

(c) A person responsible for any source specified in 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.

024 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

(a) 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.

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

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

(d) 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.

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

(f) For each fabric collector, twenty percent of the total number of bags in the baghouse is required to be on hand for

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replacement as necessary.

(g) The approved ranges for the primary and secondary voltages are 20 - 45 kVA and 25-45 kVA, respectively. The primary and secondary current shall range from 5 - 400 milliamperes.

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

025 [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?

You must meet the compliance options and operating requirements described in Tables 1A, 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 Tables 1A and 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.

[The facility has chosen to comply with the add-on control requirement for the RTO on the 1st stage dryer and the TCO on the press/unloader system. The permittee will limit emissions of total HAP, measured as THC (as carbon), to 20 ppmvd, using Method 25A in appendix A to 40 CFR part 60. The facility will measure emissions of methane using EPA Method 18 in appendix A to 40 CFR part 60 and subtract the methane emissions from the emissions of total HAP as THC.]

[For the RTO, the facility will maintain the 3-hour block average firebox temperature above the minimum temperature established during the most recent performance test.]

[For the TCO, the facility will maintain the 3-hour block average catalytic oxidizer temperature above the minimum temperature established during the most recent performance test and check the activity level of a representative sample of the catalyst at least once every 12 months.]

(c) Not Applicable

026 [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.

 Table 3 - Item 5:

(5) For Group 1 miscellaneous coating operations you must use non-HAP coatings as defined in Section 63.2292

[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

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same site of fiberboard manufacture.

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 29 CFR 1910.1200(d)(4), and below 1.0 percent by mass for other HAP compounds.]

(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.

027 [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) You must be in compliance with the compliance options, operating requirements, and the work practice requirements in this subpart at all times, except during periods of process unit or control device startup, shutdown, and malfunction; prior to process unit initial startup; and during the routine control device maintenance exemption specified in §63.2251. The compliance options, operating requirements, and work practice requirements do not apply during times when the process unit(s) subject to the compliance options, operating requirements, and work practice requirements are not operating, or during periods of startup, shutdown, and malfunction. Startup and shutdown periods must not exceed the minimum amount of time necessary for these events.

(b) You must always operate and maintain your affected source, including air pollution control and monitoring equipment, according to the provisions in §63.6(e)(1)(i).

(c) You must develop a written SSMP according to the provisions in §63.6(e)(3).

(d) Not Applicable.

VII. ADDITIONAL REQUIREMENTS.

028 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[Plan Approval 42-158P]

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

029 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[Plan Approval 42-158P]

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.

030 [25 Pa. Code §129.14]

Open burning operations

(a) Not Applicable

(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

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land the open burning is being conducted.

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

(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) [Does not apply]

(5) [Does not apply]

(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) [Does not apply]

(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.]

031 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.2231]

Subpart DDDD - National Emission Standards for Hazardous Air Pollutants: Plywood and Composite Wood Products
Does this subpart apply to me?

This subpart applies to you if you meet the criteria in paragraphs (a) and (b) of this section.

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(a) You own or operate a PCWP manufacturing facility. A PCWP manufacturing facility is 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 structural panel or engineered wood product. 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, oriented strandboard, hardboard, fiberboard, medium density fiberboard, laminated strand lumber, laminated veneer lumber, wood I-joists, kiln-dried lumber, and glue-laminated beams.

(b) The PCWP manufacturing facility is located at a major source of HAP emissions. A major source of HAP emissions is any stationary source or group of stationary sources within a contiguous area and under common control that emits or has the potential to emit any single HAP at a rate of 9.07 megagrams (10 tons) or more per year or any combination of HAP at a rate of 22.68 megagrams (25 tons) or more per year.

[69 FR 46011, July 30, 2004, as amended at 72 FR 61062, Oct. 29, 2007]

032 [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.

033 [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.

(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.

(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.

(c) If you have an area source that increases its emissions or its potential to emit such that it becomes a major source of

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HAP, you must be in compliance with this subpart by October 1, 2007 or upon initial startup of your affected source as a major source, whichever is later.

(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]

034 [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 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.

035 [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.

Table 2 option selected by the facility:

SECTION C. Site Level Requirements

[For the RTO, the facility will maintain the 3-hour block average firebox temperature above the minimum temperature established during the most recent performance test.]

[For the TCO, the facility will maintain the 3-hour block average catalytic oxidizer temperature above the minimum temperature established during the most recent performance test and check the activity level of a representative sample of the catalyst at least once every 12 months.]

[Table 4 See Attached]

(b) You must demonstrate initial compliance with each compliance option, operating requirement, and work practice requirement that applies to you according to Table 5 to this subpart and according to §§63.2260 through 63.2269 of this subpart.

The compliance option for Table 5 for the facility is:

[For the initial compliance demonstration for the RTO and TCO, the facility must limit emissions of total HAP, measured as THC, to 20 ppmvd. 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.]

In addition to the preceding paragraph, for initial compliance demonstration for the press, the facility must submit the results of the capture efficiency verification using the methods in Table 4 of 40 CFR 63 Subpart DDDD with the facility Notification of Compliance Status.]

(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).

036 [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.

037 [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 Table 7 to this subpart.

The compliance requirement for Table 7 is:

[To demonstrate continuous compliance for the TCO at the facility, the permittee shall check the activity level of a representative sample of the catalyst at least every 12 months and take any necessary corrective action to ensure that the catalyst is performing within its design range.]

(b) You must report each instance in which you did not meet each compliance option, operating requirement, and work practice requirement in Table 7 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 (3) 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) [Reserved]

**SECTION C. Site Level Requirements**

(2) Consistent with §§63.6(e) and 63.7(e)(1), deviations that occur during a period of startup, shutdown, or malfunction are not violations if you demonstrate to the EPA Administrator's satisfaction that you were operating in accordance with §63.6(e)(1). The EPA Administrator will determine whether deviations that occur during a period of startup, shutdown, or malfunction are violations, according to the provisions in §63.6(e).

(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.

038 [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 63.13 apply to you. [See Attached]

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

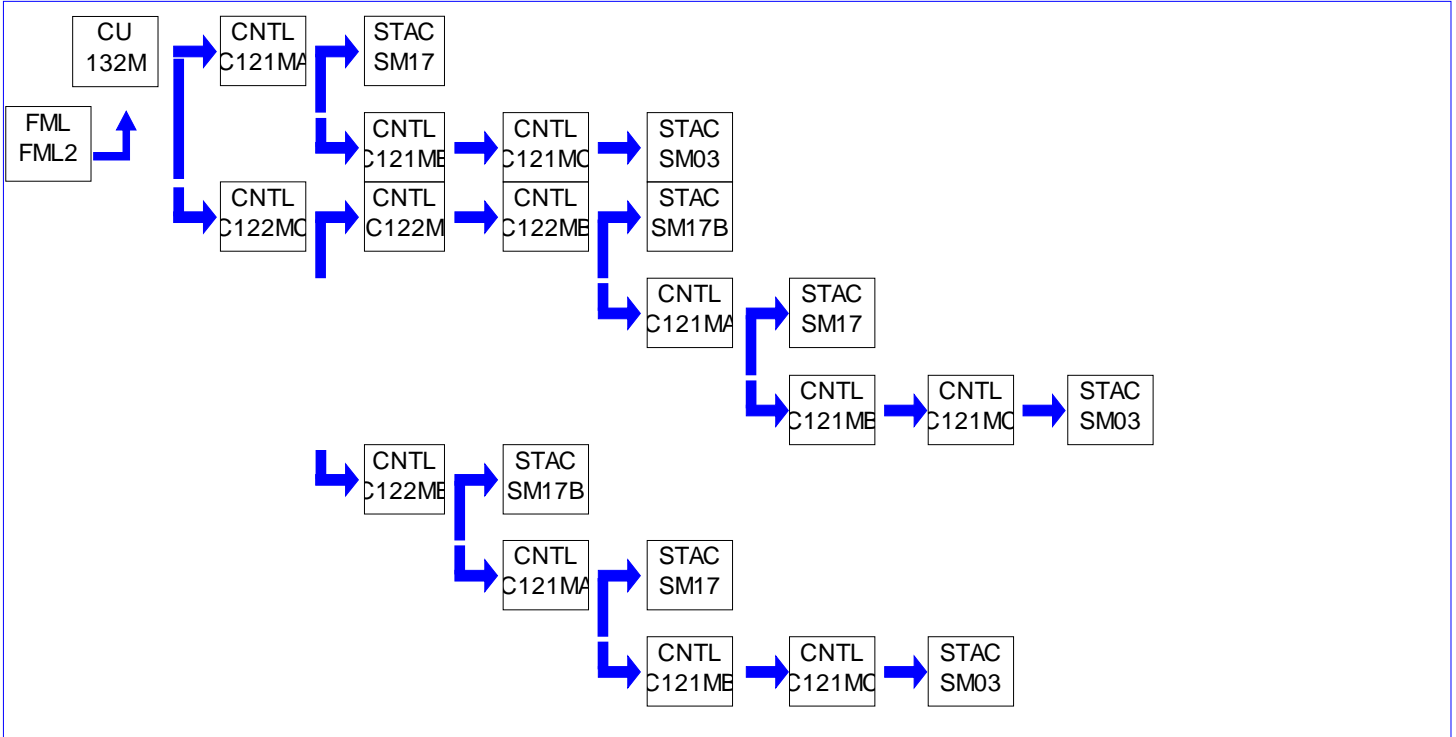
Source Name: MDF WESTEC PANEL BURNER

Source Capacity/Throughput: 54.000 MMBTU/HR

50,000.000 CF/HR

Natural Gas

Conditions for this source occur in the following groups: PAL 42-158Q
 RACT II FOR DRYER SYSTEMS
 SM03



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[Plan Approval 42-158R]

(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

[Plan Approval 42-158R]

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

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

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.

**SECTION D. Source Level Requirements**

[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 MMBTU/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

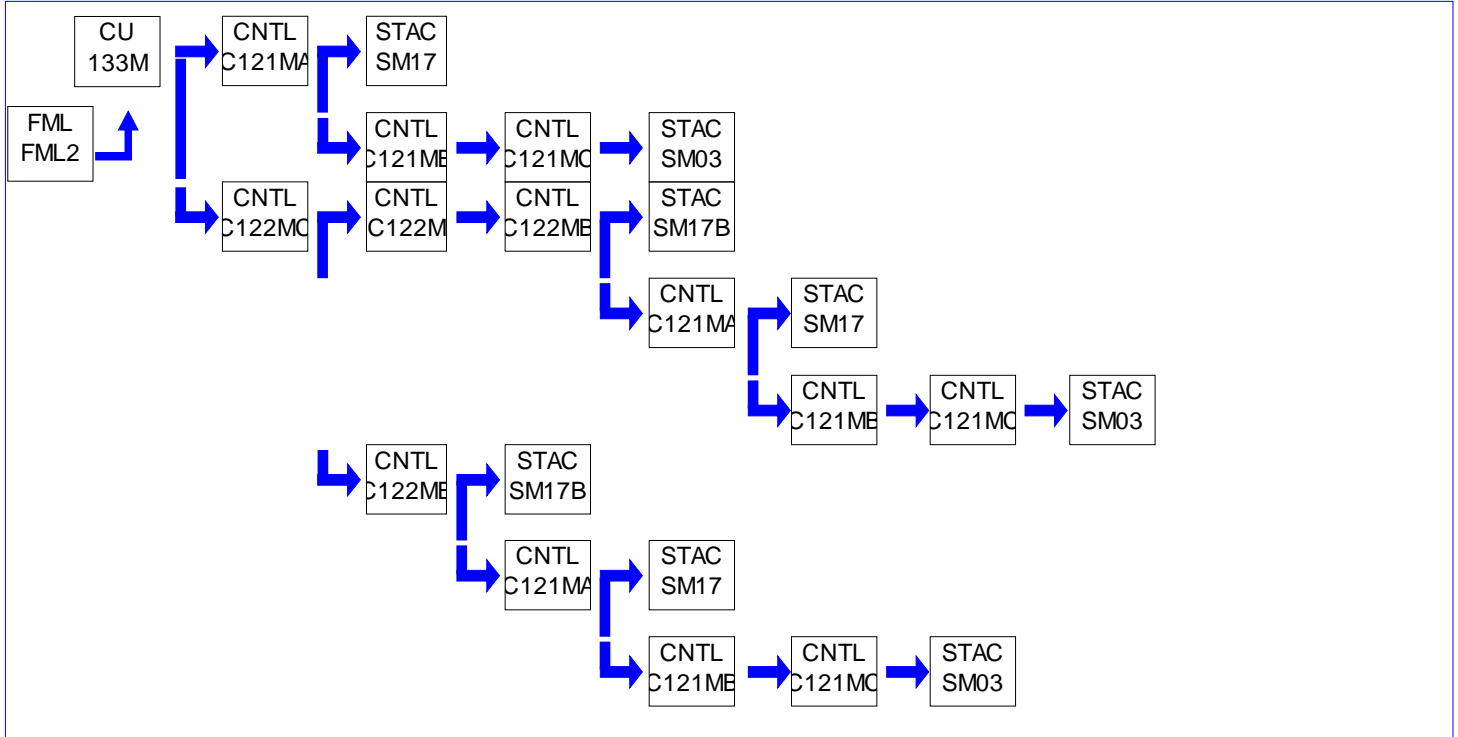
Source Name: MDF WESTEC COEN BURNER

Source Capacity/Throughput: 43.000 MMBTU/HR

40,000.000 CF/HR

Natural Gas

Conditions for this source occur in the following groups: PAL 42-158Q
 RACT II FOR DRYER SYSTEMS
 SM03

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

001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[Plan Approval 42-158R]

(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

[Plan Approval 42-158R]

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

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

Fuel Restriction(s).

002 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[TVOP Application letter 11/15/16]



SECTION D. Source Level Requirements

(a) 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.

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

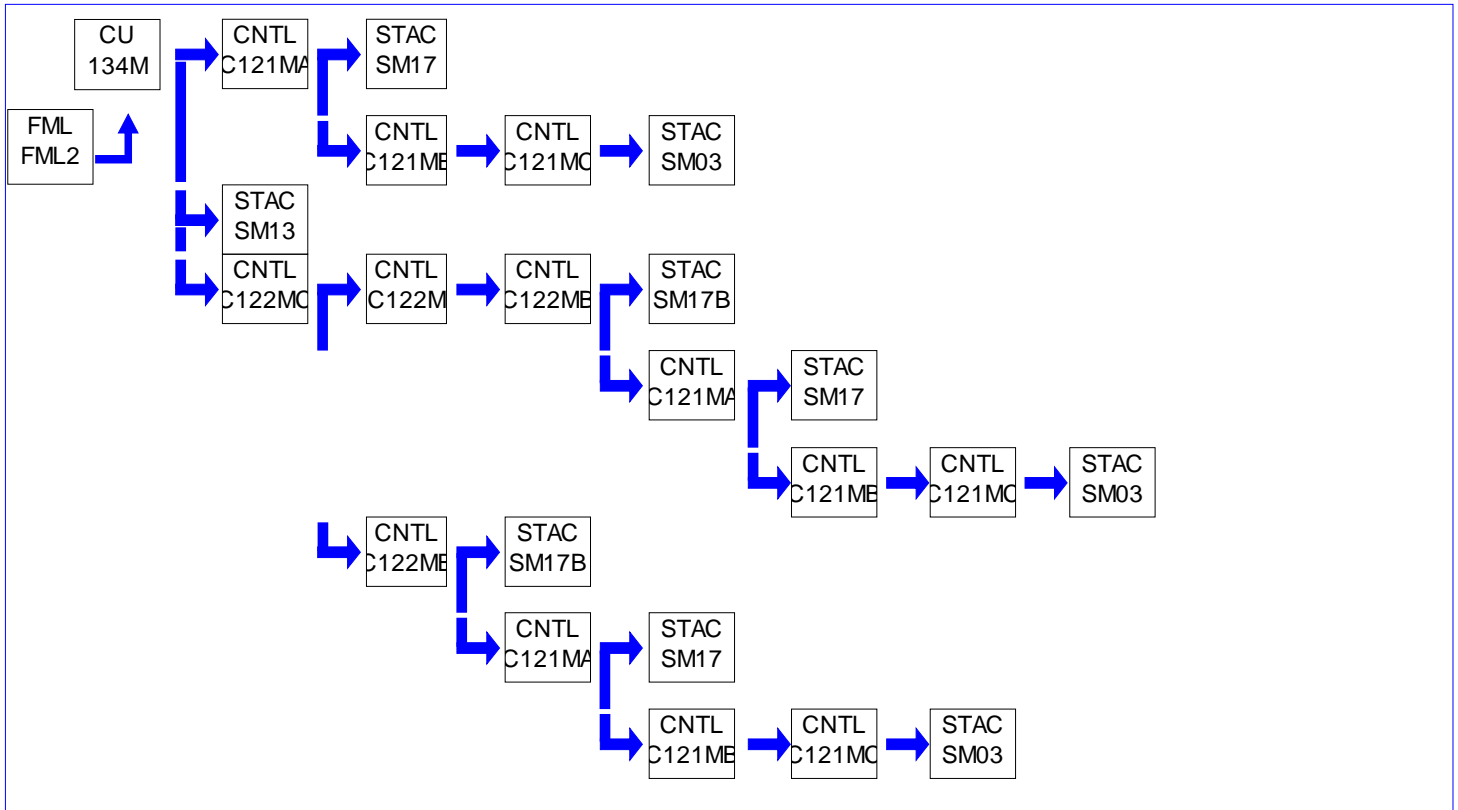
Source Name: MDF GEKA COEN BURNER

Source Capacity/Throughput: 49.900 MMBTU/HR

46,420.000 CF/HR

Natural Gas

Conditions for this source occur in the following groups: PAL 42-158Q
 RACT II FOR DRYER SYSTEMS
 SM03



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.**

[Plan Approval 42-158R]

(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

[Plan Approval 42-158R]

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

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

**SECTION D. Source Level Requirements****Fuel Restriction(s).**

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

[TVOP Application letter 11/15/16]

(a) 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.

Operation Hours Restriction(s).

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

The facility shall use the Abort stack (SM13) for the Geka Coen (Source 134M) a maximum of 72 hours per year based on a twelve month rolling total.

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:

- i. Date the emergency abort gate was used;
- ii. The reason for the use of the emergency abort gate;
- iii. The duration of the emergency abort stack usage;
- iv. The flow rate sent to the emergency abort stack;
- v. The amount of pollutants emitted during the usage.

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:

- i. Date the emergency abort gate (SM13) was used;
- ii. The reason for the use of the emergency abort gate;
- iii. The duration of the emergency abort stack usage;
- iv. The flow rate sent to the emergency abort stack;

**SECTION D. Source Level Requirements**

v. The amount of pollutants emitted during the usage.

**# 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
Reporting and recordkeeping requirements.**

(a) The owner or operator of each affected facility shall submit notification of the date of construction or reconstruction and actual startup, as provided by §60.7 of this part. This notification shall include:

(1) The design heat input capacity of the affected facility and identification of fuels to be combusted in the affected facility.

(2) If applicable, a copy of any federally enforceable requirement that limits the annual capacity factor for any fuel or mixture of fuels under §60.42c, or §60.43c.

(3) The annual capacity factor at which the owner or operator anticipates operating the affected facility based on all fuels fired and based on each individual fuel fired.

(4) Notification if an emerging technology will be used for controlling SO₂ emissions. The Administrator will examine the description of the control device and will determine whether the technology qualifies as an emerging technology. In making this determination, the Administrator may require the owner or operator of the affected facility to submit additional information concerning the control device. The affected facility is subject to the provisions of §60.42c(a) or (b)(1), unless and until this determination is made by the Administrator.

(b) Not Applicable

(c) Not Applicable

(d) Not Applicable

(e) Not Applicable

(f) Not Applicable

(g)(1) Not Applicable

(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) Not applicable

(h) Not Applicable

(i) All records required under this section shall be maintained by the owner or operator of the affected facility for a period of two years following the date of such record.

(j) Not Applicable

VI. WORK PRACTICE REQUIREMENTS.

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

[Plan Approval 42-158R]

**SECTION D. Source Level Requirements**

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

1. The facility shall weld the mechanical linkage that regulates gas flow such that it is no longer adjustable.
2. Install a regulator sized with an orifice to limit the gas flow such that the burner is not capable to be fired at 50 mmbtu/hr or greater.

008 [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.

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

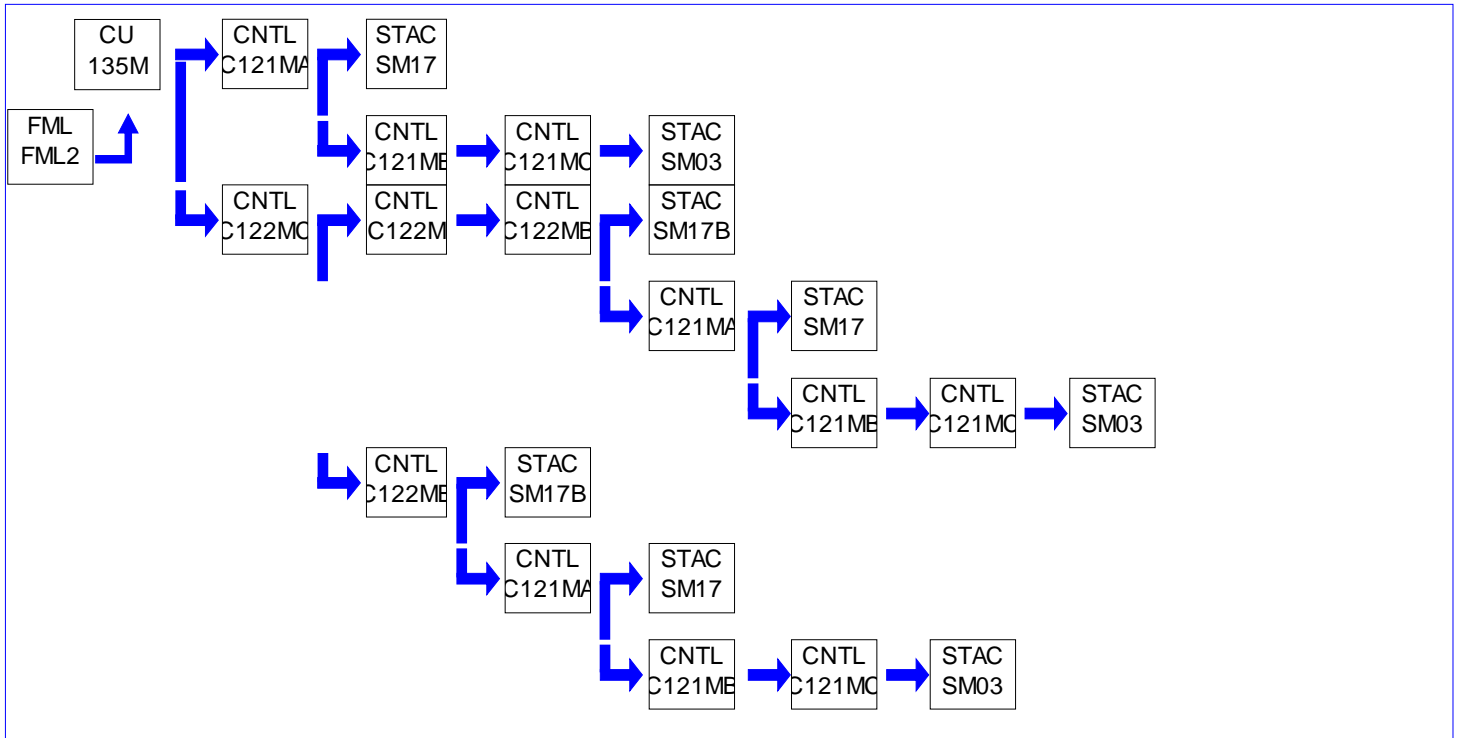
Source Name: MDF STANDBY GAS FIRED OIL HEATER GEKA AUX

Source Capacity/Throughput: 43.000 MMBTU/HR

40,000.000 CF/HR

Natural Gas

Conditions for this source occur in the following groups: PAL 42-158Q
 RACT II FOR DRYER SYSTEMS
 SM03

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

[Plan Approval 42-158R]

(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

[Plan Approval 42-158R]

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

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

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.

**SECTION D. Source Level Requirements**

[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.

[Plan Approval 42-158P]

The 40 MMBTU/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.

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.

004 [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) The owner or operator of each affected facility shall submit notification of the date of construction or reconstruction and actual startup, as provided by §60.7 of this part. This notification shall include:

(1) The design heat input capacity of the affected facility and identification of fuels to be combusted in the affected facility.

(2) If applicable, a copy of any federally enforceable requirement that limits the annual capacity factor for any fuel or mixture of fuels under §60.42c, or §60.43c.

(3) The annual capacity factor at which the owner or operator anticipates operating the affected facility based on all fuels fired and based on each individual fuel fired.

(4) Notification if an emerging technology will be used for controlling SO₂ emissions. The Administrator will examine the description of the control device and will determine whether the technology qualifies as an emerging technology. In making this determination, the Administrator may require the owner or operator of the affected facility to submit additional information concerning the control device. The affected facility is subject to the provisions of §60.42c(a) or (b)(1), unless and until this determination is made by the Administrator.

(b) Not Applicable

(c) Not Applicable

**SECTION D. Source Level Requirements**

(d) Not Applicable

(e) Not Applicable

(f) Not Applicable

(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) Not Applicable

(i) All records required under this section shall be maintained by the owner or operator of the affected facility for a period of two years following the date of such record.

(j) Not Applicable

VI. WORK PRACTICE REQUIREMENTS.

005 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[Plan Approval 42-158P]

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].

VII. ADDITIONAL REQUIREMENTS.

006 [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**

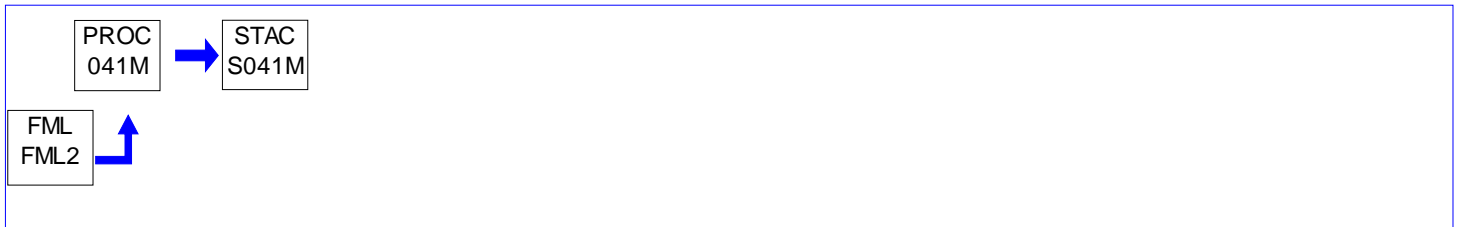
Source ID: 041M

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: PAL 42-158Q
RACT II**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.13]****Processes**

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

(b) [Does not apply]

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

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

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

(ii) [Does not apply]

(iii) [Does not apply]

(d) [Does not apply]

002 [25 Pa. Code §123.21]**General**

(a) This section applies to sources except those subject to other provisions of this article, with respect to the control of sulfur compound emissions.

(b) 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) 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.

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**

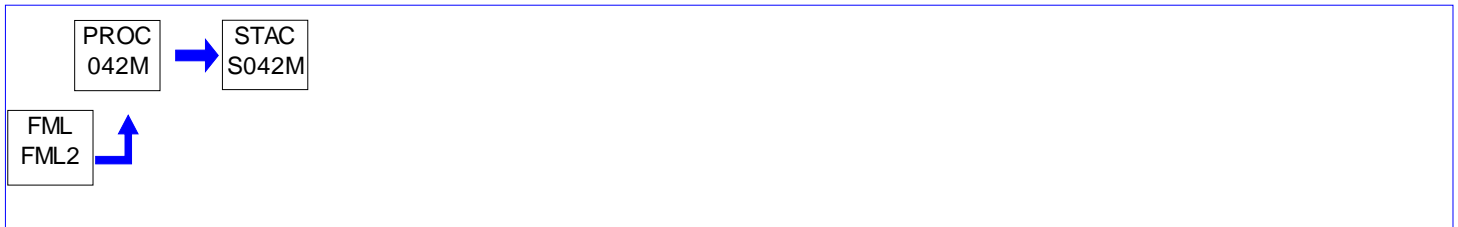
Source ID: 042M

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: PAL 42-158Q
RACT II**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.13]****Processes**

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

(b) [Does not apply]

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

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

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

(ii) [Does not apply]

(iii) [Does not apply]

(d) [Does not apply]

002 [25 Pa. Code §123.21]**General**

(a) This section applies to sources except those subject to other provisions of this article, with respect to the control of sulfur compound emissions.

(b) 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) 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.

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

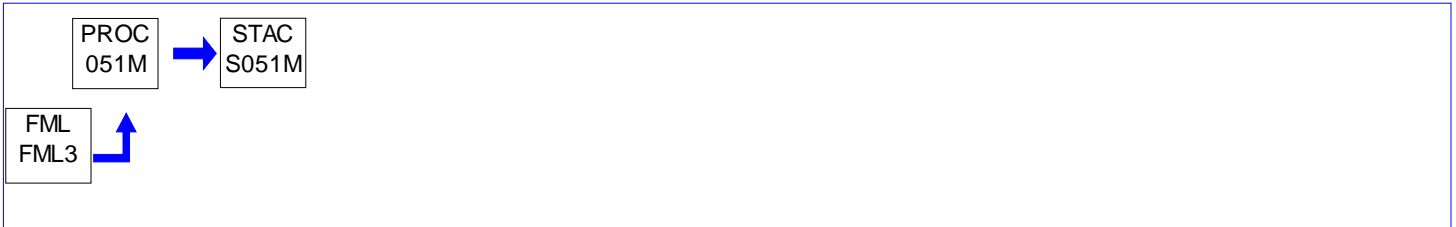
Source Name: EMERGENCY GENERATORS / EMERGENCY FIRE PUMP

Source Capacity/Throughput:

N/A

#2 Oil

Conditions for this source occur in the following groups: PAL 42-158Q
RACT II

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

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

(b) [Does not apply]

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

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

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

(ii) [Does not apply]

(iii) [Does not apply]

(d) [Does not apply]

002 [25 Pa. Code §123.21]**General**

(a) This section applies to sources except those subject to other provisions of this article, with respect to the control of sulfur compound emissions.

(b) 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.

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**

**SECTION D. Source Level Requirements**

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

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

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

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

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

(ii) - (iii) Not applicable.

(3) 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 and emergency demand response 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) [Does not apply]

[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]

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) [Do not apply]

(e) If you own or operate any of the following stationary RICE, you must operate and maintain the stationary RICE and after-

**SECTION D. Source Level Requirements**

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:

(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.

(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 an major source of HAP emissions, you must install a non-resettable hour meter if one is not already installed.

(g) [Does not apply]

(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.

(i) If you own or operate a stationary CI engine that is subject to the work, operation or management practices in items 1 or 2 of Table 2c to this subpart or in items 1 or 4 of Table 2d to this subpart, you have the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2c and 2d to this subpart. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c or 2d to this subpart. The analysis program must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 business days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine.

(j) [Does not apply]

[69 FR page 33506, June 15, 2004, as amended at 73 FR page 3606, Jan. 18, 2008; 75 FR page 9676, Mar. 3, 2010; 75 FR page 51589, Aug. 20, 2010; 76 FR 12866, Mar. 9, 2011; 78 FR 6703, 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) [Does not apply]

(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) - (4) [Does not apply]

(5) Records of actions taken during periods of malfunction to minimize emissions in accordance with § 63.6605(b),

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including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.

(b) - (c) [Do not apply]

(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) [Does not apply]

(2) An existing stationary emergency RICE.

(3) [Does not apply]

(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 purposes specified in § 63.6640(f)(2)(ii) or (iii) or § 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) [Does not apply]

[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]

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 63.6640]

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?

**SECTION D. Source Level Requirements**

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

(e) You must also report each instance in which you did not meet the requirements in Table 8 of this subpart that apply to you.

008 [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 §§ 63.9(b) 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) An existing stationary RICE located at an area source of HAP emissions.

(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) - (c) [Do not apply]

(d) As specified in §63.9(b)(2), if you start up your stationary RICE with a site rating of equal to or less than 500 brake HP located at a major source of HAP emissions before the effective date of this subpart and you are required to submit an initial notification, you must submit an Initial Notification not later than July 16, 2008.

(e) - (i) [Do not apply]

[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]

VI. WORK PRACTICE REQUIREMENTS.

009 [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 emission limitations and other requirements in Table 2c to this subpart which apply to you.

[78 FR 6701, Jan. 30, 2013]

[From Paragraph (1) of Table 2c, in Subpart ZZZZ]

These compression ignition (CI) engines must be maintained according to the following.

You must meet the following requirement, except during periods of startup:

**SECTION D. Source Level Requirements**

- a. Change oil and filter every 500 hours of operation or annually, whichever comes first.
- b. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary;
- c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

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.

Footnotes to Table 2c:

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.

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.

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]

010 [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?

This requirement pertains to the MDF Emergency Generator.

(a) [Do not apply]

(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 or is contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in § 63.6640(f)(2)(ii) and (iii) or that operates for the purpose specified in § 63.6640(f)(4)(ii), you must use diesel fuel that meets the requirements in 40 CFR 80.510(b) for nonroad diesel fuel, except that any existing diesel fuel purchased (or otherwise obtained) prior to January 1, 2015, may be used until depleted.

[Excerpt from 40 CFR 80.510(b)]

Beginning June 1, 2010 . Except as otherwise specifically provided in this subpart, all Non-Road (NR) diesel fuel is subject to the following per-gallon standards:

(1) Sulfur content.

(i) 15 ppm maximum for NR diesel fuel.

(2) Cetane index or aromatic content, as follows:

(i) A minimum cetane index of 40; or

(ii) A maximum aromatic content of 35 volume percent.

**SECTION D. Source Level Requirements**

(c) - (d) [Do not apply]

[78 FR 6702, Jan. 30, 2013]

011 [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]

012 [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) You must demonstrate continuous compliance with each emission limitation, operating limitation, and other requirements in Table 2c to this subpart that apply to you according to methods specified in Table 6 to this subpart.

[From Table 6, Paragraph 9]

9. For each existing emergency and black start stationary RICE less than or equal to 500 HP located at a major source of HAP, complying with Work or Management practices 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.

(b) You must report each instance in which you did not meet each emission limitation or operating limitation in Table 2c of 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.

(c) - (d) [Does not apply]

(e) [See Reporting Requirements]

(f) [See Restrictions]

**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.****# 013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6580]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What is the purpose of subpart ZZZZ?**

Subpart ZZZZ establishes national emission limitations and operating limitations for hazardous air pollutants (HAP) emitted from stationary reciprocating internal combustion engines (RICE) located at major and area sources of HAP emissions. This subpart also establishes requirements to demonstrate initial and continuous compliance with the emission limitations and operating limitations.

[73 FR page 3603, Jan. 18, 2008, eff. Mar. 18, 2008]

014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6585]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****Am I subject to this subpart?**

You are subject to this subpart if you own or operate a stationary RICE at a major or area source of HAP emissions, except if the stationary RICE is being tested at a stationary RICE test cell/stand.

(a) A stationary RICE is any internal combustion engine which uses reciprocating motion to convert heat energy into mechanical work and which is not mobile. Stationary RICE differ from mobile RICE in that a stationary RICE is not a non-road engine as defined at 40 CFR 1068.30, and is not used to propel a motor vehicle or a vehicle used solely for competition.

(b) A major source of HAP emissions is a plant site that emits or has the potential to emit any single HAP at a rate of 10 tons (9.07 megagrams) or more per year or any combination of HAP at a rate of 25 tons (22.68 megagrams) or more per year, except that for oil and gas production facilities, a major source of HAP emissions is determined for each surface site.

(c) - (f) [Do not apply]

[69 FR page 33506, June 15, 2004, as amended at 73 FR page 3603, Jan. 18, 2008, eff. Mar. 18, 2008; 78 FR 6700, Jan. 30, 2013]

015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6590]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What parts of my plant does this subpart cover?**

This subpart applies to each affected source.

(a) Affected source. An affected source is any existing, new, or reconstructed stationary RICE located at a major or area source of HAP emissions, excluding stationary RICE being tested at a stationary RICE test cell/stand.

(1) Existing stationary RICE.

(i) For stationary RICE with a site rating of more than 500 brake horsepower (HP) located at a major source of HAP emissions, a stationary RICE is existing if you commenced construction or reconstruction of the stationary RICE before December 19, 2002.

(ii) For stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions, a stationary RICE is existing if you commenced construction or reconstruction of the stationary RICE before June 12, 2006. [Pertains to the MDF Emergency Generator and the Emergency fire Water Pump Engine]

(iii) [Does not apply]

(iv) A change in ownership of an existing stationary RICE does not make that stationary RICE a new or reconstructed stationary RICE.

**SECTION D. Source Level Requirements**

(2) - (3) [Do not apply]

(b) Stationary RICE subject to limited requirements.

(1) - (2) [Do not apply]

(3) The following stationary RICE do not have to meet the requirements of this subpart and of subpart A of this part, including initial notification requirements:

(i) - (ii) [Do not apply];

(iii) Existing emergency stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions that does not operate or is not contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in § 63.6640(f)(2)(ii) and (iii); [Pertains to the PB Emergency Generator 535 HP engine]

(iv) [Does not apply]

(c) [Does not apply]

[69 FR page 33506, June 15, 2004, as amended at 73 FR page 3604, Jan. 18, 2008; 75 FR page 9674, Mar. 3, 2010; 75 FR page 37733, June 30, 2010; 75 FR page 51588, Aug. 20, 2010; 78 FR 6700, Jan. 30, 2013]

016 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6595]

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

When do I have to comply with this subpart?

(a) Affected Sources.

(1) If you have an existing stationary RICE, excluding existing non-emergency CI stationary RICE, with a site rating of more than 500 brake HP located at a major source of HAP emissions, you must comply with the applicable emission limitations, operating limitations and other requirements no later than June 15, 2007. If you have an existing non-emergency CI stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, an existing stationary CI 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 stationary CI RICE located at an area source of HAP emissions, you must comply with the applicable emission limitations, operating limitations, and other requirements no later than May 3, 2013. If you have an existing stationary SI 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 stationary SI RICE located at an area source of HAP emissions, you must comply with the applicable emission limitations, operating limitations, and other requirements no later than October 19, 2013.

(2) - (7) [Do not apply]

(b) - (c) [Do not apply]

[69 FR page 33506, June 15, 2004, as amended at 73 FR page 3604, Jan. 18, 2008; 75 FR page 9675, Mar. 3, 2010; 75 FR page 51589, Aug. 20, 2010; 78 FR 6701, Jan. 30, 2013]

017 [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 of Subpart ZZZZ shows which parts of the General Provisions in §§63.1 through 63.15 apply to you.

018 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6670]

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

Who implements and enforces this subpart?

**SECTION D. Source Level Requirements**

- (a) This subpart is implemented and enforced by the U.S. EPA, or a delegated authority such as your State, local, or tribal agency. If the U.S. EPA Administrator has delegated authority to your State, local, or tribal agency, then that agency (as well as the U.S. EPA) has the authority to implement and enforce this subpart. You should contact your U.S. EPA Regional Office to find out whether 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 Administrator of the U.S. EPA 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:
- (1) Approval of alternatives to the non-opacity emission limitations and operating limitations in §63.6600 under §63.6(g).
 - (2) Approval of major alternatives to test methods under §63.7(e)(2)(ii) and (f) and as defined in §63.90.
 - (3) Approval of major alternatives to monitoring under §63.8(f) and as defined in §63.90.
 - (4) Approval of major alternatives to recordkeeping and reporting under §63.10(f) and as defined in §63.90.
 - (5) Approval of a performance test which was conducted prior to the effective date of the rule, as specified in §63.6610(b).

019 [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:

Alaska Railbelt Grid means the service areas of the six regulated public utilities that extend from Fairbanks to Anchorage and the Kenai Peninsula. These utilities are Golden Valley Electric Association; Chugach Electric Association; Matanuska Electric Association; Homer Electric Association; Anchorage Municipal Light & Power; and the City of Seward Electric System.

Area source means any stationary source of HAP that is not a major source as defined in part 63.

Associated equipment as used in this subpart and as referred to in section 112(n)(4) of the CAA, means equipment associated with an oil or natural gas exploration or production well, and includes all equipment from the well bore to the point of custody transfer, except glycol dehydration units, storage vessels with potential for flash emissions, combustion turbines, and stationary RICE.

Backup power for renewable energy means an engine that provides backup power to a facility that generates electricity from renewable energy resources, as that term is defined in Alaska Statute 42.45.045(l)(5) (incorporated by reference, see § 63.14).

Black start engine means an engine whose only purpose is to start up a combustion turbine.

CAA means the Clean Air Act (42 U.S.C. 7401 et seq., as amended by Public Law 101-549, 104 Stat. 2399).

Commercial emergency stationary RICE means an emergency stationary RICE used in commercial establishments such as office buildings, hotels, stores, telecommunications facilities, restaurants, financial institutions such as banks, doctor's offices, and sports and performing arts facilities.

Compression ignition means relating to a type of stationary internal combustion engine that is not a spark ignition engine.

Custody transfer means the transfer of hydrocarbon liquids or natural gas: After processing and/or treatment in the producing operations, or from storage vessels or automatic transfer facilities or other such equipment, including product

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loading racks, to pipelines or any other forms of transportation. For the purposes of this subpart, the point at which such liquids or natural gas enters a natural gas processing plant is a point of custody transfer.

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).

Diesel engine means any stationary RICE in which a high boiling point liquid fuel injected into the combustion chamber ignites when the air charge has been compressed to a temperature sufficiently high for auto-ignition. This process is also known as compression ignition.

Diesel fuel means any liquid obtained from the distillation of petroleum with a boiling point of approximately 150 to 360 degrees Celsius. One commonly used form is fuel oil number 2. Diesel fuel also includes any non-distillate fuel with comparable physical and chemical properties (e.g. biodiesel) that is suitable for use in compression ignition engines.

Digester gas means any gaseous by-product of wastewater treatment typically formed through the anaerobic decomposition of organic waste materials and composed principally of methane and CO₂.

Dual-fuel engine means any stationary RICE in which a liquid fuel (typically diesel fuel) is used for compression ignition and gaseous fuel (typically natural gas) is used as the primary fuel.

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)(2)(ii) or (iii) and § 63.6640(f)(4)(i) or (ii).

Engine startup means the time from initial start until applied load and engine and associated equipment reaches steady state or normal operation. For stationary engine with catalytic controls, engine startup means the time from initial start until applied load and engine and associated equipment, including the catalyst, reaches steady state or normal operation.

Four-stroke engine means any type of engine which completes the power cycle in two crankshaft revolutions, with intake and compression strokes in the first revolution and power and exhaust strokes in the second revolution.

Gaseous fuel means a material used for combustion which is in the gaseous state at standard atmospheric temperature and pressure conditions.

**SECTION D. Source Level Requirements**

Gasoline means any fuel sold in any State for use in motor vehicles and motor vehicle engines, or nonroad or stationary engines, and commonly or commercially known or sold as gasoline.

Glycol dehydration unit means a device in which a liquid glycol (including, but not limited to, ethylene glycol, diethylene glycol, or triethylene glycol) absorbent directly contacts a natural gas stream and absorbs water in a contact tower or absorption column (absorber). The glycol contacts and absorbs water vapor and other gas stream constituents from the natural gas and becomes "rich" glycol. This glycol is then regenerated in the glycol dehydration unit reboiler. The "lean" glycol is then recycled.

Hazardous air pollutants (HAP) means any air pollutants listed in or pursuant to section 112(b) of the CAA.

Institutional emergency stationary RICE means an emergency stationary RICE used in institutional establishments such as medical centers, nursing homes, research centers, institutions of higher education, correctional facilities, elementary and secondary schools, libraries, religious establishments, police stations, and fire stations.

ISO standard day conditions means 288 degrees Kelvin (15 degrees Celsius), 60 percent relative humidity and 101.3 kilopascals pressure.

Landfill gas means a gaseous by-product of the land application of municipal refuse typically formed through the anaerobic decomposition of waste materials and composed principally of methane and CO₂.

Lean burn engine means any two-stroke or four-stroke spark ignited engine that does not meet the definition of a rich burn engine.

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

Liquefied petroleum gas means any liquefied hydrocarbon gas obtained as a by-product in petroleum refining of natural gas production.

Liquid fuel means any fuel in liquid form at standard temperature and pressure, including but not limited to diesel, residual/crude oil, kerosene/naphtha (jet fuel), and gasoline.

Major Source, as used in this subpart, shall have the same meaning as in § 63.2, except that:

(1) Emissions from any oil or gas exploration or production well (with its associated equipment (as defined in this section)) and emissions from any pipeline compressor station or pump station shall not be aggregated with emissions from other similar units, to determine whether such emission points or stations are major sources, even when emission points are in a contiguous area or under common control;

(2) For oil and gas production facilities, emissions from processes, operations, or equipment that are not part of the same oil and gas production facility, as defined in § 63.1271 of subpart HHH of this part, shall not be aggregated;

(3) For production field facilities, only HAP emissions from glycol dehydration units, storage vessel with the potential for flash emissions, combustion turbines and reciprocating internal combustion engines shall be aggregated for a major source determination; and

(4) Emissions from processes, operations, and equipment that are not part of the same natural gas transmission and storage facility, as defined in § 63.1271 of subpart HHH of this part, shall not be aggregated.

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.

Natural gas means a naturally occurring mixture of hydrocarbon and non-hydrocarbon gases found in geologic formations beneath the Earth's surface, of which the principal constituent is methane. Natural gas may be field or pipeline quality.

**SECTION D. Source Level Requirements**

Non-selective catalytic reduction (NSCR) means an add-on catalytic nitrogen oxides (NOX) control device for rich burn engines that, in a two-step reaction, promotes the conversion of excess oxygen, NOX, CO, and volatile organic compounds (VOC) into CO₂, nitrogen, and water.

Oil and gas production facility as used in this subpart means any grouping of equipment where hydrocarbon liquids are processed, upgraded (i.e., remove impurities or other constituents to meet contract specifications), or stored prior to the point of custody transfer; or where natural gas is processed, upgraded, or stored prior to entering the natural gas transmission and storage source category. For purposes of a major source determination, facility (including a building, structure, or installation) means oil and natural gas production and processing equipment that is located within the boundaries of an individual surface site as defined in this section. Equipment that is part of a facility will typically be located within close proximity to other equipment located at the same facility. Pieces of production equipment or groupings of equipment located on different oil and gas leases, mineral fee tracts, lease tracts, subsurface or surface unit areas, surface fee tracts, surface lease tracts, or separate surface sites, whether or not connected by a road, waterway, power line or pipeline, shall not be considered part of the same facility. Examples of facilities in the oil and natural gas production source category include, but are not limited to, well sites, satellite tank batteries, central tank batteries, a compressor station that transports natural gas to a natural gas processing plant, and natural gas processing plants.

Oxidation catalyst means an add-on catalytic control device that controls CO and VOC by oxidation.

Peaking unit or engine means any standby engine intended for use during periods of high demand that are not emergencies.

Percent load means the fractional power of an engine compared to its maximum manufacturer's design capacity at engine site conditions. Percent load may range between 0 percent to above 100 percent.

Potential to emit means the maximum capacity of a stationary source to emit a pollutant under its physical and operational design. Any physical or operational limitation on the capacity of the stationary source to emit a pollutant, including air pollution control equipment and restrictions on hours of operation or on the type or amount of material combusted, stored, or processed, shall be treated as part of its design if the limitation or the effect it would have on emissions is federally enforceable. For oil and natural gas production facilities subject to subpart HH of this part, the potential to emit provisions in § 63.760(a) may be used. For natural gas transmission and storage facilities subject to subpart HHH of this part, the maximum annual facility gas throughput for storage facilities may be determined according to § 63.1270(a)(1) and the maximum annual throughput for transmission facilities may be determined according to § 63.1270(a)(2).

Production field facility means those oil and gas production facilities located prior to the point of custody transfer.

Production well means any hole drilled in the earth from which crude oil, condensate, or field natural gas is extracted.

Propane means a colorless gas derived from petroleum and natural gas, with the molecular structure C₃H₈.

Remote stationary RICE means stationary RICE meeting any of the following criteria:

(1) Stationary RICE located in an offshore area that is beyond the line of ordinary low water along that portion of the coast of the United States that is in direct contact with the open seas and beyond the line marking the seaward limit of inland waters.

(2) Stationary RICE located on a pipeline segment that meets both of the criteria in paragraphs (2)(i) and (ii) of this definition.

(i) A pipeline segment with 10 or fewer buildings intended for human occupancy and no buildings with four or more stories within 220 yards (200 meters) on either side of the centerline of any continuous 1-mile (1.6 kilometers) length of pipeline. Each separate dwelling unit in a multiple dwelling unit building is counted as a separate building intended for human occupancy.

(ii) The pipeline segment does not lie within 100 yards (91 meters) of either a building or a small, well-defined outside area (such as a playground, recreation area, outdoor theater, or other place of public assembly) that is occupied by 20 or more persons on at least 5 days a week for 10 weeks in any 12-month period. The days and weeks need not be consecutive. The

**SECTION D. Source Level Requirements**

building or area is considered occupied for a full day if it is occupied for any portion of the day.

(iii) For purposes of this paragraph (2), the term pipeline segment means all parts of those physical facilities through which gas moves in transportation, including but not limited to pipe, valves, and other appurtenance attached to pipe, compressor units, metering stations, regulator stations, delivery stations, holders, and fabricated assemblies. Stationary RICE located within 50 yards (46 meters) of the pipeline segment providing power for equipment on a pipeline segment are part of the pipeline segment. Transportation of gas means the gathering, transmission, or distribution of gas by pipeline, or the storage of gas. A building is intended for human occupancy if its primary use is for a purpose involving the presence of humans.

(3) Stationary RICE that are not located on gas pipelines and that have 5 or fewer buildings intended for human occupancy and no buildings with four or more stories within a 0.25 mile radius around the engine. A building is intended for human occupancy if its primary use is for a purpose involving the presence of humans.

Residential emergency stationary RICE means an emergency stationary RICE used in residential establishments such as homes or apartment buildings.

Responsible official means responsible official as defined in 40 CFR 70.2.

Rich burn engine means any four-stroke spark ignited engine where the manufacturer's recommended operating air/fuel ratio divided by the stoichiometric air/fuel ratio at full load conditions is less than or equal to 1.1. Engines originally manufactured as rich burn engines, but modified prior to December 19, 2002 with passive emission control technology for NOX (such as pre-combustion chambers) will be considered lean burn engines. Also, existing engines where there are no manufacturer's recommendations regarding air/fuel ratio will be considered a rich burn engine if the excess oxygen content of the exhaust at full load conditions is less than or equal to 2 percent.

Site-rated HP means the maximum manufacturer's design capacity at engine site conditions.

Spark ignition means relating to either: A gasoline-fueled engine; or any other type of engine with a spark plug (or other sparking device) and with operating characteristics significantly similar to the theoretical Otto combustion cycle. Spark ignition engines usually use a throttle to regulate intake air flow to control power during normal operation. Dual-fuel engines in which a liquid fuel (typically diesel fuel) is used for CI and gaseous fuel (typically natural gas) is used as the primary fuel at an annual average ratio of less than 2 parts diesel fuel to 100 parts total fuel on an energy equivalent basis are spark ignition engines.

Stationary reciprocating internal combustion engine (RICE) means any reciprocating internal combustion engine which uses reciprocating motion to convert heat energy into mechanical work and which is not mobile. Stationary RICE differ from mobile RICE in that a stationary RICE is not a non-road engine as defined at 40 CFR 1068.30, and is not used to propel a motor vehicle or a vehicle used solely for competition.

Stationary RICE test cell/stand means an engine test cell/stand, as defined in subpart PPPPP of this part, that tests stationary RICE.

Stoichiometric means the theoretical air-to-fuel ratio required for complete combustion.

Storage vessel with the potential for flash emissions means any storage vessel that contains a hydrocarbon liquid with a stock tank gas-to-oil ratio equal to or greater than 0.31 cubic meters per liter and an American Petroleum Institute gravity equal to or greater than 40 degrees and an actual annual average hydrocarbon liquid throughput equal to or greater than 79,500 liters per day. Flash emissions occur when dissolved hydrocarbons in the fluid evolve from solution when the fluid pressure is reduced.

Subpart means 40 CFR part 63, subpart ZZZZ.

Surface site means any combination of one or more graded pad sites, gravel pad sites, foundations, platforms, or the immediate physical location upon which equipment is physically affixed.

**SECTION D. Source Level Requirements**

Two-stroke engine means a type of engine which completes the power cycle in single crankshaft revolution by combining the intake and compression operations into one stroke and the power and exhaust operations into a second stroke. This system requires auxiliary scavenging and inherently runs lean of stoichiometric.

[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]

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

**SECTION D. Source Level Requirements**

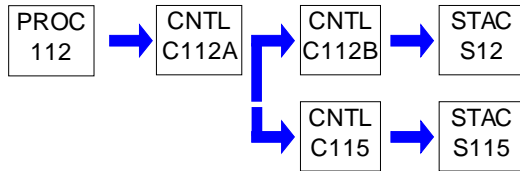
Source ID: 112

Source Name: SYSTEM 7 (SAWING & VALUE ADDED)

Source Capacity/Throughput:

N/A

Conditions for this source occur in the following groups: CYCLONE BAGHOUSE CAM PLAN

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

001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[Plan Approval 42-158P]

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

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. *****

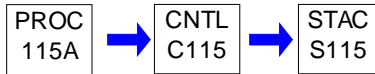
**SECTION D. Source Level Requirements**

Source ID: 115A

Source Name: BOARD BREAKER

Source Capacity/Throughput:

Conditions for this source occur in the following groups: BAGHOUSE CAM PLAN

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

[Plan Approval 42-158P]

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

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 within 6 months of issuance of this plan approval and every three 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.

(c) Pursuant to 25 Pa. Code § 139.53(a)(3), 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. The test protocol shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.

(d) The emission tests of the above sources shall be performed in accordance with the provisions of Chapter 139 to determine compliance with the respective emissions limits in this condition. The stack tests shall be performed while the aforementioned sources are operating within 10% of the maximum rated capacity as stated on the application. The stack tests shall be performed in accordance with the Department approved methods.

(e) Pursuant to 25 Pa. Code § 139.53(a)(3) at least 15 calendar days prior to commencing an emission testing program, notification as to the date and time of testing shall be given to the appropriate Regional Office. Notification shall also be sent to the Division of Source Testing and Monitoring. Notification shall not be made without prior receipt of a protocol acceptance letter from the Department.

(f) Pursuant to 25 Pa. Code Section § 139.53(a)(3) within 15 calendar days after completion of the on-site testing portion of an emission test program, if a complete test report has not yet been submitted, an electronic mail notification shall be sent to the Department's Division of Source Testing and Monitoring indicating the completion date of the on-site testing.

(g) Pursuant to 40 CFR Part 63.7(g) A complete test report shall be submitted to the Department no later than 60 calendar days after completion of the on-site testing portion of an emission test program.

(h) Pursuant to 25 Pa. Code Section § 139.53(b) a complete test report shall include a summary of the emission results on the first page of the report indicating if each pollutant measured is within permitted limits and a statement of compliance or non-compliance with all applicable permit conditions. The summary results will include, at a minimum, the following information:

1. A statement that the owner or operator has reviewed the report from the emissions testing body and agrees with the

**SECTION D. Source Level Requirements**

findings.

2. Permit number(s) and condition(s) which are the basis for the evaluation.
3. Summary of results with respect to each applicable plan approval condition.
4. Statement of compliance or non-compliance with each applicable plan approval condition.

(i) 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.

(j) All testing shall be performed in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection.

(k) Pursuant to 25 Pa. Code §§ 139.53(a)(1) and 139.53(a)(3), the Department requires one paper copy plus one electronic copy of all source test submissions (notifications, protocols, reports, supplemental information, etc.) to be sent to both the AQ Program Manager for the pertinent regional office and the PSIMS Administrator in Central Office (mail and email addresses are provided below). Do not send submissions to anyone else, except the U.S. EPA, unless specifically directed to do so. To minimize the potential for rescheduling of the test, all protocols must be received at least 90 days prior to testing. Test reports must be received no later than 60 days after the completion of testing, unless a more stringent regulatory requirement applies. Any questions or concerns about source testing submissions can be sent to RA-EPstacktesting@pa.gov and the PSIMS Administrator will address them.

Paper Copies shall be submitted to the following:

Central Office
 Pennsylvania Department of Environmental Protection
 Attn: PSIMS Administrator
 P.O. Box 8468
 Harrisburg, PA 17105-8468

Northwest Region
 Pennsylvania Department of Environmental Protection
 Attn: Air Quality Program Manager
 230 Chestnut Street
 Meadville, PA 16335

Electronic copies shall be emailed to the following:

Central Office
 RA-EPstacktesting@pa.gov

Northwest Region
 RA-EPNWstacktesting@pa.gov

(l) The permittee shall insure 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.

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).



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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**

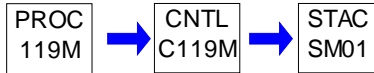
Source ID: 119M

Source Name: MDF CHIP STORAGE

Source Capacity/Throughput:

N/A

Conditions for this source occur in the following groups: BAGHOUSE CAM PLAN

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

001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[Plan Approval 42-158P]

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

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**

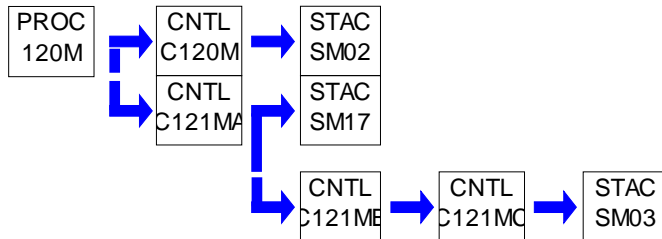
Source ID: 120M

Source Name: MDF REFINER

Source Capacity/Throughput:

N/A

Conditions for this source occur in the following groups: PAL 42-158Q
 RACT II FOR DRYER SYSTEMS
 SM03

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

[Plan Approval 42-158P]

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

(a) PM 2.0 lbs/hr

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

[Plan Approval 42-158R]

(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

[Plan Approval 42-158R]

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

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

[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
3. PM2.5: 0.05 tpy based on a consecutive 12-month period
4. Not applicable



SECTION D. Source Level Requirements

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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**

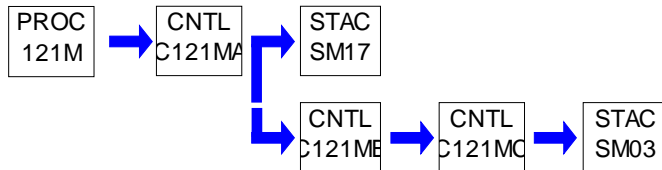
Source ID: 121M

Source Name: MDF FIRST STAGE WESTEC FIBER DRYER

Source Capacity/Throughput:

N/A

Conditions for this source occur in the following groups: PAL 42-158Q
 RACT II FOR DRYER SYSTEMS
 SM03

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

[Plan Approval 42-158R]

(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

[Plan Approval 42-158R]

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

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.**# 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]

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) When the drying process is operating with the RTO, the combustion chamber operating temperature shall not fall below 1500°F, 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.

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**

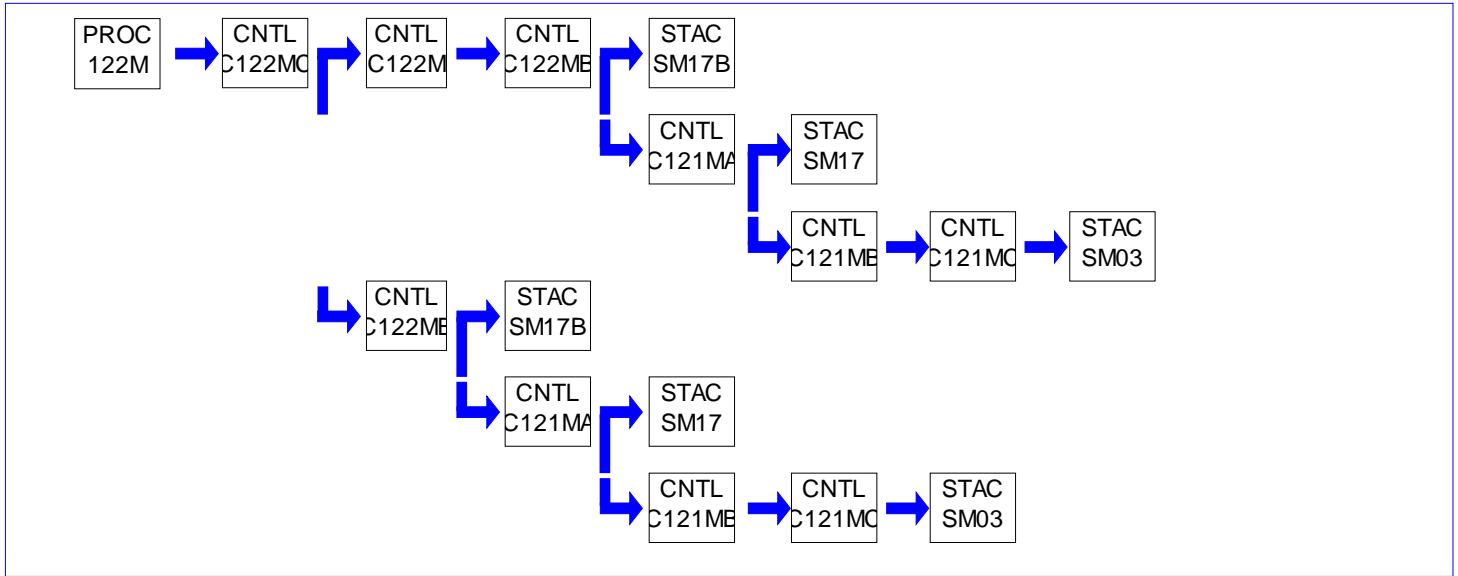
Source ID: 122M

Source Name: MDF SECOND STAGE FIBER DRYER

Source Capacity/Throughput:

N/A

Conditions for this source occur in the following groups: CYCLONE BAGHOUSE CAM PLAN
 PAL 42-158Q
 RACT II FOR DRYER SYSTEMS
 SM03

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

[Plan Approval 42-158R]

(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

[Plan Approval 42-158R]

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

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

II. TESTING REQUIREMENTS.

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

**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 (SM17A) has been used:

- i. Date the emergency abort gate was used;
- ii. The reason for the use of the emergency abort gate;
- iii. The duration of the emergency abort stack usage;
- iv. The flow rate sent to the emergency abort stack;
- v. The amount of pollutants emitted during the usage.

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:

- i. Date the emergency abort gate (SM17A) was used;
- ii. The reason for the use of the emergency abort gate;
- iii. The duration of the emergency abort stack usage;
- iv. The flow rate sent to the emergency abort stack;
- v. The amount of pollutants emitted during the usage.

VI. WORK PRACTICE REQUIREMENTS.

004 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The emergency abort gate (SM17A) shall only be used during an emergency and/or startup, shutdown and malfunction.

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**

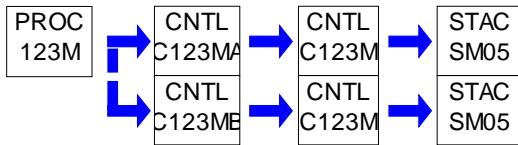
Source ID: 123M

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

Source Capacity/Throughput:

N/A

Conditions for this source occur in the following groups: CYCLONE BAGHOUSE CAM PLAN
RACT II

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

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

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

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

[Plan Approval 42-158R]

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

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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.****# 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**

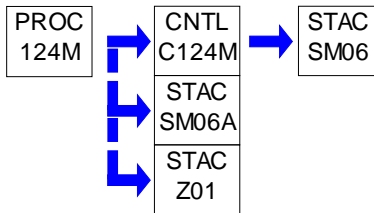
Source ID: 124M

Source Name: MDF PRESS & UNLOADER

Source Capacity/Throughput:

N/A

Conditions for this source occur in the following groups: PAL 42-158Q
 RACT II FOR SOURCE 124M

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

[Plan Approval 42-158R]

The fugitive emissions shall not exceed the following:

1. VOC: 2.87 tpy based on a 12-month rolling total
2. FPM: 1.8 tpy based on a 12-month rolling total
3. PM10: 1.21 tpy based on a 12-month rolling total
4. PM2.5: 1.21 tpy based on a 12-month rolling total

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

[Plan Approval 42-158P]

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

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

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

[Plan Approval 42-158P]

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

PM 3.04 lbs/hr
 PM-10 13.30 tons/year as a twelve-month rolling total
 VOC 6.93 lbs/hr and 30.36 tons/year as a twelve-month rolling total
 CO 1.11 lbs/hr and 4.84 tons/year as a twelve-month rolling total

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

**SECTION D. Source Level Requirements**

exceed 0.1 ton per year, calculated as a 12-month rolling total.

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 within 6 months of issuance of this plan approval and every three 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.

(c) Pursuant to 25 Pa. Code § 139.53(a)(3), 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. The test protocol shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.

(d) The emission tests of the above sources shall be performed in accordance with the provisions of Chapter 139 to determine compliance with the respective emissions limits in this condition. The stack tests shall be performed while the aforementioned sources are operating within 10% of the maximum rated capacity as stated on the application. The stack tests shall be performed in accordance with the Department approved methods.

(e) Pursuant to 25 Pa. Code § 139.53(a)(3) at least 15 calendar days prior to commencing an emission testing program, notification as to the date and time of testing shall be given to the appropriate Regional Office. Notification shall also be sent to the Division of Source Testing and Monitoring. Notification shall not be made without prior receipt of a protocol acceptance letter from the Department.

(f) Pursuant to 25 Pa. Code Section § 139.53(a)(3) within 15 calendar days after completion of the on-site testing portion of an emission test program, if a complete test report has not yet been submitted, an electronic mail notification shall be sent to the Department's Division of Source Testing and Monitoring indicating the completion date of the on-site testing.

(g) Pursuant to 40 CFR Part 63.7(g) A complete test report shall be submitted to the Department no later than 60 calendar days after completion of the on-site testing portion of an emission test program.

(h) Pursuant to 25 Pa. Code Section § 139.53(b) a complete test report shall include a summary of the emission results on the first page of the report indicating if each pollutant measured is within permitted limits and a statement of compliance or non-compliance with all applicable permit conditions. The summary results will include, at a minimum, the following information:

1. A statement that the owner or operator has reviewed the report from the emissions testing body and agrees with the findings.
2. Permit number(s) and condition(s) which are the basis for the evaluation.
3. Summary of results with respect to each applicable plan approval condition.
4. Statement of compliance or non-compliance with each applicable plan approval condition.

(i) 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.

(j) All testing shall be performed in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection.

(k) Pursuant to 25 Pa. Code §§ 139.53(a)(1) and 139.53(a)(3), the Department requires one paper copy plus one electronic copy of all source test submissions (notifications, protocols, reports, supplemental information, etc.) to be sent to both the AQ Program Manager for the pertinent regional office and the PSIMS Administrator in Central Office (mail and email

**SECTION D. Source Level Requirements**

addresses are provided below). Do not send submissions to anyone else, except the U.S. EPA, unless specifically directed to do so. To minimize the potential for rescheduling of the test, all protocols must be received at least 90 days prior to testing. Test reports must be received no later than 60 days after the completion of testing, unless a more stringent regulatory requirement applies. Any questions or concerns about source testing submissions can be sent to RA-EPstacktesting@pa.gov and the PSIMS Administrator will address them.

Paper Copies shall be submitted to the following:

Central Office
 Pennsylvania Department of Environmental Protection
 Attn: PSIMS Administrator
 P.O. Box 8468
 Harrisburg, PA 17105-8468

Northwest Region
 Pennsylvania Department of Environmental Protection
 Attn: Air Quality Program Manager
 230 Chestnut Street
 Meadville, PA 16335

Electronic copies shall be emailed to the following:

Central Office
 RA-EPstacktesting@pa.gov

Northwest Region
 RA-EPNWstacktesting@pa.gov

(I) The permittee shall insure 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.

III. MONITORING REQUIREMENTS.

006 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

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

IV. RECORDKEEPING REQUIREMENTS.

007 [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:

- i. Date the emergency abort gate was used;
- ii. The reason for the use of the emergency abort gate;
- iii. The duration of the emergency abort stack usage;
- iv. The flow rate sent to the emergency abort stack.

008 [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

**SECTION D. Source Level Requirements**

compliance with the emission limits of this Plan Approval.

V. REPORTING REQUIREMENTS.**# 009 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

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

- i. Date the emergency abort gate (SM06A) was used;
- ii. The reason for the use of the emergency abort gate;
- iii. The duration of the emergency abort stack usage;
- iv. The flow rate sent to the emergency abort stack;
- v. The amount of pollutants emitted during the usage.

VI. WORK PRACTICE REQUIREMENTS.**# 010 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

[Plan Approval 42-158P]

- a. The control device associated with this source (C124M) may be operated as a Thermal Catalytic Oxidizer (TCO) or as a Regenerative Thermal Oxidizer (RTO).
- b. The permittee shall notify the Department in writing, no later than ten (10) days following any switch in mode of operation, from TCO to RTO, or RTO to TCO.
- c. 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.
- d. 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 thirty (30) days prior to the end of the 120-day period.

011 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

[Plan Approval 42-158P]

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

This condition assures compliance with 40 CFR 63.2251.

012 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

(a) When the press/unloader system is operating with the TCO, the combustion chamber operating temperature shall not fall below 800°F, 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

**SECTION D. Source Level Requirements**

temperature.

(b) 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.

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

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**

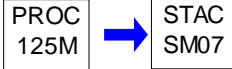
Source ID: 125M

Source Name: MDF BOARD COOLER

Source Capacity/Throughput:

N/A

Conditions for this source occur in the following groups: RACT II

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

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

Emissions from the Press Operations-Board Cooler

(a) PM 1.31 lbs/hr

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

[Plan Approval 42-158R]

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

1. FPM: 1.05 tpy based on a consecutive 12-month period
2. PM10: 2.78 tpy based on a consecutive 12-month period
3. PM2.5: 2.23 tpy based on a consecutive 12-month period
4. VOC: 0.61 #/hr
5. VOC: 2.65 tpy based on a consecutive 12-month period

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 within 6 months of issuance of this plan approval and every three 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.

(c) Pursuant to 25 Pa. Code § 139.53(a)(3), 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. The test protocol shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.

(d) The emission tests of the above sources shall be performed in accordance with the provisions of Chapter 139 to determine compliance with the respective emissions limits in this condition. The stack tests shall be performed while the aforementioned sources are operating within 10% of the maximum rated capacity as stated on the application. The stack tests shall be performed in accordance with the Department approved methods.

**SECTION D. Source Level Requirements**

(e) Pursuant to 25 Pa. Code § 139.53(a)(3) at least 15 calendar days prior to commencing an emission testing program, notification as to the date and time of testing shall be given to the appropriate Regional Office. Notification shall also be sent to the Division of Source Testing and Monitoring. Notification shall not be made without prior receipt of a protocol acceptance letter from the Department.

(f) Pursuant to 25 Pa. Code Section § 139.53(a)(3) within 15 calendar days after completion of the on-site testing portion of an emission test program, if a complete test report has not yet been submitted, an electronic mail notification shall be sent to the Department's Division of Source Testing and Monitoring indicating the completion date of the on-site testing.

(g) Pursuant to 40 CFR Part 63.7(g) A complete test report shall be submitted to the Department no later than 60 calendar days after completion of the on-site testing portion of an emission test program.

(h) Pursuant to 25 Pa. Code Section § 139.53(b) a complete test report shall include a summary of the emission results on the first page of the report indicating if each pollutant measured is within permitted limits and a statement of compliance or non-compliance with all applicable permit conditions. The summary results will include, at a minimum, the following information:

1. A statement that the owner or operator has reviewed the report from the emissions testing body and agrees with the findings.
2. Permit number(s) and condition(s) which are the basis for the evaluation.
3. Summary of results with respect to each applicable plan approval condition.
4. Statement of compliance or non-compliance with each applicable plan approval condition.

(i) 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.

(j) All testing shall be performed in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection.

(k) Pursuant to 25 Pa. Code §§ 139.53(a)(1) and 139.53(a)(3), the Department requires one paper copy plus one electronic copy of all source test submissions (notifications, protocols, reports, supplemental information, etc.) to be sent to both the AQ Program Manager for the pertinent regional office and the PSIMS Administrator in Central Office (mail and email addresses are provided below). Do not send submissions to anyone else, except the U.S. EPA, unless specifically directed to do so. To minimize the potential for rescheduling of the test, all protocols must be received at least 90 days prior to testing. Test reports must be received no later than 60 days after the completion of testing, unless a more stringent regulatory requirement applies. Any questions or concerns about source testing submissions can be sent to RA-EPstacktesting@pa.gov and the PSIMS Administrator will address them.

Paper Copies shall be submitted to the following:

Central Office
 Pennsylvania Department of Environmental Protection
 Attn: PSIMS Administrator
 P.O. Box 8468
 Harrisburg, PA 17105-8468

Northwest Region
 Pennsylvania Department of Environmental Protection
 Attn: Air Quality Program Manager
 230 Chestnut Street
 Meadville, PA 16335

Electronic copies shall be emailed to the following:

Central Office
 RA-EPstacktesting@pa.gov

**SECTION D. Source Level Requirements**

Northwest Region
RA-EPNWstacktesting@pa.gov

(I) The permittee shall insure 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.

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**

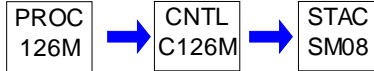
Source ID: 126M

Source Name: MDF SYSTEM 3 - SANDER DUST SILO

Source Capacity/Throughput:

N/A

Conditions for this source occur in the following groups: BAGHOUSE CAM PLAN

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

001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[Plan Approval 42-158P]

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 twelve month rolling total

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**

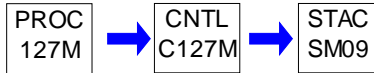
Source ID: 127M

Source Name: MDF SYSTEM 4 - SAW TRIM SILO

Source Capacity/Throughput:

N/A

Conditions for this source occur in the following groups: BAGHOUSE CAM PLAN

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

001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[Plan Approval 42-158P]

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

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.

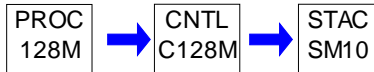
No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

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

SECTION D. Source Level Requirements

Source ID: 128M Source Name: MDF SYSTEM 10 - PRIMARY SANDER
 Source Capacity/Throughput: N/A

Conditions for this source occur in the following groups: BAGHOUSE CAM PLAN
 RACT II

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

001 [25 Pa. Code §127.12b]
Plan approval terms and conditions.
 [Plan Approval 42-158P]

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

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 within 6 months of issuance of this plan approval and every three 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.
- (c) Pursuant to 25 Pa. Code § 139.53(a)(3), 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. The test protocol shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.
- (d) The emission tests of the above sources shall be performed in accordance with the provisions of Chapter 139 to determine compliance with the respective emissions limits in this condition. The stack tests shall be performed while the aforementioned sources are operating within 10% of the maximum rated capacity as stated on the application. The stack tests shall be performed in accordance with the Department approved methods.
- (e) Pursuant to 25 Pa. Code § 139.53(a)(3) at least 15 calendar days prior to commencing an emission testing program, notification as to the date and time of testing shall be given to the appropriate Regional Office. Notification shall also be sent to the Division of Source Testing and Monitoring. Notification shall not be made without prior receipt of a protocol acceptance letter from the Department.
- (f) Pursuant to 25 Pa. Code Section § 139.53(a)(3) within 15 calendar days after completion of the on-site testing portion of an emission test program, if a complete test report has not yet been submitted, an electronic mail notification shall be sent to the Department's Division of Source Testing and Monitoring indicating the completion date of the on-site testing.
- (g) Pursuant to 40 CFR Part 63.7(g) A complete test report shall be submitted to the Department no later than 60 calendar days after completion of the on-site testing portion of an emission test program.
- (h) Pursuant to 25 Pa. Code Section § 139.53(b) a complete test report shall include a summary of the emission results on the first page of the report indicating if each pollutant measured is within permitted limits and a statement of compliance or

**SECTION D. Source Level Requirements**

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 plan approval condition.
4. Statement of compliance or non-compliance with each applicable plan approval condition.

(i) 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.

(j) All testing shall be performed in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection.

(k) Pursuant to 25 Pa. Code §§ 139.53(a)(1) and 139.53(a)(3), the Department requires one paper copy plus one electronic copy of all source test submissions (notifications, protocols, reports, supplemental information, etc.) to be sent to both the AQ Program Manager for the pertinent regional office and the PSIMS Administrator in Central Office (mail and email addresses are provided below). Do not send submissions to anyone else, except the U.S. EPA, unless specifically directed to do so. To minimize the potential for rescheduling of the test, all protocols must be received at least 90 days prior to testing. Test reports must be received no later than 60 days after the completion of testing, unless a more stringent regulatory requirement applies. Any questions or concerns about source testing submissions can be sent to RA-EPstacktesting@pa.gov and the PSIMS Administrator will address them.

Paper Copies shall be submitted to the following:

Central Office
 Pennsylvania Department of Environmental Protection
 Attn: PSIMS Administrator
 P.O. Box 8468
 Harrisburg, PA 17105-8468

Northwest Region
 Pennsylvania Department of Environmental Protection
 Attn: Air Quality Program Manager
 230 Chestnut Street
 Meadville, PA 16335

Electronic copies shall be emailed to the following:

Central Office
 RA-EPstacktesting@pa.gov

Northwest Region
 RA-EPNWstacktesting@pa.gov

(l) The permittee shall insure 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.

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.

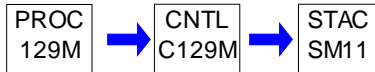
No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

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

SECTION D. Source Level Requirements

Source ID: 129M Source Name: MDF SYSTEM 11 - SECONDARY SANDER
 Source Capacity/Throughput: N/A

Conditions for this source occur in the following groups: BAGHOUSE CAM PLAN
 RACT II

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

001 [25 Pa. Code §127.12b]
Plan approval terms and conditions.
 [Plan Approval 42-158P]

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

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 within 6 months of issuance of this plan approval and every three 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.
- (c) Pursuant to 25 Pa. Code § 139.53(a)(3), 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. The test protocol shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.
- (d) The emission tests of the above sources shall be performed in accordance with the provisions of Chapter 139 to determine compliance with the respective emissions limits in this condition. The stack tests shall be performed while the aforementioned sources are operating within 10% of the maximum rated capacity as stated on the application. The stack tests shall be performed in accordance with the Department approved methods.
- (e) Pursuant to 25 Pa. Code § 139.53(a)(3) at least 15 calendar days prior to commencing an emission testing program, notification as to the date and time of testing shall be given to the appropriate Regional Office. Notification shall also be sent to the Division of Source Testing and Monitoring. Notification shall not be made without prior receipt of a protocol acceptance letter from the Department.
- (f) Pursuant to 25 Pa. Code Section § 139.53(a)(3) within 15 calendar days after completion of the on-site testing portion of an emission test program, if a complete test report has not yet been submitted, an electronic mail notification shall be sent to the Department's Division of Source Testing and Monitoring indicating the completion date of the on-site testing.
- (g) Pursuant to 40 CFR Part 63.7(g) A complete test report shall be submitted to the Department no later than 60 calendar days after completion of the on-site testing portion of an emission test program.
- (h) Pursuant to 25 Pa. Code Section § 139.53(b) a complete test report shall include a summary of the emission results on the first page of the report indicating if each pollutant measured is within permitted limits and a statement of compliance or

SECTION D. Source Level Requirements

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 plan approval condition.
4. Statement of compliance or non-compliance with each applicable plan approval condition.

(i) 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.

(j) All testing shall be performed in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection.

(k) Pursuant to 25 Pa. Code §§ 139.53(a)(1) and 139.53(a)(3), the Department requires one paper copy plus one electronic copy of all source test submissions (notifications, protocols, reports, supplemental information, etc.) to be sent to both the AQ Program Manager for the pertinent regional office and the PSIMS Administrator in Central Office (mail and email addresses are provided below). Do not send submissions to anyone else, except the U.S. EPA, unless specifically directed to do so. To minimize the potential for rescheduling of the test, all protocols must be received at least 90 days prior to testing. Test reports must be received no later than 60 days after the completion of testing, unless a more stringent regulatory requirement applies. Any questions or concerns about source testing submissions can be sent to RA-EPstacktesting@pa.gov and the PSIMS Administrator will address them.

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(l) The permittee shall insure 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.

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**

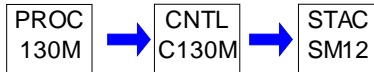
Source ID: 130M

Source Name: MDF SYSTEM 9 - SAWS

Source Capacity/Throughput:

N/A

Conditions for this source occur in the following groups: BAGHOUSE CAM PLAN
RACT II

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

[Plan Approval 42-158P]

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

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

[Plan Approval 42-158R]

The VOC emissions shall not exceed 0.7 tpy based on a consecutive 12-month period from stack SM12. Compliance with this limit will be determined using OTM-26 or another Department approved method.

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 within 6 months of issuance of this plan approval and every three 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.

(c) Pursuant to 25 Pa. Code § 139.53(a)(3), 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. The test protocol shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.

(d) The emission tests of the above sources shall be performed in accordance with the provisions of Chapter 139 to determine compliance with the respective emissions limits in this condition. The stack tests shall be performed while the aforementioned sources are operating within 10% of the maximum rated capacity as stated on the application. The stack tests shall be performed in accordance with the Department approved methods.

(e) Pursuant to 25 Pa. Code § 139.53(a)(3) at least 15 calendar days prior to commencing an emission testing program, notification as to the date and time of testing shall be given to the appropriate Regional Office. Notification shall also be sent to the Division of Source Testing and Monitoring. Notification shall not be made without prior receipt of a protocol acceptance letter from the Department.

(f) Pursuant to 25 Pa. Code Section § 139.53(a)(3) within 15 calendar days after completion of the on-site testing portion of an emission test program, if a complete test report has not yet been submitted, an electronic mail notification shall be sent to the Department's Division of Source Testing and Monitoring indicating the completion date of the on-site testing.

**SECTION D. Source Level Requirements**

(g) Pursuant to 40 CFR Part 63.7(g) A complete test report shall be submitted to the Department no later than 60 calendar days after completion of the on-site testing portion of an emission test program.

(h) Pursuant to 25 Pa. Code Section § 139.53(b) a complete test report shall include a summary of the emission results on the first page of the report indicating if each pollutant measured is within permitted limits and a statement of compliance or non-compliance with all applicable permit conditions. The summary results will include, at a minimum, the following information:

1. A statement that the owner or operator has reviewed the report from the emissions testing body and agrees with the findings.
2. Permit number(s) and condition(s) which are the basis for the evaluation.
3. Summary of results with respect to each applicable plan approval condition.
4. Statement of compliance or non-compliance with each applicable plan approval condition.

(i) 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.

(j) All testing shall be performed in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection.

(k) Pursuant to 25 Pa. Code §§ 139.53(a)(1) and 139.53(a)(3), the Department requires one paper copy plus one electronic copy of all source test submissions (notifications, protocols, reports, supplemental information, etc.) to be sent to both the AQ Program Manager for the pertinent regional office and the PSIMS Administrator in Central Office (mail and email addresses are provided below). Do not send submissions to anyone else, except the U.S. EPA, unless specifically directed to do so. To minimize the potential for rescheduling of the test, all protocols must be received at least 90 days prior to testing. Test reports must be received no later than 60 days after the completion of testing, unless a more stringent regulatory requirement applies. Any questions or concerns about source testing submissions can be sent to RA-EPstacktesting@pa.gov and the PSIMS Administrator will address them.

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(l) The permittee shall insure 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.



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.

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. *****

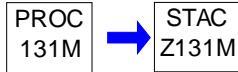
SECTION D. Source Level Requirements

Source ID: 131M

Source Name: MDF RAW MATERIAL STORAGE TANKS

Source Capacity/Throughput:

Conditions for this source occur in the following groups: RACT II

**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).

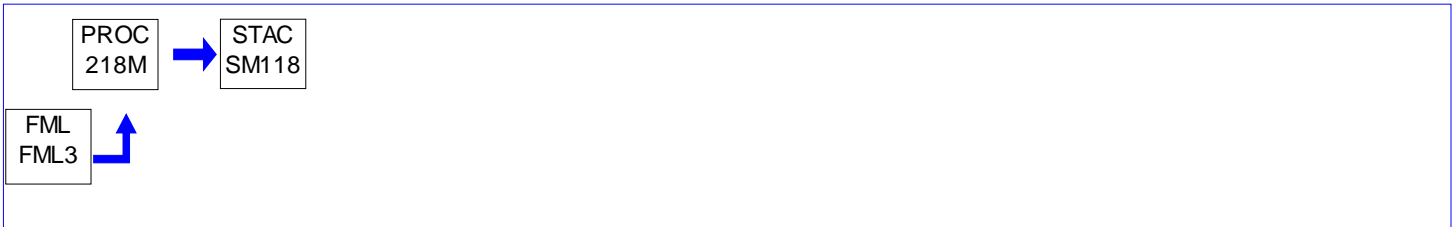
***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 218M

Source Name: LOG CHIPPER WITH ENGINE

Source Capacity/Throughput:

Conditions for this source occur in the following groups: PAL 42-158Q
RACT II**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:

CO 1.0 g/hp-hr

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

PM0.4 gms/bhp-hr.

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 three (3) minutes in any one (1) hour; and

B. Equal to or greater than 60% at any time.

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

[Plan Approval 42-158R]

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

[Plan Approval 42-158R]

(b) The NO_x 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)

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).

Operation Hours Restriction(s).**# 005 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

[Plan Approval 42-158R]

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

**SECTION D. Source Level Requirements**

1. The 1000 bhp engine: 768 hr/yr based on a consecutive 12-month period
2. The 1050 bhp engine: 731 hr/yr based on a consecutive 12-month period

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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.

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

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;
- c. operated and maintained in accordance with the manufacturer's specifications.

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: 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 (1) - (4) of this permit condition is also derived from 40 CFR §64.6 & §64.3]

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

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

- (1) Pressure drop across the baghouse
- (2) Visual inspections of the baghouse

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

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

- (1) Pressure gauges to measure the pressure drop across the baghouse.
- (2) Method 22 like visual observation. If any emissions are detected by a Method 22-like procedure, a Method 9 test shall be performed immediately. If a Method 9 certified observer is not available at the time emissions are detected by the Method 22-like procedure, 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 immediately, the rationale for testing at a later time shall be documented and these records kept for a period of five years. The Department shall be notified, in writing, of any such occurrence immediately.

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

(a) The approved frequency is pressure drop across the baghouse measured at least once per 24-hour period when in operation.

(b) The approved frequency is Method 22 like visual observation at least once per 24-hour period when in operation and Method 9 if emissions are detected by Method 22 like visual observation.

SECTION E. Source Group Restrictions.

(4) 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.

(a) The approved period and indicators are:

(1) Pressure drop across the baghouse recorded at least once per 24-hour when in operation.

(2) Method 22 like visual observations at least once per 24-hour period when in operation and Method 9 if emissions are detected by Method 22 like visual observation.

[From Plan Approval Number 42-158I, Section E, Baghouse CAM Plan Group, Condition #001.]

IV. RECORDKEEPING REQUIREMENTS.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The following are CAM related requirements.

[Additional authority for parts (1) - (4) of this permit condition is also derived from 40 CFR §64.9]

(1) The permittee shall record at least once per 24-hour period the approved indicator(s) using approved data collecting device(s).

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

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

(2) 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.

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

(4) 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 (5) of this permit condition is also derived from 40 CFR §70.6(a)(3)(ii)(B)]

(5) The permittee shall keep all records for a period of five (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 (1) of this permit condition is also derived from 40 CFR §64.9 & §70.6(a)(3)(iii)(A)]

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

[Additional authority for part (2) of this permit condition is also derived from 40 CFR §64.9]

(2) 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 six (6) months.

**SECTION E. Source Group Restrictions.**

[From Plan Approval Number 42-1581, 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 (1) of this permit condition is also derived from 40 CFR §64.3 & §64.6]

(1) 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.

(a) 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 (2) - (4) of the following permit conditions are also derived from 40 CFR §64.3]

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

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

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

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

(1) 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 known accuracy.

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

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

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

(4) 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]

(5) The permittee shall submit an implementation plan and schedule if the approved monitoring requires the installation,

**SECTION E. Source Group Restrictions.**

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.

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

Quality Improvement Plan Requirements

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

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

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

(2) 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.

(3) 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.

(4) 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:

(a) Improved preventive maintenance practices

(b) Process operation changes

(c) Appropriate improvements to control methods

(d) Other steps appropriate to correct performance.

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

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

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

(6) 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.]

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: CYCLONE BAGHOUSE CAM PLAN

Group Description: CAM requirements for affected sources with cyclone followed by a baghouse

Sources included in this group

ID	Name
112	SYSTEM 7 (SAWING & VALUE ADDED)
122M	MDF SECOND STAGE FIBER DRYER
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 (1) - (4) of this permit condition is also derived from 40 CFR §64.6 & §64.3]

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

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

- (1) Pressure drop across the baghouse
- (2) Visual inspections of the baghouse

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

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

- (1) Pressure gauges to measure the pressure drop across the baghouse.
- (2) Method 22 like visual observation. If any emissions are detected by a Method 22-like procedure, a Method 9 test shall be performed immediately. If a Method 9 certified observer is not available at the time emissions are detected by the Method 22-like procedure, 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 immediately, the rationale for testing at a later time shall be documented and these records kept for a period of five years. The Department shall be notified, in writing, of any such occurrence immediately.

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

(a) The approved frequency is pressure drop across the baghouse measured at least once per 24-hour period when in operation.

(b) The approved frequency is Method 22 like visual observation at least once per 24-hour period when in operation and Method 9 if emissions are detected by Method 22 like visual observation.

(4) 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.

(a) The approved period and indicators are:

**SECTION E. Source Group Restrictions.**

- (1) Pressure drop across the baghouse recorded at least once per 24-hour when in operation.
- (2) Method 22 like visual observations at least once per 24-hour period when in operation and Method 9 if emissions are detected by Method 22 like visual observation.

[From Plan Approval Number 42-158I, Section E, Cyclone Baghouse CAM Plan Group, Condition #001.]

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

The following are CAM related requirements.

[Additional authority for parts (1) - (4) of this permit condition is also derived from 40 CFR §64.9]

(1) The permittee shall record at least once per 24-hour period the approved indicator(s) using approved data collecting device(s).

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

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

(2) 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.

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

(4) 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 (5) of this permit condition is also derived from 40 CFR §70.6(a)(3)(ii)(B)]

(5) The permittee shall keep all records for a period of five (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.**

The following are CAM related requirements.

[Additional authority for part (1) of this permit condition is also derived from 40 CFR §64.9 & §70.6(a)(3)(iii)(A)]

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

[Additional authority for part (2) of this permit condition is also derived from 40 CFR §64.9]

(2) 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 six (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 (1) of this permit condition is also derived from 40 CFR §64.3 & §64.6]

(1) 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.

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

Baghouse	delta P range
System 7 Value Added	0.1-4 inches water
System 6,7,8	0.1-4 inches water
2nd Stage Dryer Baghouse	0.1-4 inches water

[Additional authority for parts (2) - (4) of the following permit conditions are also derived from 40 CFR §64.3]

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

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

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

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

(1) 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 known accuracy.

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

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

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

(4) 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]

(5) 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.

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

Quality Improvement Plan Requirements

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

SECTION E. Source Group Restrictions.

- (a) Six excursions occur in a six-month reporting period.
- (b) The Department determines after review of all reported information that the permittee has not responded acceptably to an excursion.
- (2) 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.
- (3) 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.
- (4) 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:
 - (a) Improved preventive maintenance practices
 - (b) Process operation changes
 - (c) Appropriate improvements to control methods
 - (d) Other steps appropriate to correct performance.
- (5) Following implementation of a QIP, the Department will require reasonable revisions to the QIP if the plan has failed to either:
 - (a) Address the cause of the control device performance problem.
 - (b) Provide adequate procedures for correcting control device performance problems in as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.
- (6) 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 42-158], 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: 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.

[Plan Approval 42-158Q] [25 PA Code 127.218(g)(i) & 40 CFR 52.21(aa)(7)(i)]

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.

II. TESTING REQUIREMENTS.

002 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[Plan Approval 42-158]

(a) The owner or operator of the facility shall perform NOx emissions tests within 6 months of issuance of the revised PAL permit and every three years thereafter for the MDF Fiber Dryer RTO exhaust and the MDF Press / Unloader TCO exhaust to determine a site-specific emission factor.

[Plan Approval 42-158]

(b) Pursuant to 25 Pa. Code § 139.53(a)(3), 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. The test protocol shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.

1. The emissions tests shall be performed in accordance with the provisions of 25 Pa Code Chapter 139 and all requirements of the protocol review approval issued by the Department. The stack test shall be performed while the affected sources are operating within 10% of the maximum rated capacity. The stack test shall be performed in accordance with the Department's approved methods.

2. Pursuant to 25 Pa. Code § 139.53(a)(3) at least 15 calendar days prior to commencing an emission testing program, notification as to the date and time of testing shall be given to the appropriate Regional Office. Notification shall also be sent to the Division of Source Testing and Monitoring. Notification shall not be made without prior receipt of a protocol acceptance letter from the Department.

3. Pursuant to 25 Pa. Code Section § 139.53(a)(3) within 15 calendar days after completion of the on-site testing portion of an emission test program, if a complete test report has not yet been submitted, an electronic mail notification shall be sent to the Department's Division of Source Testing and Monitoring indicating the completion date of the on-site testing.

**SECTION E. Source Group Restrictions.**

4. A complete test report shall be submitted to the Department no later than 60 calendar days after completion of the on-site testing portion of an emission test program.
5. Pursuant to 25 Pa. Code Section § 139.53(b) a complete test report shall include a summary of the emission results on the first page of the report indicating if each pollutant measured is within permitted limits and a statement of compliance or non-compliance with all applicable permit conditions. The summary results will include, at a minimum, the following information:
 - (a) A statement that the owner or operator has reviewed the report from the emissions testing body and agrees with the findings.
 - (b) Permit number(s) and condition(s) which are the basis for the evaluation.
 - (c) Summary of results with respect to each applicable plan approval condition.
 - (d) Statement of compliance or non-compliance with each applicable plan approval condition.
6. 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.
7. All testing shall be performed in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection.
8. Pursuant to 25 Pa. Code Section § 139.53(a)(1) and § 139.53(a)(3) The Department requires one paper copy plus one electronic copy of all source test submissions (notifications, protocols, reports, supplemental information, etc.) to be sent to both the AQ Program Manager for the pertinent regional office and the PSIMS Administrator in Central Office (mail and email addresses are provided below). Do not send submissions to anyone else, except the U.S. EPA, unless specifically directed to do so. To minimize the potential for rescheduling of the test, all protocols must be received at least 90 days prior to testing. Test reports must be received no later than 60 days after the completion of testing, unless a more stringent regulatory requirement applies. Any questions or concerns about source testing submissions can be sent to RA-EPstacktesting@pa.gov and the PSIMS Administrator will address them.

Paper Copies shall be submitted to the following:

Central Office
Pennsylvania Department of Environmental Protection
Attn: PSIMS Administrator
P.O. Box 8468
Harrisburg, PA 17105-8468

Northwest Region
Pennsylvania Department of Environmental Protection
Attn: Air Quality Program Manager
230 Chestnut Street
Meadville, PA 16335

Electronic copies shall be emailed to the following:

Central Office
RA-EPstacktesting@pa.gov

Northwest Region
RA-EPNWstacktesting@pa.gov

9. The permittee shall insure 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

**SECTION E. Source Group Restrictions.**

requirements between state and the federal, the most stringent provision, term, condition, method or rule shall be used.

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

[Plan Approval 42-158Q] [25 PA Code 127.218(g)(6) & (b)(3) & 40 CFR 52.21(aa)(7)(vi) & (3)(iii)]

(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:

1. 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.

[Plan Approval 42-158Q] [25 PA Code 127.218(g)(7) & (m) & 40 CFR 52.21(aa)(7)(vi) & (12)]

(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).

[Plan Approval 42-158Q] [25 PA Code 127.218(m)(2) & (5) & 40 CFR 52.21(aa)(12)(i)(b)]

(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

[Plan Approval 42-158Q] [25 PA Code 127.218(m)(9) & 40 CFR 52.21 (aa)(12)(vi)]

(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.

[Plan Approval 42-158Q] [25 PA Code 127.218(m)(12) & 40 CFR 52.21(aa)(12)(ix)]

(e) Re-validation. All data used to establish the PAL pollutant must be re-validated through performance testing or other

**SECTION E. Source Group Restrictions.**

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.

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

[Plan Approval 42-158Q] [25 PA Code 127.218(g)(8) & (n) & 40 CFR 52.21(aa)(7)(viii) & (13)]

(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(n)(1) & 40 CFR 52.21(aa)(13)(i)]

(b) The owner or operator of the facility shall retain a copy of the records necessary to determine compliance with any 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)(2) & 40 CFR 52.21(aa)(13)(ii)]

(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]

(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

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

[Plan Approval 42-158Q] [25 PA Code 127.218(g)(9) & (o) & 40 CFR 52.21(aa)(7)(ix) & (14)]

(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(o)(1) & 40 CFR 52.21(aa)(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)(2) & 40 CFR 52.21(aa)(14)(i)]

(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

**SECTION E. Source Group Restrictions.**

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.
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)(3) & 40 CFR 52.21(aa)(14)(ii)]

(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)(4) & 40 CFR 52.21(aa)(14)(iii)]

(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.

VI. WORK PRACTICE REQUIREMENTS.

006 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[Plan Approval 42-158I]

(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.

[Plan Approval 42-158I]

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

VII. ADDITIONAL REQUIREMENTS.

007 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[Plan Approval 42-158Q]

(a) No longer applicable.

[Plan Approval 42-158Q]

(b) Any information required to be submitted as part of this plan approval should be submitted to the attention of Regional Air Program Manager, PADEP, Northwest Regional Office, 230 Chestnut Street, Meadville, PA 16335.

[Plan Approval 42-158Q]

**SECTION E. Source Group Restrictions.**

(c) Issuance of an Operating Permit is contingent upon satisfactory compliance with the plan approval conditions, upon the source being installed and operated as stated within the application, and upon satisfactory demonstration that the emissions from the source will not be in violation of applicable Rules and Regulations of the Department.

[Plan Approval 42-158Q] [25 PA Code 127.218(g)(2) & (h) & 40 CFR 52.21(aa)(7)(ii) & (8)(i)]

(d) The PAL is effective from the date of issuance of this plan approval and expires after 10 years from the date of issuance of this approval.

[Plan Approval 42-158Q] [25 PA Code 127.218(g)(3) & (k)(2) & 40 CFR 52.21(aa)(7)(iii) & (10)(ii)]

(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).

[Plan Approval 42-158Q] [25 PA Code 127.218(g)(4) & 40 CFR 52.21(aa)(7)(iv)]

(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)(5) & (j) & 40 CFR 52.21(aa)(7)(v) & (9)]

(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)(10)]

(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(d) & 40 CFR 52.21(aa)(4)(ii)]

(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(i) & 40 CFR 52.21(aa)(8)(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 Department may impose on the major stationary source.

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(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(l) & 40 CFR 52.21(aa)(11)]

(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 127.203(f)(1)]

(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] [40 CFR 52.21(a)(2)(v)]

(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 complies 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.

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

**SECTION E. Source Group Restrictions.**

Group Name: RACT II

Group Description: Requirements of 129.96-129.97 and 129.100 for non case-by-case sources

Sources included in this group

ID	Name
041M	SPACE HEATERS
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
130M	MDF SYSTEM 9 - SAWS
131M	MDF RAW MATERIAL STORAGE TANKS
218M	LOG CHIPPER WITH ENGINE

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.**# 001 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

(a) Not applicable.

(b) Except as provided in § 129.97(k) and § 129.99(i) (relating to alternative RACT proposal and petition for alternative compliance schedule), the owner and operator of an air contamination source subject to subsection (a) shall demonstrate compliance with the applicable RACT requirement or RACT emission limitation in accordance with the procedures in subsection (a) not later than:

(1) January 1, 2017, for a source subject to § 129.96(a) (relating to applicability).

**SECTION E. Source Group Restrictions.**

(2) January 1, 2017, 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 § 129.96(b).

(c) Not applicable.

(d) The owner and operator of an air contamination source subject to this section and §§ 129.96—129.99 shall keep records to demonstrate compliance with §§ 129.96—129.99 in the following manner:

(1) The records must include sufficient data and calculations to demonstrate that the requirements of §§ 129.96—129.99 are met.

(2) Data or information required to determine compliance shall be recorded and maintained in a time frame consistent with the averaging period of the requirement.

(e) - (f) Not applicable.

(g) The owner or operator of a combustion unit subject to § 129.97(b) shall record each adjustment conducted under the procedures in § 129.97(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.

(h) Not applicable.

(i) 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.

002 [25 Pa. Code §129.96]**Applicability**

(a) The NOx requirements of this section and §§ 129.97—129.100 apply Statewide to the owner and operator of a major NOx emitting facility and the VOC requirements of this section and §§ 129.97—129.100 apply Statewide to the owner and operator of a major VOC emitting facility that were in existence on or before July 20, 2012, for which a requirement or emission limitation, or both, has not been established in §§ 129.51—129.52c, 129.54—129.69, 129.71—129.73, 129.75, 129.77, 129.101—129.107 and 129.301—129.310.

(b) The NOx requirements of this section and §§ 129.97—129.100 apply Statewide to the owner and operator of a NOx emitting facility and the VOC requirements of this section and §§ 129.97—129.100 apply Statewide to the owner and operator of a VOC emitting facility when the installation of a new source or a modification or change in operation of an existing source after July 20, 2012, results in the source or facility meeting the definition of a major NOx emitting facility or a major VOC emitting facility and for which a requirement or an emission limitation, or both, has not been established in §§ 129.51—129.52c, 129.54—129.69, 129.71—129.73, 129.75, 129.77, 129.101—129.107 and 129.301—129.310.

(c) This section and §§ 129.97—129.100 do not apply to the owner and operator of a NOx air contamination source located at a major NOx emitting facility that has the potential to emit less than 1 TPY of NOx or a VOC air contamination source located at a major VOC emitting facility that has the potential to emit less than 1 TPY of VOC. [Source 041M has NOx PTE less than 1 TPY; Sources 041M, 042M, C120M, and 218M have VOC PTE less than 1 TPY]

(d) Not applicable.

**SECTION E. Source Group Restrictions.****# 003 [25 Pa. Code §129.97]****Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule.**

(a) The owner and operator of a source listed in one or more of subsections (b)—(h) located at a major NO_x emitting facility or major VOC emitting facility subject to § 129.96 (relating to applicability) shall comply with the applicable presumptive RACT requirement or RACT emission limitation, or both, beginning with the specified compliance date as follows, unless an alternative compliance schedule is submitted and approved under subsections (k)—(m) or § 129.99 (relating to alternative RACT proposal and petition for alternative compliance schedule):

(1) January 1, 2017, for a source subject to § 129.96(a).

(2) January 1, 2017, or 1 year after the date the source meets the definition of a major NO_x emitting facility or major VOC emitting facility, whichever is later, for a source subject to § 129.96(b).

(b) The owner and operator of a source specified in this subsection, which is located at a major NO_x emitting facility or major VOC emitting facility subject to § 129.96 shall comply with the following:

(1) The presumptive RACT requirement for a combustion unit with a rated heat input equal to or greater than 20 million Btu/hour and less than 50 million Btu/hour, which is the performance of a biennial tune-up conducted 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). The biennial tune-up must include, at a minimum, the following [Sources 134M and 135M are subject to this paragraph]:

(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 NO_x 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) Not applicable.

(3) The applicable recordkeeping requirements of § 129.100(d), (e) or (f) (relating to compliance demonstration and recordkeeping requirements).

(c) The owner and operator of a source specified in this subsection, which is located at a major NO_x emitting facility or major VOC emitting facility subject to § 129.96 shall install, maintain and operate the source in accordance with the manufacturer's specifications and with good operating practices:

(1) A NO_x air contamination source that has the potential to emit less than 5 TPY of NO_x. [Source 218M is subject to this paragraph]

(2) A VOC air contamination source that has the potential to emit less than 2.7 TPY of VOC. [Sources 123M, 125M, 128M, 129M, and control C120M are subject to this paragraph]

(3) A boiler or other combustion source with an individual rated gross heat input less than 20 million Btu/hour. [Source 042M is subject to this paragraph]

(4) Not applicable.

(5) Not applicable.

(6) An incinerator, thermal oxidizer or catalytic oxidizer used primarily for air pollution control. [C121MC and C124M are subject to this paragraph]

(7) Not applicable.

**SECTION E. Source Group Restrictions.**

(8) An emergency standby engine operating less than 500 hours in a 12-month rolling period. [Source 051M is subject to this paragraph]

(d) Except as specified under subsection (c), the owner and operator of a combustion unit or other combustion source located at a major VOC emitting facility subject to § 129.96 shall install, maintain and operate the source in accordance with the manufacturer's specifications and with good operating practices for the control of the VOC emissions from the combustion unit or other combustion source.

(e) - (f) Not applicable.

(g) Not applicable.

(h) Not applicable.

(i) The requirements and emission limitations of this section supersede the requirements and emission limitations of a RACT permit issued to the owner or operator of an air contamination source subject to one or more of subsections (b)—(h) prior to April 23, 2016, under §§ 129.91—129.95 (relating to stationary sources of NOx and VOCs) to control, reduce or minimize NOx emissions or VOC emissions, or both, from the air contamination source unless the permit contains more stringent requirements or emission limitations, or both.

(j) Not applicable.

(k) - (m) Not applicable.

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

**SECTION E. Source Group Restrictions.**

Group Name: RACT II FOR DRYER SYSTEMS

Group Description: RACT II 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.**

[Plan Approval 42-158R / RACT II Approval]

(a) For Sources 132M & 133M, comply with existing PAL NOx limit of 171.14 tpy based on a consecutive 12-month period. Conduct stack testing every 3 years as required by operating permit.

[Plan Approval 42-158R / RACT II Approval]

(b) For Sources 120M, 121M, 122M, 132M, 133M, 134M, & 135M, total VOC emissions shall be less than or equal to 12.09 #/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.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

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

[Plan Approval 42-158R / RACT II Approval]

(a) In accordance with §129.100(d), the owner and operator of an air contamination source subject to this section and §§129.96-129.99 shall keep records to demonstrate compliance with §§129.96-129.99.

[Plan Approval 42-158R / RACT II Approval]

(b) In accordance with §129.100(i), 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).

**SECTION E. Source Group Restrictions.****VI. WORK PRACTICE REQUIREMENTS.**

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

VII. ADDITIONAL REQUIREMENTS.

003 [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: RACT II FOR SOURCE 124M

Group Description: RACT II 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. Conduct stack testing every 3 years as required by operating permit.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

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

[Plan Approval 42-158R / RACT II Approval]

(a) In accordance with §129.100(d), the owner and operator of an air contamination source subject to this section and §§129.96-129.99 shall keep records to demonstrate compliance with §§129.96-129.99.

[Plan Approval 42-158R / RACT II Approval]

(b) In accordance with §129.100(i), 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.**# 003 [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

**SECTION E. Source Group Restrictions.**

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: SM03

Group Description: All sources exhausting from SM03

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.**

[Plan Approval 42-158L and revised by 42-158P]

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

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

[Plan Approval 42-158L and revised in 42-158P]

Emissions from the MDF Dryer Abort stack for the WESP through the stack SM17 shall not exceed:

PM 57.81 lbs/hr

PM-10 7.60 tons/year as a twelve-month rolling total

VOC 151.12 lbs/hr and 19.86 tons/year as a twelve-month rolling total

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

[Plan Approval 42-158L]

(a) The owner or operator shall perform CO, VOC, PM and PM-10 emission tests within 6 months of issuance of this plan approval and every three 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

SECTION E. Source Group Restrictions.

emission limit in this plan approval.

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:

- i. Date the emergency abort gate was used;
- ii. The reason for the use of the emergency abort gate;
- iii. The duration of the emergency abort stack usage;
- iv. The flow rate sent to the emergency abort stack;

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:

- i. Date the emergency abort gate (SM17) was used;
- ii. The reason for the use of the emergency abort gate;
- iii. The duration of the emergency abort stack usage;
- iv. The flow rate sent to the emergency abort stack;
- v. The amount of pollutants emitted during the usage.

VI. WORK PRACTICE REQUIREMENTS.**# 006 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

[Plan Approval 42-158L revised by 42-158P]

The MDF Dryer emergency abort gate (SM17) shall only be used during an emergency and/or startup, shutdown or malfunction.

The maximum hours the emergency abort gate (SM17) shall be used for startup and shutdown events is 40 hours per year.

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.

This condition assures compliance with 40 CFR Subpart DDDD 63.2251.

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 F. Alternative Operation Requirements.**

Alternative Operation Name: LOW FIRE OPERATION

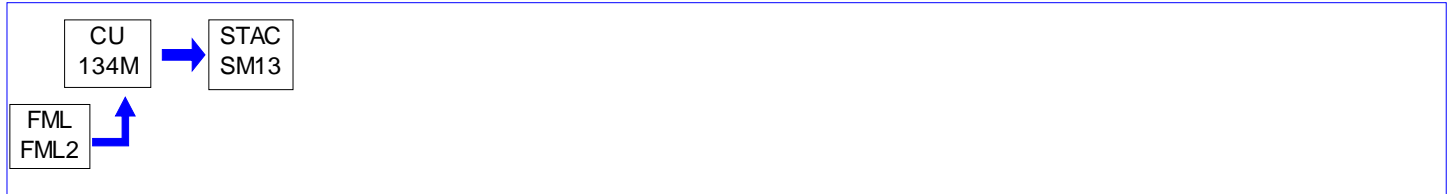
#001 CHANGES FROM NORMAL OPERATION

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

- (1) The rate of 0.4 pound per million Btu of heat input, when the heat input to the combustion unit in millions of Btus per hour is greater than 2.5 but less than 50.
- (2) Not applicable
- (3) Not applicable

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

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

(a) Nonair basin areas. Combustion units in nonair basin areas must conform with the following:

(1) General provision. 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, except as provided for in paragraph (4).

- (2) Not applicable
- (3) Not applicable
- (4) Not applicable

(b) Not applicable

(c) Not applicable

(d) Not applicable

(e) Not applicable

(f) Not applicable

**SECTION F. Alternative Operation Requirements.**

(g) Not applicable

(h) Not applicable

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

[Plan Approval 42-158R]

The permittee shall maintain the following records during Low Fire operating condition:

1. Start (date/time) and end (date/time) of the Low Fire operating condition.
2. The average heat input during the Low Fire operating condition.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

[Plan Approval 42-158R]

No raw material shall be introduced into the dryer system during Low Fire Operation.

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 Descriptor		
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)	CO
	46.370 Lbs/Hr		CO
	200.350 Tons/Yr		CO
	20.000 PPMV	as carbon (dry) for Sources 120M, 121M, 122M, 132M, 133M, 134M, & 135M	Hydrocarbon
	2.320 Tons/Yr	based on a consecutive 12-month period from MDF Dryer Abort Stack (SM17)	NOX
	171.140 Tons/Yr	based on a 12-month rolling total for all PAL Sources	NOX
	171.140 Tons/Yr	based on a consecutive 12-month period for Sources 132M & 133M	NOX
	7.600 Tons/Yr	Abort Stack	PM10
	25.290 Tons/Yr		PM10
	0.180 Tons/Yr	based on a consecutive 12-month period from MDF First Stage Dryer RTO Stack (SM03)	PMDI
	0.014 Tons/Yr	based on a consecutive 12-month period from MDF Dryer Abort Stack (SM17)	SOX
	2.900 Lbs/Hr		SOX
	12.690 Tons/Yr		SOX
	5.780 Lbs/Hr		TSP
	57.810 Lbs/Hr	Abort Stack	TSP
	12.090 Lbs/Hr	For Sources 120M, 121M, 122M, 132M, 133M, 134M, & 135M	VOC
	19.860 Tons/Yr	Abort Stack	VOC
	52.940 Tons/Yr	based on a consecutive 12-month period for Sources 120M, 121M, 122M, 132M, 133M, 134M, & 135M	VOC
	151.120 Lbs/Hr	Abort Stack	VOC
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)	CO
	46.370 Lbs/Hr		CO
	200.350 Tons/Yr		CO
	20.000 PPMV	as carbon (dry) for Sources 120M, 121M, 122M, 132M, 133M, 134M, & 135M	Hydrocarbon
	2.320 Tons/Yr	based on a consecutive 12-month period from MDF Dryer Abort Stack (SM17)	NOX
	171.140 Tons/Yr	based on a 12-month rolling total for all PAL Sources	NOX
	171.140 Tons/Yr	based on a consecutive 12-month period for Sources 132M & 133M	NOX
	7.600 Tons/Yr	Abort Stack	PM10
	25.290 Tons/Yr		PM10
	0.180 Tons/Yr	based on a consecutive 12-month period from MDF First Stage Dryer RTO Stack (SM03)	PMDI

**SECTION G. Emission Restriction Summary.**

Source Id	Source Descriptor		
0.014	Tons/Yr	based on a consecutive 12-month period from MDF Dryer Abort Stack (SM17)	SOX
2.900	Lbs/Hr		SOX
12.690	Tons/Yr		SOX
5.780	Lbs/Hr		TSP
57.810	Lbs/Hr	Abort Stack	TSP
12.090	Lbs/Hr	For Sources 120M, 121M, 122M, 132M, 133M, 134M, & 135M	VOC
19.860	Tons/Yr	Abort Stack	VOC
52.940	Tons/Yr	based on a consecutive 12-month period for Sources 120M, 121M, 122M, 132M, 133M, 134M, & 135M	VOC
151.120	Lbs/Hr	Abort Stack	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)	CO
46.370	Lbs/Hr		CO
200.350	Tons/Yr		CO
20.000	PPMV	as carbon (dry) for Sources 120M, 121M, 122M, 132M, 133M, 134M, & 135M	Hydrocarbon
2.320	Tons/Yr	based on a consecutive 12-month period from MDF Dryer Abort Stack (SM17)	NOX
171.140	Tons/Yr	based on a 12-month rolling total for all PAL Sources	NOX
171.140	Tons/Yr	based on a consecutive 12-month period for Sources 132M & 133M	NOX
7.600	Tons/Yr	Abort Stack	PM10
25.290	Tons/Yr		PM10
0.180	Tons/Yr	based on a consecutive 12-month period from MDF First Stage Dryer RTO Stack (SM03)	PMDI
0.014	Tons/Yr	based on a consecutive 12-month period from MDF Dryer Abort Stack (SM17)	SOX
2.900	Lbs/Hr		SOX
12.690	Tons/Yr		SOX
5.780	Lbs/Hr		TSP
57.810	Lbs/Hr	Abort Stack	TSP
12.090	Lbs/Hr	For Sources 120M, 121M, 122M, 132M, 133M, 134M, & 135M	VOC
19.860	Tons/Yr	Abort Stack	VOC
52.940	Tons/Yr	based on a consecutive 12-month period for Sources 120M, 121M, 122M, 132M, 133M, 134M, & 135M	VOC
151.120	Lbs/Hr	Abort Stack	VOC

**SECTION G. Emission Restriction Summary.**

Source Id	Source Descriptor		
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)	CO
46.370	Lbs/Hr		CO
200.350	Tons/Yr		CO
20.000	PPMV	as carbon (dry) for Sources 120M, 121M, 122M, 132M, 133M, 134M, & 135M	Hydrocarbon
2.320	Tons/Yr	based on a consecutive 12-month period from MDF Dryer Abort Stack (SM17)	NOX
171.140	Tons/Yr	based on a 12-month rolling total for all PAL Sources	NOX
171.140	Tons/Yr	based on a consecutive 12-month period for Sources 132M & 133M	NOX
7.600	Tons/Yr	Abort Stack	PM10
25.290	Tons/Yr		PM10
0.180	Tons/Yr	based on a consecutive 12-month period from MDF First Stage Dryer RTO Stack (SM03)	PMDI
0.014	Tons/Yr	based on a consecutive 12-month period from MDF Dryer Abort Stack (SM17)	SOX
2.900	Lbs/Hr		SOX
12.690	Tons/Yr		SOX
5.780	Lbs/Hr		TSP
57.810	Lbs/Hr	Abort Stack	TSP
12.090	Lbs/Hr	For Sources 120M, 121M, 122M, 132M, 133M, 134M, & 135M	VOC
19.860	Tons/Yr	Abort Stack	VOC
52.940	Tons/Yr	based on a consecutive 12-month period for Sources 120M, 121M, 122M, 132M, 133M, 134M, & 135M	VOC
151.120	Lbs/Hr	Abort Stack	VOC
041M	SPACE HEATERS		
Emission Limit		Pollutant	
171.140	Tons/Yr	based on a 12-month rolling total for all PAL Sources	NOX
500.000	PPMV	dry basis	SOX
0.040	gr/DRY FT3		TSP
042M	PRODUCTION AREA HEATERS		
Emission Limit		Pollutant	
171.140	Tons/Yr	based on a 12-month rolling total for all PAL Sources	NOX
500.000	PPMV	dry basis	SOX
0.040	gr/DRY FT3		TSP
051M	EMERGENCY GENERATORS / EMERGENCY FIRE PUMP		
Emission Limit		Pollutant	
171.140	Tons/Yr	based on a 12-month rolling total for all PAL Sources	NOX

**SECTION G. Emission Restriction Summary.**

Source Id	Source Descriptor		
500.000	PPMV	dry basis	SOX
0.040	Lbs/DRY FT3		TSP
112	SYSTEM 7 (SAWING & VALUE ADDED)		
Emission Limit		Pollutant	
0.420	Tons/Yr		PM10
0.100	Lbs/Hr		TSP
115A	BOARD BREAKER		
Emission Limit		Pollutant	
4.220	Tons/Yr		PM10
0.970	Lbs/Hr		TSP
119M	MDF CHIP STORAGE		
Emission Limit		Pollutant	
1.470	Tons/Yr		PM10
0.340	Lbs/Hr		TSP
120M	MDF REFINER		
Emission Limit		Pollutant	
1.950	Tons/Yr	based on a consecutive 12-month period from MDF Dryer Abort Stack (SM17)	CO
46.370	Lbs/Hr		CO
200.350	Tons/Yr		CO
20.000	PPMV	as carbon (dry) for Sources 120M, 121M, 122M, 132M, 133M, 134M, & 135M	Hydrocarbon
2.320	Tons/Yr	based on a consecutive 12-month period from MDF Dryer Abort Stack (SM17)	NOX
171.140	Tons/Yr	based on a 12-month rolling total for all PAL Sources	NOX
171.140	Tons/Yr	based on a consecutive 12-month period for Sources 132M & 133M	NOX
0.250	Tons/Yr	based on a consecutive 12-month period from MDF Startup Cyclone (C120M) Stack (SM02)	PM10
7.600	Tons/Yr	Abort Stack	PM10
25.290	Tons/Yr		PM10
0.050	Tons/Yr	based on a consecutive 12-month period from MDF Startup Cyclone (C120M) Stack (SM02)	PM2.5
0.180	Tons/Yr	based on a consecutive 12-month period from MDF First Stage Dryer RTO Stack (SM03)	PMDI
0.014	Tons/Yr	based on a consecutive 12-month period from MDF Dryer Abort Stack (SM17)	SOX
2.900	Lbs/Hr		SOX
12.690	Tons/Yr		SOX
0.500	Tons/Yr	based on a consecutive 12-month period	TSP

**SECTION G. Emission Restriction Summary.**

Source Id	Source Descriptor		
		(filterable particulate) from MDF Startup Cyclone (C120M) Stack (SM02)	
2.000	Lbs/Hr	refinery startup SM02	TSP
5.780	Lbs/Hr		TSP
57.810	Lbs/Hr	Abort Stack	TSP
0.150	Tons/Yr	based on a consecutive 12-month period from MDF Startup Cyclone (C120M) Stack (SM02)	VOC
12.090	Lbs/Hr	For Sources 120M, 121M, 122M, 132M, 133M, 134M, & 135M	VOC
19.860	Tons/Yr	Abort Stack	VOC
52.940	Tons/Yr	based on a consecutive 12-month period for Sources 120M, 121M, 122M, 132M, 133M, 134M, & 135M	VOC
151.120	Lbs/Hr	Abort Stack	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)	CO
46.370	Lbs/Hr		CO
200.350	Tons/Yr		CO
20.000	PPMV	as carbon (dry) for Sources 120M, 121M, 122M, 132M, 133M, 134M, & 135M	Hydrocarbon
2.320	Tons/Yr	based on a consecutive 12-month period from MDF Dryer Abort Stack (SM17)	NOX
171.140	Tons/Yr	based on a 12-month rolling total for all PAL Sources	NOX
171.140	Tons/Yr	based on a consecutive 12-month period for Sources 132M & 133M	NOX
7.600	Tons/Yr	Abort Stack	PM10
25.290	Tons/Yr		PM10
0.180	Tons/Yr	based on a consecutive 12-month period from MDF First Stage Dryer RTO Stack (SM03)	PMDI
0.014	Tons/Yr	based on a consecutive 12-month period from MDF Dryer Abort Stack (SM17)	SOX
2.900	Lbs/Hr		SOX
12.690	Tons/Yr		SOX
5.780	Lbs/Hr		TSP
57.810	Lbs/Hr	Abort Stack	TSP
12.090	Lbs/Hr	For Sources 120M, 121M, 122M, 132M, 133M, 134M, & 135M	VOC
19.860	Tons/Yr	Abort Stack	VOC
52.940	Tons/Yr	based on a consecutive 12-month period for Sources 120M, 121M, 122M, 132M, 133M, 134M, & 135M	VOC
151.120	Lbs/Hr	Abort Stack	VOC

SECTION G. Emission Restriction Summary.

Source Id	Source Description		
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)	CO
46.370	Lbs/Hr		CO
200.350	Tons/Yr		CO
20.000	PPMV	as carbon (dry) for Sources 120M, 121M, 122M, 132M, 133M, 134M, & 135M	Hydrocarbon
2.320	Tons/Yr	based on a consecutive 12-month period from MDF Dryer Abort Stack (SM17)	NOX
171.140	Tons/Yr	based on a 12-month rolling total for all PAL Sources	NOX
171.140	Tons/Yr	based on a consecutive 12-month period for Sources 132M & 133M	NOX
7.600	Tons/Yr	Abort Stack	PM10
25.290	Tons/Yr		PM10
0.180	Tons/Yr	based on a consecutive 12-month period from MDF First Stage Dryer RTO Stack (SM03)	PMDI
0.014	Tons/Yr	based on a consecutive 12-month period from MDF Dryer Abort Stack (SM17)	SOX
2.900	Lbs/Hr		SOX
12.690	Tons/Yr		SOX
5.780	Lbs/Hr		TSP
57.810	Lbs/Hr	Abort Stack	TSP
12.090	Lbs/Hr	For Sources 120M, 121M, 122M, 132M, 133M, 134M, & 135M	VOC
19.860	Tons/Yr	Abort Stack	VOC
52.940	Tons/Yr	based on a consecutive 12-month period for Sources 120M, 121M, 122M, 132M, 133M, 134M, & 135M	VOC
151.120	Lbs/Hr	Abort Stack	VOC
123M	MDF SYSTEM 6, 7, & 8 - MAT REJECT		
Emission Limit		Pollutant	
1.430	Tons/Yr	based on a 12-month rolling total	PM10
0.330	Lbs/Hr		TSP
0.610	Lbs/Hr		VOC
2.650	Tons/Yr	based on a 12-month rolling total	VOC
124M	MDF PRESS & UNLOADER		
Emission Limit		Pollutant	
1.110	Lbs/Hr		CO
4.840	Tons/Yr		CO
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	NOX
0.440	Tons/Yr	Emergency Abort	PM10
1.210	Tons/Yr	based on a 12-month rolling total (fugitive emissions)	PM10

**SECTION G. Emission Restriction Summary.**

Source Id	Source Descriptor		
13.300	Tons/Yr		PM10
1.210	Tons/Yr	based on a 12-month rolling total (fugitive emissions)	PM2.5
0.100	Tons/Yr	(12-month rolling total)	PMDI
1.800	Tons/Yr	based on a 12-month rolling total (fugitive emissions) (filterable particulate)	TSP
3.040	Lbs/Hr		TSP
1.520	Tons/Yr	Emergency Abort	VOC
2.870	Tons/Yr	based on a 12-month rolling total (fugitive emissions)	VOC
6.930	Lbs/Hr	For Source 124M	VOC
6.930	Lbs/Hr		VOC
30.360	Tons/Yr	based on a consecutive 12-month period for Source 124M	VOC
30.630	Tons/Yr		VOC
69.320	Lbs/Hr	Emergency Abort	VOC
125M	MDF BOARD COOLER		
Emission Limit		Pollutant	
2.780	Tons/Yr	based on a consecutive 12-month period	PM10
2.230	Tons/Yr	based on a consecutive 12-month period	PM2.5
1.050	Tons/Yr	based on a consecutive 12-month period (filterable particulate)	TSP
1.310	Lbs/Hr		TSP
0.610	Lbs/Hr		VOC
2.650	Tons/Yr	based on a consecutive 12-month period	VOC
126M	MDF SYSTEM 3 - SANDER DUST SILO		
Emission Limit		Pollutant	
2.270	Tons/Yr		PM10
0.520	Lbs/Hr		TSP
127M	MDF SYSTEM 4 - SAW TRIM SILO		
Emission Limit		Pollutant	
2.530	Tons/Yr		PM10
0.580	Lbs/Hr		TSP
128M	MDF SYSTEM 10 - PRIMARY SANDER		
Emission Limit		Pollutant	
8.230	Tons/Yr	based on a 12-month rolling total	PM10
1.890	Lbs/Hr		TSP
0.440	Lbs/Hr		VOC
1.910	Tons/Yr	based on a 12-month rolling total	VOC

**SECTION G. Emission Restriction Summary.**

Source Id	Source Description		
129M	MDF SYSTEM 11 - SECONDARY SANDER		
Emission Limit		Pollutant	
8.900	Tons/Yr	based on a 12-month rolling total	PM10
2.040	Lbs/Hr		TSP
0.440	Lbs/Hr		VOC
1.910	Tons/Yr	based on a 12-month rolling average	VOC
130M	MDF SYSTEM 9 - SAWS		
Emission Limit		Pollutant	
15.340	Tons/Yr		PM10
3.520	Lbs/Hr		TSP
0.700	Tons/Yr	based on a consecutive 12-month period	VOC
218M	LOG CHIPPER WITH ENGINE		
Emission Limit		Pollutant	
1.000	GRAMS/HP-Hr		CO
5.000	Tons/Yr	Less than based on a consecutive 12-month period	NOX
5.900	GRAMS/HP-Hr	(0.013 #/bhp-hr)	NOX
171.140	Tons/Yr	based on a 12-month rolling total for all PAL Sources	NOX
0.400	GRAMS/HP-Hr		TSP
1.000	GRAMS/HP-Hr		VOC

Site Emission Restriction Summary

Emission Limit	Pollutant
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Alternative Operation Emission Restriction Summary

Source Id	Source Description		
134M	MDF GEKA COEN BURNER		
Emission Limit		Pollutant	
0.400	Lbs/MMBTU		TSP
4.000	Lbs/MMBTU	over a 1-hour period	SOX

**SECTION H. Miscellaneous.**

(a) The actual enforceable emission limits for each source, with the correct number of significant digits, are listed in Section D and E of this permit. The Emission Restriction Summary, Section G, of this permit is for information purposes only and is not to be used to establish enforceable limits.

(b) Plan approval #43-158I superceded plan approval # 42-158H.

(c) Source 120M 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).

(d) Source 132M is used as supplemental to the Westec Coen Burner (Source 133M), but when in operation, it will exhaust through the First and Second Stage MDF Dryers.

(e) The MDF Westec Coen Burner exhausts through the MDF Dryers.

(f) The MDF Geka Coen Burner (134M) normally exhausts through the MDF Dryers, but has an abort stack (SM13) for emergency situations.

(g) 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].

(h) 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
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

(i) 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

**SECTION H. Miscellaneous.**

(j) 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.

(k) 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.

(l) 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.

(m) 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.

(n) 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.

(o) 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 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.

(p) This permit was administratively amended on May 17, 2016 to incorporate the requirements of Plan Approval 42-158Q.

(q) 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.



***** End of Report *****
