COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

TITLE V/STATE OPERATING PERMIT

Issue Date:	July 14, 2023	Effective Date:	March 25, 2024
Revision Date:	March 25, 2024	Expiration Date:	June 30, 2028
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: 16-00132

Federal Tax Id - Plant Code: 83-1936006-1

Owner Information

Name: CLARION BOARDS LLC
Mailing Address: PO BOX 340
143 FIBERBOARD RD
SHIPPENVILLE, PA 16254-0340

Plant Information

Plant: CLARION BOARDS/CLARION PLT
Location: 16 Clarion County 16921 Paint Township
SIC Code: 2493 Manufacturing - Reconstituted Wood Products

Responsible Official

Name: CHRISTIAN SCHWEITZER
Title: OPERATIONS DIRECTOR
Phone: (814) 226 - 8961 Ext.1025 Email: c.schweitzer@kronospanusa.com

Permit Contact Person

Name: KEN SWITZER
Title: EHS MANAGER
Phone: (814) 226 - 0851 Ext.1038 Email: k.switzer@kronospanusa.com

[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
099	GAS FIRED SPACE HEATERS/FURNACES (27)	37.800	MMBTU/HR	
		37.800	MCF/HR	Natural Gas
505	NESS WOOD DUST BURNER	137.000	MMBTU/HR	
		7.600	Tons/HR	Wood
101A	FIBER DRYING SYSTEM	1.000	Tons/HR	HARDWOOD PULP FIBER
104	MAT FORMING SYSTEM	38.000	Th Bd Ft/HR	MDF
105	SYSTEM 5, MAT CLEANUP FANS, FORMING AREA, & DUST EXTRACTION	38.000	Th Bd Ft/HR	WOOD FIBERS
107	SYSTEM 7, MAT REJECT	38.000	Th Bd Ft/HR	WOOD FIBERS
108	CONTINUOUS PRESS SYSTEM	1.000	Th Sq Ft/HR	WOOD FIBER MAT
109	COOLING & STORAGE AREAS WITH BUILDING VENTS	20.700	Th Bd Ft/HR	MDF
110	SYSTEM 10 - DIAGONAL/SPLITTER/CUT-OFF SAWS	20.000	Th Bd Ft/HR	MDF
111	PRIMARY SANDER SYSTEM	25.000	Th Bd Ft/HR	MDF
112	SECONDARY SANDER SYSTEM	25.000	Th Bd Ft/HR	MDF
113	SYSTEM 13 - FINISHING & BOLSTER SAWS	20.000	Th Bd Ft/HR	MDF
119	SYSTEM 19 (DRY DUST HANDLING & FUEL FEED SYSTEM)	1.000	Tons/HR	DUST
122	ASH HANDLING SYSTEM	0.500	Tons/HR	ASH
123	REFINER STARTUP DUMP (ID #23)	40.700	Tons/HR	DUST
		25.000	M Bd Ft/HR	MDF
124	PARTS WASHER	0.075	Lbs/HR	STODDARD SOLVENT
125	DIESEL FUELED 196 HP EMERGENCY FIRE WATER PUMP	5.000	Gal/HR	#2 Oil
132	DIESEL FUELED 449 HP EMERGENCY GENERATOR	15.000	Gal/HR	#2 Oil
134	LIQUID RAW MATERIAL STORAGE TANKS	1.000	Lbs/HR	LIQUID RAW MATERIAL
501	GE ENGINE #1 (5,966.6 HP) NATURAL GAS FUELED 4SLB NON-EMERG.	32,220.000	CF/HR	Natural Gas
502	GE ENGINE #2 (5,966.6 HP) NATURAL GAS FUELED 4SLB NON-EMERG.	32,220.000	CF/HR	Natural Gas
503	GE ENGINE #3 (5,966.6 HP) NATURAL GAS FUELED 4SLB NON-EMERG.	32,220.000	CF/HR	Natural Gas
504	GE ENGINE #4 (5,966.6 HP) NATURAL GAS FUELED 4SLB NON-EMERG.	32,220.000	CF/HR	Natural Gas
506	SURPLUS WOOD DUST COLLECTION SYSTEM	1.000	Lbs/HR	WOOD DUST
C101A	ELECTROSTATIC PRECIPITATOR (ESP)			
C104A	MAT FORMING BAGHOUSE			
C107	MAT REJECT/RECYCLE BAGHOUSE			
C107A	SYSTEM 5 BAGHOUSE			
C107B	MATT REJECT BAGHOUSE			
C108	SCRUBBER FOR PRESS EMISSIONS			
C110	SPLITTER & CUT-OFF SAWDUST BAGHOUSE			
C110B	SYSTEM 10 BAGHOUSE			
C111A	PRIMARY AND SECONDARY SANDING SYSTEM BAGHOUSE			
C113	SYSTEM 13 BAGHOUSE [WAS ID C110A IN PLAN			

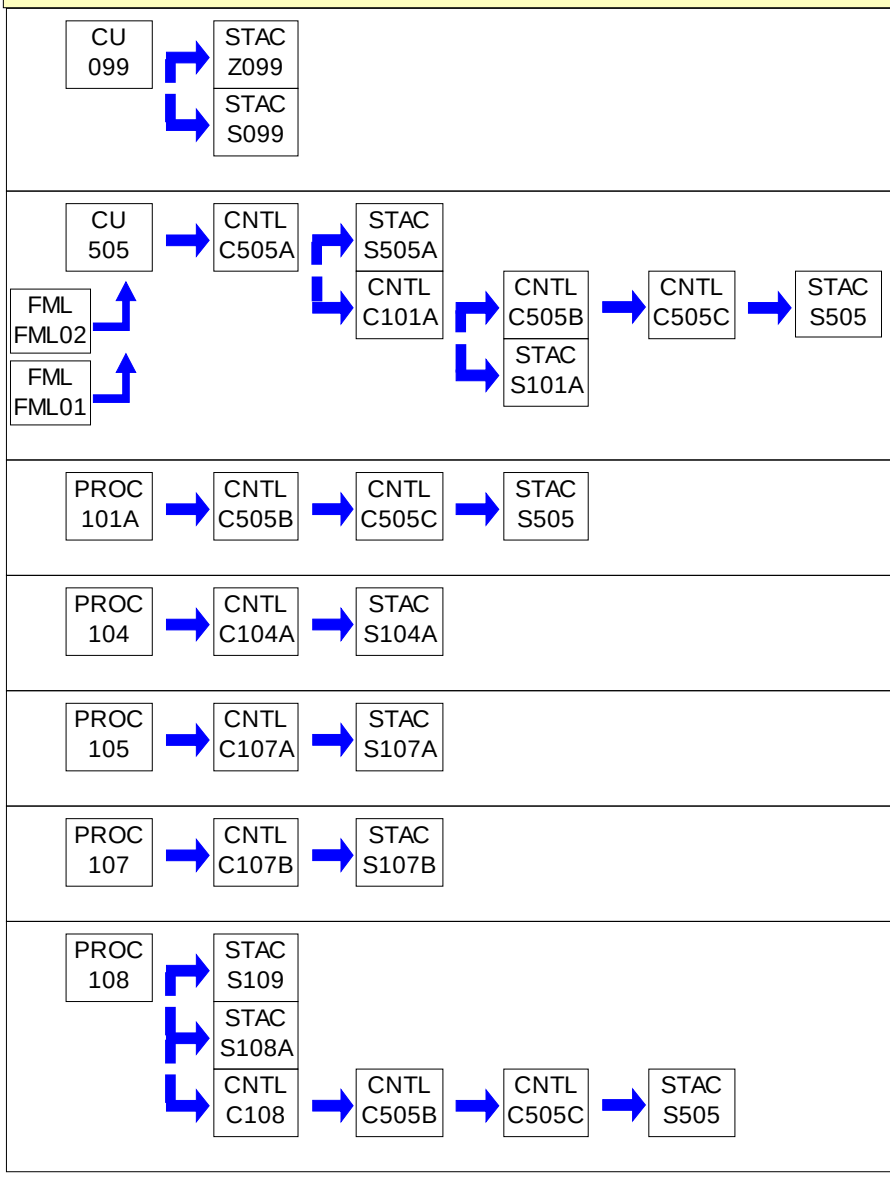
SECTION A. Site Inventory List

Source ID	Source Name	Capacity/Throughput	Fuel/Material
	APPROVAL 16-132O]		
C119	SYSTEM 19 BAGHOUSE		
C122	ASH BIN VENT FILTER		
C123	REFINER STARTUP DUMP CYCLONE		
C501	OXIDATION CATALYST		
C501A	SCR		
C502	OXIDATION CATALYST		
C502A	SCR		
C503	OXIDATION CATALYST		
C503A	SCR		
C504	OXIDATION CATALYST AND SCR		
C504A	SCR		
C505A	STEAM OR UREA INJECTION FOR NOX CONTROL		
C505B	2 HIGH EFFICIENCY CYCLONES		
C505C	TANN RTO		
C506	SURPLUS WOOD DUST COLLECTION SYSTEM BAGHOUSE		
FML01	WOOD SAWDUST FUEL		
FML02	NATURAL GAS FUEL		
S099	GAS FURNACE STACKS		
S101A	ESP ABORT DAMPER		
S104A	MATT FORMING BAGHOUSE STACK		
S107A	FORMING AREA & DUST EXTRACTION (SYSTEM 5) BAGHOUSE STACK		
S107B	MATT REJECT BAGHOUSE STACK		
S108A	PRESS IN-FEED VENT		
S109	PRESS OUT-FEED VENT		
S110B	DIAGONAL, SPLITTER, & CUT-OFF SAW (SYSTEM 10) BAGHOUSE STACK		
S111A	PRIMARY AND SECONDARY SANDING SYSTEMS BAGHOUSE STACKS (2)		
S113	FINISHING & BOLSTER SAWS (SYSTEM 13) BAGHOUSE STACK		
S119	SYSTEM 19 BAGHOUSE STACK		
S122	ASH BIN BAGHOUSE STACK		
S123	STARTUP DUMP STACK		
S125	STACK - EMERGENCY FIREWATER PUMP		
S128	BOARD STORAGE AND BUILDING VENT		
S132	DIESEL GENERATOR STACK		
S501	GE ENGINE #1 STACK		
S502	GE ENGINE #2		
S503	GE ENGINE #3 STACK		
S504	GE ENGINE #4 STACK		

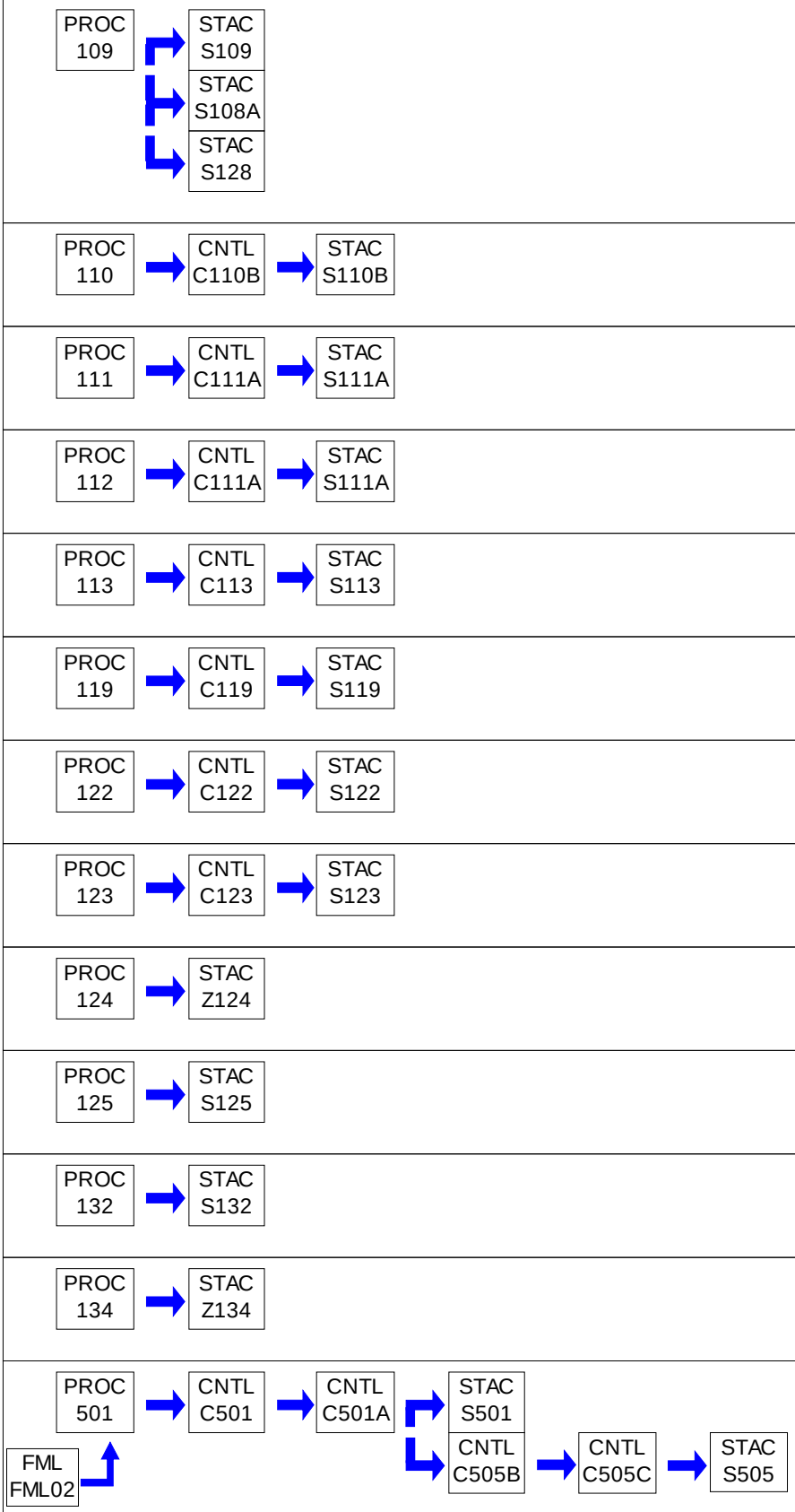
SECTION A. Site Inventory List

Source ID	Source Name	Capacity/Throughput	Fuel/Material
S505	TANN RTO STACK		
S505A	WOOD DUST BURNER EMERGENCY STACK		
S506	SURPLUS WOOD DUST COLLECTION SYSTEM BAGHOUSE STACK		
Z099	FUGITIVE EMISSIONS FROM NATURAL GAS SPACE HEATERS		
Z124	FUGITIVE EMISSIONS FROM PARTS WASHER		
Z134	TANK FUGITIVES FROM LIQUID RAW MATERIAL STORAGE		

PERMIT MAPS



PERMIT MAPS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PROC 113
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PROC 122
CNTL C122
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PROC 123
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PROC 124
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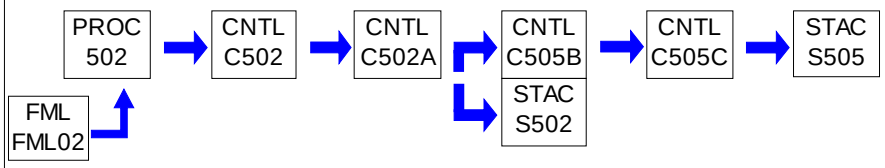
PERMIT MAPS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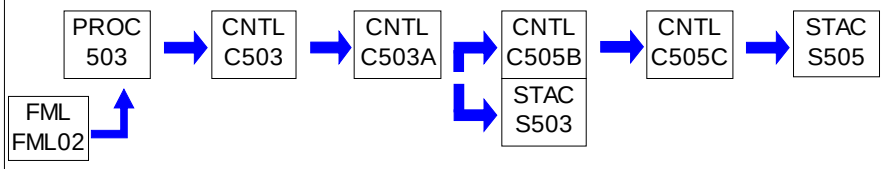
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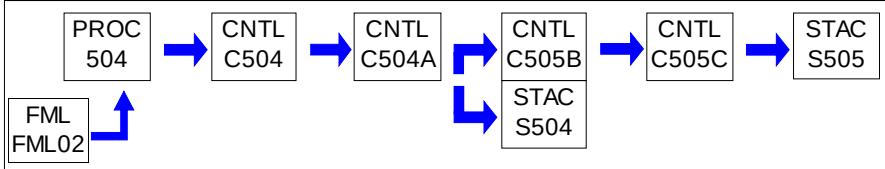
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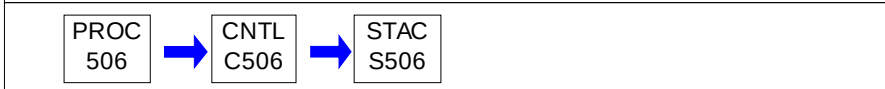
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SECTION B. General Title V Requirements

#001 [25 Pa. Code § 121.1]

Definitions

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

#002 [25 Pa. Code § 121.7]

Prohibition of Air Pollution

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

#003 [25 Pa. Code § 127.512(c)(4)]

Property Rights

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

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

Permit Expiration

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

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

Permit Renewal

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

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

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

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

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

Transfer of Ownership or Operational Control

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

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

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

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

SECTION B. General Title V Requirements

the Department.

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

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

Inspection and Entry

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

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

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

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

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

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

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

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

Compliance Requirements

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

(1) Enforcement action

(2) Permit termination, revocation and reissuance or modification

(3) Denial of a permit renewal application

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

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

#009 [25 Pa. Code § 127.512(c)(2)]

Need to Halt or Reduce Activity Not a Defense

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

SECTION B. General Title V Requirements

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

Duty to Provide Information

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

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

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

Reopening and Revising the Title V Permit for Cause

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

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

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

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

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

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

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

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

#012 [25 Pa. Code § 127.543]

Reopening a Title V Permit for Cause by EPA

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

#013 [25 Pa. Code § 127.522(a)]

Operating Permit Application Review by the EPA

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

R3_Air_Apps_and_Notices@epa.gov

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

SECTION B. General Title V Requirements

#014 [25 Pa. Code § 127.541]

Significant Operating Permit Modifications

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

R3_Air_Apps_and_Notices@epa.gov

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

#015 [25 Pa. Code §§ 121.1 & 127.462]

Minor Operating Permit Modifications

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

R3_Air_Apps_and_Notices@epa.gov

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

#016 [25 Pa. Code § 127.450]

Administrative Operating Permit Amendments

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

R3_Air_Apps_and_Notices@epa.gov

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

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

#017 [25 Pa. Code § 127.512(b)]

Severability Clause

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

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

Fee Payment

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

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

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

SECTION B. General Title V Requirements

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

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

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

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

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

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

Authorization for De Minimis Emission Increases

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

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

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

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

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

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

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

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

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

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

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

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

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

SECTION B. General Title V Requirements

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Reactivation of Sources

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

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

#021 [25 Pa. Code §§ 121.9 & 127.216]

Circumvention

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

SECTION B. General Title V Requirements

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

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

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

Submissions

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

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

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

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

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

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

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

Sampling, Testing and Monitoring Procedures

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

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

#024 [25 Pa. Code §§ 127.511 & Chapter 135]

Recordkeeping Requirements

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

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

(2) The dates the analyses were performed.

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

(4) The analytical techniques or methods used.

SECTION B. General Title V Requirements

(5) The results of the analyses.

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

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

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

#025 [25 Pa. Code §§ 127.411(d), 127.442, 127.463(e) & 127.511(c)]

Reporting Requirements

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

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

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

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

#026 [25 Pa. Code § 127.513]

Compliance Certification

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

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

(b) The compliance certification shall be postmarked or hand-delivered no later than thirty days after each anniversary of the date of issuance of this Title V Operating Permit, or on the submittal date specified elsewhere in the permit, to the Department in accordance with the submission requirements specified in Section B, Condition #022 of this permit. The Title V compliance certification shall be emailed to EPA at R3_APD_Permits@epa.gov.

SECTION B. General Title V Requirements

#027 [25 Pa. Code § 127.3]

Operational Flexibility

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

(1) Section 127.14 (relating to exemptions)

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

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

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

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

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

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

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

Risk Management

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

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

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

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

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

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

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

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

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

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

SECTION B. General Title V Requirements

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

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

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

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

#029 [25 Pa. Code § 127.512(e)]

Approved Economic Incentives and Emission Trading Programs

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

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

Permit Shield

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

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

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

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

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

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

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

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

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

#031 [25 Pa. Code §135.3]

Reporting

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

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

#032 [25 Pa. Code §135.4]

Report Format

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

SECTION C. Site Level Requirements

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §123.1]

Prohibition of certain fugitive emissions

(a) No person may permit the emission into the outdoor atmosphere of fugitive air contaminant from a source other than the following:

(1) Construction or demolition of buildings or structures.

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

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

(4) Clearing of land.

(5) Stockpiling of materials.

(6) Open burning operations.

(7) [Not applicable]

(8) [Not applicable]

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

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

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

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

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

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

 # 002 [25 Pa. Code §123.2]

Fugitive particulate matter

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

 # 003 [25 Pa. Code §123.31]

Limitations

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

SECTION C. Site Level Requirements

 # 004 [25 Pa. Code §123.41]

Limitations

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

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

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

 # 005 [25 Pa. Code §123.42]

Exceptions

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

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

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

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

(4) [Not applicable]

 # 006 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[Plan Approval 16-132N]

VOC emissions from the facility shall not exceed 49.5 tpy on a 12-month rolling basis. The facility consists of the Boards & Laminates plants.

 # 007 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[Plan Approval 16-132L]

(a) The Projected Actual Emissions from Laminates Source 031 (Thermal Oil Heater 1) are the following:

1. NOx: 1.0 tpy based on a 12-month consecutive period;

2. VOC: 0.04 tpy based on a 12-month consecutive period.

[Plan Approval 16-132L]

(b) The Projected Actual Emissions from Laminates Source 032 (8 Direct Fired Space Heaters) are the following:

1. NOx: 2.0 tpy based on a 12-month consecutive period;

2. VOC: 0.11 tpy based on a 12-month consecutive period.

[The projected actual emissions of paragraphs (a) and (b) are also from plan approval 16-132N issued on March 30, 2019.]

SECTION C. Site Level Requirements

Operation Hours Restriction(s).

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

[Plan Approval 16-132B]

The facility shall not operate more than 8,280 hours per year (based on a 12-month rolling total).

II. TESTING REQUIREMENTS.

 # 009 [25 Pa. Code §123.43]
Measuring techniques

Visible emissions may be measured using either of the following:

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

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

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.

 # 010 [25 Pa. Code §127.12b]
Plan approval terms and conditions.

[From plan approvals 16-132N and 16-132O]

All logs and required records shall be maintained on site for a minimum of 5 years and shall be made available to the Department upon request.

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

[Requirements (a) through (d) below are from Plan Approval 16-132N]

(a) The owner or operator of the facility shall maintain records that clearly demonstrate that the facility is not a major source of VOC emissions. In addition, the owner or operator shall keep records to verify compliance with the facility-wide VOC emission limitation of 49.5 tpy.

(b) The records shall be maintained, at a minimum, on a monthly basis and the emissions shall be calculated on a 12-month rolling basis.

(c) VOC emissions from sources that have conducted approved stack testing shall be calculated using the results from the latest Department approved stack testing along with actual production records.

(d) VOC emissions from sources that have not conducted approved stack testing shall be calculated using Department approved emission factor along with actual production records.

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

[Plan Approval 16-132H]

Recordkeeping shall commence at the time of the start-up of each source and/or air cleaning device.

SECTION C. Site Level Requirements

 # 013 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[This condition is derived from Plan Approval 16-132H]

(a) Monthly records shall be maintained of the hours of operation for the facility.

(b) At the end of each month, the hours of operation for that month shall be added to the 11 previous months to determine the 12 consecutive month total.

 # 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 §§ 135.3 and 135.21 (relating to reporting; and emission statements). These may include records of production, fuel usage, maintenance of production or pollution control equipment or other information determined by the Department to be necessary for identification and quantification of potential and actual air contaminant emissions. If direct recordkeeping is not possible or practical, sufficient records shall be kept to provide the needed information by indirect means.

V. REPORTING REQUIREMENTS.

 # 015 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[Derived from Plan approvals 16-132O and 16-132B]

[Addresses and phone numbers for reporting are printed in Section H of this permit.]

(a) The owner or operator shall notify the Department by telephone within 24 hours of the discovery of any malfunction which results in, or may possibly be resulting in, the emission of air contaminants in excess of any applicable limitation 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.

If the owner or operator is unable to provide notification by telephone to the appropriate Regional Office within 24 hours of discovery of a malfunction due to a weekend or holiday, the notification shall be made to the Department by no later than 4 p.m. on the first business day for the Department following the weekend or holiday.

(b) Any malfunction that poses an imminent danger to the public health, safety, welfare, or environment shall be reported by telephone to the following agencies immediately after the discovery of an incident.

(1) the Department of Environmental Protection; and

(2) the County Emergency Management Agency.

(c) Following the telephone notification, a written notice must also be submitted to DEP as specified below.

(1) The owner or operator shall submit a written report of instances of such malfunctions to the Department within 3 business days of the telephone report.

(2) 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.

(d) Unless otherwise required by this permit, any other malfunctions shall be reported to the Department, in writing, within 5 business days of malfunction discovery.

 # 016 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

SECTION C. Site Level Requirements

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

(1) January 1 through June 30
(2) July 1 through December 31

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

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

• January 1 through December 31.

(c) Electronic submissions to the Northwest Regional Office Air Quality program may be submitted by use of the OnBase-DEP Upload Form at this address https://www.dep.pa.gov/DataandTools/Pages/Application-Form-Upload.aspx in lieu of sending paper copies to the Department. If using the tool to submit non permit related information, please use the "Other" as the both the form name and document type. Guidance for the new online permit application tool can be found at this web address https://files.dep.state.pa.us/DataAndTools/ApplicationFormUpload/OnBase_form_May132020.pdf

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

R3_APD_Permits@epa.gov

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

 # 017 [25 Pa. Code §135.21]

Emission statements

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

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

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

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

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

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

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

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

SECTION C. Site Level Requirements

VI. WORK PRACTICE REQUIREMENTS.

 # 018 [25 Pa. Code §123.1]

Prohibition of certain fugitive emissions

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

(c) A person responsible for any source specified in 25 Pa. Code § 123.1(a)(1) -- (7) or (9) [Condition 001 above] shall take all reasonable actions to prevent particulate matter from becoming airborne. These actions shall include, but not be limited to, the following:

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

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

(3) Paving and maintenance of roadways.

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

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

 # 019 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[Plan approval 16-132O]

(a) No source may operate unless its associated control device is operating without malfunction.

(b) All reasonable actions, as determined by the Department, shall be taken to prevent material becoming fugitive particulate matter emissions.

(c) No fugitive emissions shall be generated as a result of removing collected dust from a control device or as a result of subsequently handling the collected dust on-site following its removal from a control device.

 # 020 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[Paragraphs (a) - (g) are from Plan Approval 16-132B]

(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 being emitted into the outdoor atmosphere.

(b) During the inspection, the permittee shall check for fugitive emissions from points such as the transfer towers, the raw material conveyors, and the roadways.

(c) The inspection shall include an observation of control devices for leakage or operational problems.

(d) Corrective action shall be taken to return problems discovered to the normal state.

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

(f) The inspection records shall be kept on site and made available to the Department upon request.

(g) Roadways in the operations area of the facility shall be swept every 48 hours, weather permitting, or as necessary with a sweeper truck or similar device to mitigate dust build up.

SECTION C. Site Level Requirements

 # 021 [25 Pa. Code §129.14]

Open burning operations

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

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

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

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

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

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

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

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

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

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

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

(4) [Not applicable]

(5) [Not applicable]

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

(7) A fire set solely for cooking food.

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

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

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

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

(2) [Not applicable]

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

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

(ii) Authorization for open burning under this paragraph does not apply to clearing and grubbing wastes

SECTION C. Site Level Requirements

transported from an air basin for disposal outside of an air basin.

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

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

VII. ADDITIONAL REQUIREMENTS.

 # 022 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[Plan Approval 16-132H]

(a) Emission Reduction Credit Requirements

(1) The company shall not operate the modified source until the required emission reduction credits are provided to and processed through the ERC registry.

(2) The company has entered into an agreement with ALCOA to purchase emission reduction credits in the amount of 150 per year of VOCs of which 145 tpy will be used to offset the contemporaneous increase in VOC emissions of 124.62 tpy flue emissions and 0.87 tpy fugitive emissions. The VOC ERCs were generated and created by the permanent shutdown of the Alcoa's Lebanon facility in Lebanon County. The Department has approved the request to transfer 150 tpy of VOC ERCs to Clarion Boards, Inc. from Alcoa, Inc. in Lebanon, PA and has revised the ERC Registry System accordingly on February 4, 2009.

(3) If the amount of required emission reduction credits increases, the company shall secure emission offsets according to a schedule determined by the Department.

[Plan Approval 16-132H]

(b) Any information required to be submitted as part of the above conditions should be submitted to the New Source Review Section Chief, Air Quality Program, Northwest Regional Office, 230 Chestnut Street, Meadville, PA 16335-3481.

VIII. COMPLIANCE CERTIFICATION.

The permittee shall submit within thirty days of 12/31/2021 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.

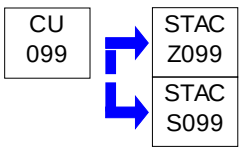
No compliance milestones exist.

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

SECTION D. Source Level Requirements

Source ID: 099 Source Name: GAS FIRED SPACE HEATERS/FURNACES (27)

Source Capacity/Throughput: 37.800 MMBTU/HR
37.800 MCF/HR Natural Gas



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §123.13]
Processes

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

 # 002 [25 Pa. Code §123.21]
General

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

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

(a) The total volatile organic compound (VOC) emissions shall not exceed the following for Building Heaters:
- 0.46 tpy based on a consecutive 12-month period.

[From Plan Approval 16-132H]

Fuel Restriction(s).

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

The source shall only burn natural gas as a fuel.

[From Plan Approval 16-132H]

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.

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

The permittee shall monitor the natural gas usage on a monthly basis.

[From Plan Approval 16-132H]

SECTION D. Source Level Requirements

IV. RECORDKEEPING REQUIREMENTS.

 # 006 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) Recordkeeping shall commence at the time of the start-up of each source and/or air cleaning device.

(b) Records shall be maintained of the amount of fuel (natural gas) burned monthly.

(c) Records shall be maintained of the VOC emissions monthly.

[Paragraphs (a), (b), & (c) are from Plan Approval 16-132H]

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.

 # 007 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The source shall be maintained and operated in accordance with the manufacturer's specifications and in accordance with good air pollution control practices.

[From Plan Approval 16-132H]

 # 008 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The permittee shall install and maintain a fuel meter or use equivalent method to track the gas usage of the heaters.

[From Plan Approval 16-132H]

VII. ADDITIONAL REQUIREMENTS.

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

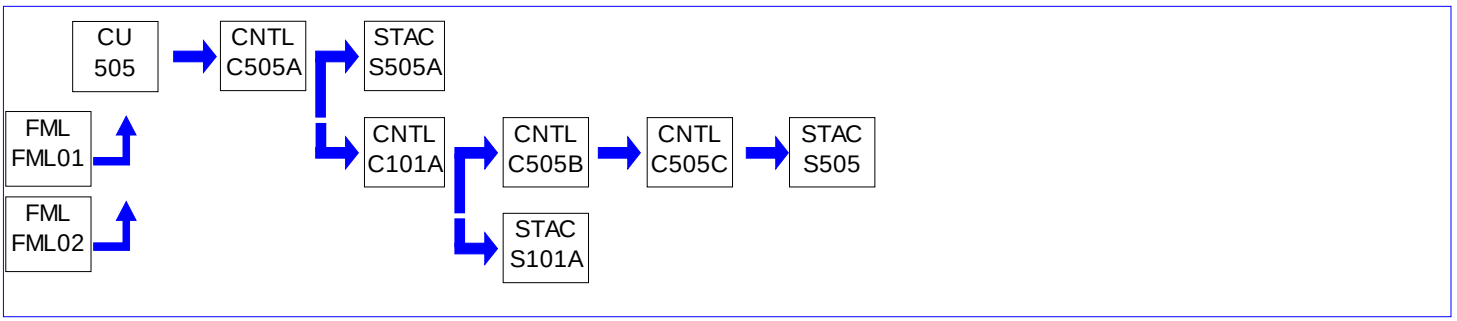
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 505 Source Name: NESS WOOD DUST BURNER

Source Capacity/Throughput: 137.000 MMBTU/HR
7.600 Tons/HR Wood

Conditions for this source occur in the following groups: 01 - BAT FOR APPROVALS AFTER 2004
02 - TESTING REQUIREMENTS
07 - 16-132L



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The control device (TANN RTO) shall remove 95% of non-methane hydrocarbons or will have an average outlet concentration of equal to or less than 5 ppm C3 (propane), whichever is less stringent. Inlet concentrations shall be measured at the control device (TANN RTO) fan inlet, upstream of any dilution/recirculation inlets. The test method for hydrocarbons is Method 25A.

(b) The emissions at the outlet of the control device (TANN RTO) with all engines exhausting to their own stack shall not exceed the following:

(1) NOx: 23.5 lb/hr (97.29 tpy based on a consecutive 12-month period)

(2) CO: 44.0 lb/hr (182.2 tpy based on a consecutive 12-month period)

(3) VOC (NMNEHC as methane): 7.55 lb/hr (31.26 tpy based on a consecutive 12-month period)

(4) PM10: 8.0 lb/hr (33.1 tpy based on a consecutive 12-month period)

(5) PM2.5: 8.0 lb/hr (33.1 tpy based on a consecutive 12-month period)

(6) SOx: 3.424 lb/hr (14.175 tpy based on a consecutive 12-month period)

(c) The emissions at the outlet of the control device (TANN RTO) with engines exhausting to control device (TANN RTO) shall not exceed the following:

(1) NOx: 113.95 tpy based on a consecutive 12-month period

(2) CO: 209.97 tpy based on a consecutive 12-month period

(3) VOC (NMNEHC as methane): 32.06 tpy based on a consecutive 12-month period

(4) PM10: 41.77 tpy based on a consecutive 12-month period

(5) PM2.5: 41.77 tpy based on a consecutive 12-month period

(6) SOx: 22.85 tpy based on a consecutive 12-month period

SECTION D. Source Level Requirements

[Paragraphs (a) through (c) are from Plan approval 16-132L, Section D, Source 505, Condition #001.]

II. TESTING REQUIREMENTS.

 # 002 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) [The requirement from Plan approval 16-132L, Section D, Source 505, Condition #002 for an initial stack test was completed on November 10, 2020.]

(b) A stack test for NOx, CO, and VOC (NMOC including formaldehyde and methanol) shall be performed in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection every 2 years. Each subsequent test shall be conducted within 12 to 24 months of the last test. The stack test shall be performed while the aforementioned source is operating at the maximum or normal rated capacity as stated on the application. The stack test shall be conducted at the intlet and the outlet of the TANN RTO (C505C).

[Paragraphs (a) and (b) are derived from Plan approval 16-132L, Section D, Source 505, Condition #002.]

III. MONITORING REQUIREMENTS.

 # 003 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The permittee shall continuously monitor the chamber temperature of the control device (TANN RTO) whenever the source is in operation.

[Paragraph (a) is from Plan Approval 16-132L]

(b) The permittee shall continuously monitor the fan frequency in Hertz.

[Paragraph (b) is derived from Plan Approval 16-132L as amended with the 2022 Title V operating permit renewal issuance based upon the March 9, 2022, Department approval of using a surrogate for Air Flow measurement. Compliance with paragraph (b) assures compliance with Plan Approval 16-132L, Section D, Source 505, Condition #003(b).]

IV. RECORDKEEPING REQUIREMENTS.

 # 004 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) All recordkeeping shall commence upon startup of the source/control device. All records shall be kept for a period of 5 years and shall be made available to the Department upon request.

[From Plan Approval 16-132L]

(b) The permittee shall maintain a record of all preventive maintenance inspections of the control device. These records shall include, at a minimum, the following:

(1) the dates of the inspections,
(2) the name of the person performing the inspection,
(3) any problems or defects identified,
(4) any actions taken to correct the problems or defects, and
(5) any routine maintenance performed.

[From Plan Approval 16-132L]

(c) The permittee shall record the following operational data from the control device (TANN RTO) (these records may be done with strip charts recorders, data acquisition systems, or manual log entries):

SECTION D. Source Level Requirements

(1) RTO Chamber temperature continuously - defined as at least one recording every 15 minutes; and

(2) The fan frequency (Hz) continuously - defined as at least one recording every 15 minutes.

[Paragraph (c) is derived from Plan Approval 16-132L as amended in the 2022 TV operating permit renewal issuance based on the March 9, 2022, Department approval of using a surrogate for Air Flow measurement. Compliance with paragraph (c)(1)-(2) assures compliance with Plan Approval 16-132L, Section D, Source 505, Condition #004(b)(1)-(2).]

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

 # 005 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The permittee shall perform a daily operational inspection of the control devices. As part of this operational inspection the facility:

(1) shall monitor the pressure drop across the cyclones; and

(2) shall conduct a visible emission (VE) observation of the control device (TANN RTO) stack.

(3) The VE observation shall be 60 seconds in length with reading every 15 seconds, and if any visible emissions are observed, a Method 9 observation (30 minutes in duration) shall be conducted to determine compliance with the opacity limitations.

(b) The permittee shall perform a monthly preventive maintenance inspection of the control devices.

(c) All gauges employed shall have a scale such that the expected normal reading shall be no less than 20 percent of full scale and be accurate within plus or minus 2 percent of full scale reading.

(d) The permittee shall adhere to the approved indicator range for the control device (TANN RTO) 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. The approved indicator range for the following shall be determined during the initial performance test or any subsequently approved performance tests unless otherwise stated:

(1) Airflow averaged over any 1-hour period, shall not exceed 335,000 scfm. [The indicator range for airflow shall be derived in accordance with the following method proposed by the facility in a Jan. 31, 2022, email to the Department. The facility has stated that fan frequency (Hz) is directly proportional to fan speed (rpm). The facility will convert frequency (Hz) into fan speed (rpm). The facility will then convert the fan speed (rpm) into airflow (acfm). The facility has stated that 60 Hz is equivalent to 1,786 rpm which is equivalent to 353,147 acfm at the RTO outlet. They will then convert airflow (acfm) to airflow (scfm) by using temperature and moisture content using the ideal gas law which will be programmed into the PLC system and displayed in rolling 1-hour averages.]

(2) Minimum one-hour average chamber temperature greater than 1,500 °F or the one-hour average chamber temperature during the most recently approved performance test.

The permittee, with prior Departmental approval, may conduct additional performance tests to determine a new minimum one-hour average chamber temperature. Within 24-hours of discovery of a reading outside of the prescribed range the permittee shall perform a maintenance inspection on the control device and take corrective action. Records of all maintenance inspections on the control device, and corrective actions taken, shall be maintained on site for a minimum period of 5 years. In the event of more than one documented excursion outside the prescribed range in any calendar quarter the permittee shall submit a corrective measure plan to the Department. Corrective measures may include an increase of

SECTION D. Source Level Requirements

the frequency of required preventative maintenance inspections of the control device, a modification of the prescribed range, or other appropriate action as approved by the Department. Upon receipt of a corrective measure plan the Department shall determine the appropriate corrective measure on a case-by case basis.

(e) The permittee shall operate the control devices at all times that the source is in operation.

(f) The permittee shall maintain and operate the source and control devices in accordance with the manufacturer's specifications and in accordance with good air pollution control practices.

[Paragraphs (a) through (f) are from Plan Approval 16-132L. Paragraph (d)(1) was amended with the 2022 TV renewal issuance to reflect the method by which the air flow measurement will be derived and is based upon the March 9, 2022, Department approval of using a surrogate for Air Flow measurement.]

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).

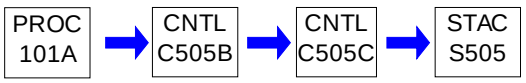
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 101A Source Name: FIBER DRYING SYSTEM

Source Capacity/Throughput: 1.000 Tons/HR HARDWOOD PULP FIBER

Conditions for this source occur in the following groups: 01 - BAT FOR APPROVALS AFTER 2004



I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

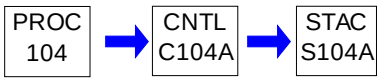
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 104 Source Name: MAT FORMING SYSTEM

Source Capacity/Throughput: 38.000 Th Bd Ft/HR MDF

Conditions for this source occur in the following groups: 01 - BAT FOR APPROVALS AFTER 2004
02 - TESTING REQUIREMENTS
07 - 16-132L



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) Emissions shall comply with 25 PA Code 123.1, 123.31, & 123.41 for fugitive, odor, and visible emissions respectively.

(b) No person may permit the emission into the outdoor atmosphere of particulate matter in a manner that the concentration of total particulate matter (both filterable and condensable) in the effluent gas exceeds 0.004 grain per dry standard cubic foot.

(c) Emissions shall not exceed the following:

(1) PM: 1.32 lbs./hr. (both filterable and condensable);

(2) PM: 5.78 tpy (both filterable and condensable) based on a 12-month rolling total;

(3) PM10: 1.32 lbs./hr.;

(4) PM10: 5.78 tpy based on a 12-month rolling total;

(5) PM2.5: 1.32 lbs./hr.;

(6) PM2.5: 5.78 tpy based on a 12-month rolling total;

(d) The total volatile organic compound (VOC) emissions shall not exceed the following.

(1) VOC: 0.80 #/hr; and

(2) VOC: 3.31 tpy based on a consecutive 12-month period

[Paragraphs (a), (b), and (c)(1)-(6) are from Plan Approval 16-132M. Paragraph (b) is also from plan approval 16-132B. Paragraph (d) is from Plan Approval 16-132H.]

 # 002 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[Plan Approval 16-132L & 25 Pa. Code § 127.203a(a)(5)]

The Projected Actual Emissions are the following:

- VOC: 0.882 tpy based on a 12-month consecutive period.

[The projected actual emissions are also from plan approval 16-132Q issued on October 13, 2022.]

SECTION D. Source Level Requirements

II. TESTING REQUIREMENTS.

 # 003 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) [The requirement from Plan approval 16-132M, Section D, Source 104, Condition #002(a) for an initial stack test was completed on June 16, 2021.]

(b) [Deleted based on Plan Approval 16-132Q].

[From Plan Approval 16-132M.]

 # 004 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Within 12 to 18 months prior to the expiration of the facility operating permit, a stack test for VOC shall be performed in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection. The stack test shall be performed while the aforementioned source is operating at the maximum or normal rated capacity as indicated in the plan approval application. The stack test shall be conducted at the following location:

- Outlet of Mat Shave Off & Side Trim Baghouse (Source 104)

[From Plan Approval 16-132H, Section C, Condition # 003.]

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.

 # 005 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) All recordkeeping shall commence upon startup of the source/control device. All records shall be kept for a period of 5 years and shall be made available to the Department upon request.

(b) The permittee shall maintain a record of all preventive maintenance inspections of the control device. These records shall include, at a minimum, the following:

(1) the dates of the inspections,
(2) the name of the person performing the inspection,
(3) any problems or defects identified,
(4) any actions taken to correct the problems or defects, and
(5) any routine maintenance performed.

(c) The permittee shall record the following operational data from the baghouse (these records may be done with strip charts recorders, data acquisition systems, or manual log entries):

(1) Pressure differential - daily defined as once per calendar day; and

(2) Visible emission check - daily defined as once per calendar day.

(d) Records shall be maintained of the VOC emissions monthly.

(e) Records shall be maintained of the number of board feet produced monthly.

[Paragraphs (a) and (b) are from Plan Approval 16-132M. Paragraph (c) is from Plan Approval 16-132Q. Paragraphs (a), (d), and (e) are from Plan Approval 16-132H.]

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.

 # 006 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[Plan Approval 16-132Q]
(a) The permittee shall perform a daily operational inspection of the control device. As part of this operational inspection the facility shall monitor the pressure drop across the baghouse, verify the bag leak detection system is operating, and shall conduct a visible emission (VE) observation of the baghouse stack. The VE observation shall be 60 seconds in length with reading every 15 seconds. If any visible emissions are observed, the facility shall perform one of the following:

1. A Method 9 observation using a certified observer (60 minutes in duration) shall be conducted to determine compliance with the opacity limitations - or

2. The facility shall immediately commence shutdown of the source/control device in accordance with the Department approved shutdown procedure.

[Plan Approval 16-132Q]
(b) The permittee shall install and operate a bag leak detection system.

[Plan Approval 16-132M]
(c) The permittee shall perform a monthly preventive maintenance inspection of the control device.

[Plan Approval 16-132M]
(d) A magnehelic gauge or equivalent shall be maintained and operated to monitor the pressure differential across the baghouse. All gauges employed shall have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent (+/- 2%) of full scale reading.

[Plan Approval 16-132M]
(e) The permittee shall adhere to the approved indicator range for the baghouse 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. The approved indicator range for the following shall be determined during the initial performance test or any subsequently approved performance tests unless otherwise stated:

1. Pressure drop: 1.0 to 7.0 inches water gage or as established during compliant testing

2. Opacity less than or equal to 10%

The permittee, with prior Departmental approval, may conduct additional performance tests to determine a new pressure drop range. Within 24-hours of discovery of a reading outside of the prescribed range the permittee shall perform a maintenance inspection on the control device and take corrective action. Records of all maintenance inspections on the control device, and corrective actions taken, shall be maintained on site for a minimum period of five years. In the event of more than one documented excursion outside the prescribed range in any calendar quarter the permittee shall submit a corrective measure plan to the Department. Corrective measures may include an increase of the frequency of required preventative maintenance inspections of the control device, a modification of the prescribed range, or other appropriate action as approved by the Department. Upon receipt of a corrective measure plan the Department shall determine the appropriate corrective measure on a case-by case basis.

[Plan Approval 16-132M]
(f) The permittee shall operate the control device at all times that the source is in operation.

[Plan Approval 16-132M]
(g) The permittee shall maintain and operate the source and control device in accordance with the manufacturer's

SECTION D. Source Level Requirements

specifications and in accordance with good air pollution control practices.

[Plan Approval 16-132B]
(h) For each fabric collector, twenty percent of the total number of bags in the baghouse is required to be on hand for replacement as necessary.

VII. ADDITIONAL REQUIREMENTS.

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

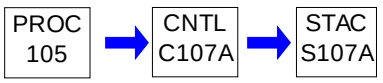
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 105 Source Name: SYSTEM 5, MAT CLEANUP FANS, FORMING AREA, & DUST EXTRACTION

Source Capacity/Throughput: 38.000 Th Bd Ft/HR WOOD FIBERS

Conditions for this source occur in the following groups: 01 - BAT FOR APPROVALS AFTER 2004



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[Plan Approval 16-132P]
(a) Emissions shall comply with 25 PA Code 123.1, 123.31, & 123.41 for fugitive, odor, and visible emissions respectively.

[Plan Approval 16-132P]
(b) No person may permit the emission into the outdoor atmosphere of particulate matter in a manner that the concentration of total particulate matter (both filterable and condensable) in the effluent gas exceeds 0.004 grain per dry standard cubic foot.

[Plan Approval 16-132P]
(c) Emissions shall not exceed the following:

(1) PM: 1.32 #/hr (both filterable and condensable)

(2) PM: 5.78 tpy (both filterable and condensable) based on a 12-month rolling total

(3) PM10: 1.32 #/hr

(4) PM10: 5.78 tpy based on a 12-month rolling total

(5) PM2.5: 1.32 #/hr

(6) PM2.5: 5.78 tpy based on a 12-month rolling total

 # 002 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[Plan Approval 16-132L]

The Projected Actual Emissions are the following:

- VOC: 0.910 tpy based on a 12-month consecutive period.

[The projected actual emissions are also from plan approval 16-132P issued on April 28, 2020, and from plan approval 16-132Q issued on October 13, 2022..]

II. TESTING REQUIREMENTS.

 # 003 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[Plan Approval 16-132P]

(a) [The requirement from Plan approval 16-132P, Section D, Source 105, Condition #002(a) for an initial stack test was

SECTION D. Source Level Requirements

completed on August 6, 2020.]

[Plan Approval 16-132P]

(b) [Deleted based on Plan Approval 16-132Q].

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.

[Plan Approval 16-132P]
(a) All recordkeeping shall commence upon startup of the source/control device. All records shall be kept for a period of 5 years and shall be made available to the Department upon request.

[Plan Approval 16-132P]
(b) The permittee shall maintain a record of all preventive maintenance inspections of the control device. These records shall include, at a minimum, the following:

(1) the dates of the inspections,
(2) the name of the person performing the inspection,
(3) any problems or defects identified,
(4) any actions taken to correct the problems or defects, and
(5) any routine maintenance performed.

[Plan Approval 16-132P and 16-132Q]
(c) The permittee shall record the following operational data from the baghouse (these records may be done with strip charts recorders, data acquisition systems, or manual log entries):

(1) Pressure differential - daily defined as once per calendar day;

(2) Visible emission check - daily defined as once per calendar day.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

 # 005 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[Plan Approval 16-132Q]
(a) The permittee shall perform a daily operational inspection of the control device. As part of this operational inspection the facility shall monitor the pressure drop across the baghouse, verify the bag leak detection system is operating, and shall conduct a visible emission (VE) observation of the baghouse stack. The VE observation shall be 60 seconds in length with reading every 15 seconds. If any visible emissions are observed, the facility shall perform one of the following:

1. A Method 9 observation using a certified observer (60 minutes in duration) shall be conducted to determine compliance with the opacity limitations - or

SECTION D. Source Level Requirements

2. The facility shall immediately commence shutdown of the source/control device in accordance with the Department approved shutdown procedure.

[Plan Approval 16-132Q]
(b) The permittee shall install and operate a bag leak detection system.

[Plan Approval 16-132P]
(c) The permittee shall perform a monthly preventive maintenance inspection of the control device.

[Plan Approval 16-132P]
(d) A magnehelic gauge or equivalent shall be maintained and operated to monitor the pressure differential across the baghouse. All gauges employed shall have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent (+/- 2%) of full scale reading.

[Plan Approval 16-132P]
(e) The permittee shall adhere to the approved indicator range for the baghouse 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. The approved indicator range for the following shall be determined during the initial performance test or any subsequently approved performance tests unless otherwise stated:

1. Pressure drop: 1.0 to 7.0 inches water gage or as established during compliant testing

2. Opacity less than or equal to 10%

The permittee, with prior Departmental approval, may conduct additional performance tests to determine a new pressure drop range. Within 24-hours of discovery of a reading outside of the prescribed range the permittee shall perform a maintenance inspection on the control device and take corrective action. Records of all maintenance inspections on the control device, and corrective actions taken, shall be maintained on site for a minimum period of five years. In the event of more than one documented excursion outside the prescribed range in any calendar quarter the permittee shall submit a corrective measure plan to the Department. Corrective measures may include an increase of the frequency of required preventative maintenance inspections of the control device, a modification of the prescribed range, or other appropriate action as approved by the Department. Upon receipt of a corrective measure plan the Department shall determine the appropriate corrective measure on a case-by case basis.

[Plan Approval 16-132P]
(f) The permittee shall operate the control device at all times that the source is in operation.

[Plan Approval 16-132P]
(g) The permittee shall maintain and operate the source and control device in accordance with the manufacturer's specifications and in accordance with good air pollution control practices.

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: 107 Source Name: SYSTEM 7, MAT REJECT

Source Capacity/Throughput: 38.000 Th Bd Ft/HR WOOD FIBERS

Conditions for this source occur in the following groups: 01 - BAT FOR APPROVALS AFTER 2004
02 - TESTING REQUIREMENTS

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The filterable particulate matter emissions in the exhaust of the control device shall not exceed 0.004 grains per dry standard cubic foot of effluent gas.

(b) There shall be no visible air contaminant emissions from the exhaust of the control device.

[Paragraphs (a) and (b) are from Plan approval 16-132O. Paragraph (a) is also from plan approval 16-132B.]

 # 002 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The total volatile organic compound (VOC) emissions from System 7 (Mat Reject) shall not exceed the following.

(1) 0.83 lbs/hr; and
(2) 3.44 tpy based on a consecutive 12-month period.

[From Plan Approval 16-132H]

II. TESTING REQUIREMENTS.

 # 003 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) [The requirement from Plan approval 16-132O, Section D, Source 107, Condition #002(a) for an initial stack test for filterable PM emission rate was completed on March 17, 2020.]

(b) If, at any time, the Department has reason to believe that the air contaminant emissions from the source are, or may be, in excess of any applicable air contaminant emission limitation, the owner or operator shall conduct stack tests as are deemed necessary by the Department to determine the actual air contaminant emission rate. The owner or operator shall perform any such testing in accordance with the applicable provisions of 25 Pa. Code, Chapter 139 (relating to sampling and testing) as well as in accordance with any additional requirements or conditions established by the Department at the time the owner or operator is notified, in writing, of the need to conduct testing.

(c) [Deleted based on Plan Approval 16-132Q].

[From plan approval 16-132O, as amended with the 2022 issuance of the Title V operating permit renewal.]

 # 004 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Within 12 to 18 months prior to the expiration of the facility operating permit, a stack test for VOC shall be performed in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection. The stack test shall be performed while the aforementioned source is operating at the maximum or normal rated capacity as indicated in the plan approval application. The stack test shall be conducted at the following location:

- Outlet of Mat Reject/Recycle Baghouse (Source 107)

SECTION D. Source Level Requirements

[From Plan Approval 16-132H, Section C, Condition # 003.]

III. MONITORING REQUIREMENTS.

 # 005 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The permittee shall adhere to the control device's approved indicator range so that operation within the range shall provide reasonable assurance of compliance. The indicator ranges must be approved by the Department. The following indicator ranges shall be determined during the initial performance test or any subsequent Department approved performance tests unless otherwise stated:

(1) The permittee shall develop an indicator range for airflow, measured as fan amperage or frequency, during their most recent department approved stack testing program.

(2) The permittee shall develop a maximum and minimum pressure drop indicator range, as measured across the baghouse filtration media.

(3) Triboelectric leak detection status/value.

(b) The permittee may develop a new pressure drop range with a supported request which is reviewed and approved by the Department.

(c) The Department, at its discretion, may approve or deny a request to adjust the required indicator ranges.

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

(1) The permittee shall maintain detectors or sensors at Department approved locations for obtaining data that is representative of the monitored indicator.

(2) The permittee shall maintain verification procedures to confirm that the operational status of the monitoring devices is within the expected range. (Operational status pertains to the accuracy of the measured values.)

(3) For QA/QC purposes, the permittee shall calibrate and check the accuracy of the monitoring equipment, according to the manufacturer's recommended procedures.

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

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

[From plan approval 16-132O]

[Compliance with these monitoring requirements from plan approval 16-132O assures compliance with the CAM provisions of 40 CFR Part 64.]

IV. RECORDKEEPING REQUIREMENTS.

 # 006 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[Plan Approval 16-132Q]
(a) All recordkeeping shall commence upon startup of the source/control device. All records shall be kept for a period of five (5) years and shall be made available to the Department upon request.

SECTION D. Source Level Requirements

[Plan Approval 16-132Q]
(b) The permittee shall record the following operational data from the control device (these records may be done with strip charts recorders, data acquisition systems, or manual log entries):

1. Pressure drop across the baghouse - daily defined as once per calendar day

2. Visible emission check - daily defined as once per calendar day (weekly defined as once per calendar week or monthly defined as once per calendar month)

3. Triboelectric leak detection system status - daily defined as once per calendar day

4. The baghouse airflow or fan amperage/frequency - daily defined as once per calendar day

[Plan Approval 16-132O]
(c) Manual log entries shall include the following:

1. Time and date of observation

2. Name, title, and signature of the person making the observation

3. Any corrective action taken as result of the observation

[Plan Approval 16-132O]
(d) The permittee shall maintain a quarterly inventory of the number of spare filter cartridges onsite.

[Plan Approval 16-132O]
(e) The permittee shall record all excursions from the specified operational parameters for the control devices, the corrective actions taken in response to an excursion, and the time elapsed until the corrective actions have been taken.

[Plan Approval 16-132O]
(f) The permittee shall maintain records of all monitoring downtime incidents (other than downtime associated with monitoring system checks). The permittee shall also record the dates, times and durations, probable causes and corrective actions taken for the incidents.

[Plan Approval 16-132O]
(g) The permittee shall maintain records of all preventative maintenance, repairs, and inspections performed on the sources, monitoring equipment, and control devices. These records shall contain the following at a minimum:

1. Time and date of the task

2. Name, title, and initials of the person performing the task

3. A detailed description any maintenance / inspection / repair performed

4. Any problems or defects found

5. Any corrective action taken as result of the task

[Plan Approval 16-132H]
(h) Records shall be maintained of the VOC emissions monthly.

[Plan Approval 16-132H]
(i) Records shall be maintained of the number of board feet produced monthly.

SECTION D. Source Level Requirements

V. REPORTING REQUIREMENTS.

 # 007 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

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

(b) The permittee shall report all monitoring downtime incidents, their dates, times and durations, probable causes and corrective actions taken, every 6 months.

[From plan approval 16-132O]

VI. WORK PRACTICE REQUIREMENTS.

 # 008 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[Plan Approval 16-132Q]
(a) The permittee shall perform a daily operational inspection of the control device. As part of this operational inspection the facility shall monitor the pressure drop across the baghouse, verify the bag leak detection system is operating, and shall conduct a visible emission (VE) observation of the baghouse stack. The VE observation shall be 60 seconds in length with reading every 15 seconds. If any visible emissions are observed, the facility shall perform one of the following:

1. A Method 9 observation using a certified observer (60 minutes in duration) shall be conducted to determine compliance with the opacity limitations - or

2. The facility shall immediately commence shutdown of the source/control device in accordance with the Department approved shutdown procedure.

[Plan Approval 16-132Q]
(b) The permittee shall install and operate a bag leak detection system.

[Plan Approval 16-132Q]
(c) The permittee shall perform a monthly preventive maintenance inspection of the control device.

[Plan Approval 16-132Q]
(d) A magnehelic gauge or equivalent shall be maintained and operated to monitor the pressure differential across the baghouse. All gauges employed shall have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent (+/- 2%) of full scale reading.

[Plan Approval 16-132Q]
(e) The permittee shall adhere to the approved indicator range for the baghouse 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. The approved indicator range for the following shall be determined during the initial performance test or any subsequently approved performance tests unless otherwise stated:

1. Pressure drop: 1.0 to 7.0 inches water gage or as established during compliant testing

2. Opacity less than or equal to 10%

3. Airflow or fan amperage/frequency: The range shall be between 200 and 300 amps. An excursion shall be defined as any 15 minute period below 200 amps or over 300 amps. If more than 3 excursions occur in a 3 month period, the facility shall submit a Quality Improvement Plan.

The permittee, with prior Departmental approval, may conduct additional performance tests to determine a new pressure drop range. Within 24-hours of discovery of a reading outside of the prescribed range the permittee shall perform a maintenance inspection on the control device and take corrective action. Records of all maintenance inspections on the control device, and corrective actions taken, shall be maintained on site for a minimum period of five years. In the event of

SECTION D. Source Level Requirements

more than one documented excursion outside the prescribed range in any calendar quarter the permittee shall submit a corrective measure plan to the Department. Corrective measures may include an increase of the frequency of required preventative maintenance inspections of the control device, a modification of the prescribed range, or other appropriate action as approved by the Department. Upon receipt of a corrective measure plan the Department shall determine the appropriate corrective measure on a case-by case basis.

[Plan Approval 16-132Q]
(f) The permittee shall operate the control device at all times that the source is in operation.

[Plan Approval 16-132H]
(g) The permittee shall maintain and operate the source and control device in accordance with the manufacturer's specifications and in accordance with good air pollution control practices.

[Plan Approval 16-132B]
(h) For each fabric collector, twenty percent of the total number of bags in the baghouse is required to be on hand for replacement as necessary.

 # 009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall operate the control device at all times that the source is in operation.

VII. ADDITIONAL REQUIREMENTS.

 # 010 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The permittee shall develop and implement a Quality Improvement Plan (QIP) as expeditiously as practicable within 60 days if any of the following occurs:
(1) For properly and accurately collected data, accumulated excursions exceeding two percent (2%) of the data.
(2) Six excursions occur in a 6 month reporting period.
(3) The Department determines after review of all reported information that the permittee has not responded acceptably to an excursion.

(b) The permittee shall provide a copy of the QIP to the Department once it is developed. The permittee shall notify the Department if the period for completing the improvements contained in the QIP exceeds 180 days from the date on which the need to implement the QIP was determined.

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

(d) In accordance with 40 CFR § 64.8, the QIP shall include procedures for evaluating control performance problems. Based on the results of the evaluation procedures, the permittee shall modify the QIP and provide the Department with a copy, to include procedures for conducting more frequent, or improved, monitoring in conjunction with one or more of the following:
(1) Improved preventive maintenance practices;
(2) Process operation changes;
(3) Appropriate improvements to the control methods;
(4) Other steps appropriate to correct performance.

(e) Following implementation of a QIP, the Department will require reasonable revisions to the QIP if the plan has failed to either:
(1) Address the cause of the control device performance problem.
(2) Provide adequate procedures for correcting control device performance problems in as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.

(f) Implementation of a QIP, shall not excuse the permittee from compliance with any existing emission limitation or standard or any existing monitoring, testing, reporting or recordkeeping requirements that may apply under any federal,

SECTION D. Source Level Requirements

state, or local laws or any other applicable requirements under the Clean Air Act. [From plan approval 16-132O]

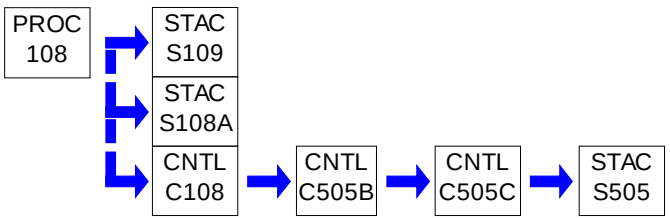
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 108 Source Name: CONTINUOUS PRESS SYSTEM

Source Capacity/Throughput: 1.000 Th Sq Ft/HR WOOD FIBER MAT

Conditions for this source occur in the following groups: 01 - BAT FOR APPROVALS AFTER 2004



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.

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The press enclosure shall be maintained and operated in compliance with EPA Method 204 - "Criteria for and verification
of a permanent or temporary total enclosure".

(b) The exhaust gasses from the enclosure shall be ducted to the Regenerative Thermal Oxidizer (RTO).

[Paragraphs (a) and (b) are from plan approval 16-132B Condition # 13.]

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

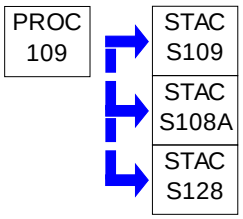
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 109 Source Name: COOLING & STORAGE AREAS WITH BUILDING VENTS

Source Capacity/Throughput: 20.700 Th Bd Ft/HR MDF

Conditions for this source occur in the following groups: 01 - BAT FOR APPROVALS AFTER 2004
02 - TESTING REQUIREMENTS
07 - 16-132L



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The total volatile organic compound (VOC) emissions shall not exceed the following:

(1) MDF Press Building Vent (Source 28): 1.14 lb/hr or 4.72 tpy based on a consecutive 12-month period [This condition replaces the previous limit of 0.63 lb/hr VOC or 2.6 tpy VOC]

(2) MDF Press Building Vent (Source 9): 0.85 lb/hr or 3.52 tpy based on a consecutive 12-month period [This condition replaces the previous limit of 0.97 lb/hr VOC or 4.0 tpy VOC]

(3) MDF Press Building Vent (Source 8): 0.54 lb/hr or 2.24 tpy based on a consecutive 12-month period [This condition replaces the previous limit of 0.83 lb/hr VOC or 3.4 tpy VOC]

[Paragraph (a) is from Plan Approval 16-132H.]

(b) The particulate emission rate from each of the vents shall not exceed the following:

(1) MDF Press Building Vent (Source 28): 0.26 lb/hr or 1.1 tpy based on a consecutive 12-month period

(2) MDF Press Building Vent (Source 9): 0.41 lb/hr or 1.7 tpy based on a consecutive 12-month period

(3) MDF Press Building Vent (Source 8): 0.41 lb/hr or 1.7 tpy based on a consecutive 12-month period

[Paragraph (b) is from Plan Approval 16-132B]

 # 002 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[Plan Approval 16-132L]

The Projected Actual Emissions are the following:

1. NOx: 4.690 tpy based on a 12-month consecutive period;

2. VOC: 2.767 tpy based on a 12-month consecutive period.

[The projected actual emissions are also from plan approval 16-132Q issued on October 13, 2022.]

SECTION D. Source Level Requirements

II. TESTING REQUIREMENTS.

 # 003 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Within 6 to 12 months prior to the expiration of the facility operating permit, a stack test for VOC (NMOC) shall be performed. The stack test shall be performed while the aforementioned source is operating at the maximum or normal rated capacity as stated on the application for plan approval. The stack test shall be conducted at the following locations:

(1) Press In-Feed Vent (S108);

(2) Press Out-Feed Vent (S109); and

(3) Board Storage & Building Vent (S128).

[From Plan approval 16-132H, Section C, Condition #003(b)(4)-(6) for the Press In-Feed Vent (S108) and the Press Out-Feed Vent (S109) and Board Storage & Building Vent (S128), as amended with the 2022 issuance of the Title V operating permit renewal to change the testing due date from "within 12 to 18 months" to "within 6 to 12 months".]

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.

(a) Records shall be maintained of the following

(1) Monthly VOC emissions; and

(2) The number of board feet produced monthly.

(b) Recordkeeping shall commence at the time of the start-up of each source and/or air cleaning device and shall be maintained for at least 5 years.

[Conditions (a) and (b) are derived from Plan Approval 16-132H.]

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

 # 005 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The source shall be maintained and operated in accordance with the manufacturer's specifications and in accordance with good air pollution control practices.

[From Plan Approval 16-132H]

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: 110 Source Name: SYSTEM 10 - DIAGONAL/SPLITTER/CUT-OFF SAWS

Source Capacity/Throughput: 20.000 Th Bd Ft/HR MDF

Conditions for this source occur in the following groups: 01 - BAT FOR APPROVALS AFTER 2004
02 - TESTING REQUIREMENTS
07 - 16-132L

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) Emissions shall comply with 25 PA Code 123.1, 123.31, & 123.41 for fugitive, odor, and visible emissions respectively.

(b) No person may permit the emission into the outdoor atmosphere of particulate matter in a manner that the concentration of total particulate matter (both filterable and condensable) in the effluent gas exceeds 0.004 grain per dry standard cubic foot.

(c) Emissions from C110B shall not exceed the following:

(1) PM: 1.05 lb/hr (both filterable and condensable)

(2) PM: 4.60 tpy (both filterable and condensable) based on a 12-month rolling total

(3) PM10: 1.05 lb/hr

(4) PM10: 4.60 tpy based on a 12-month rolling total

(5) PM2.5: 1.05 lb/hr

(6) PM2.5: 4.60 tpy based on a 12-month rolling total.

(d) The total volatile organic compound (VOC) emissions shall not exceed the following.

(1) System 10 (Hogger/Cut Saws):
(a) 1.75 lb/hr; and
(b) 7.25 tpy based on a consecutive 12-month period.

(2) System 13 (Splitter/Cut/Trim Saws):
(a) 0.15 lb/hr; and
(b) 0.62 tpy based on a consecutive 12-month period.

[Paragraphs (a) through (c) are from Plan Approval 16-132M. Paragraphs (a) through (c) are also from plan approval 16-132P. Paragraph (b) is also from plan approval 16-132B. Paragraph (d) is from plan approval 16-132H.]

 # 002 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[Plan Approval 16-132L]

The Projected Actual Emissions are the following:

- VOC: 2.078 tpy based on a 12-month consecutive period.

SECTION D. Source Level Requirements

[The projected actual emissions are also from plan approval 16-132P issued on April 28, 2020, and from plan approval 16-132Q issued on October 13, 2022.]

 # 003 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[Plan Approval 16-132L]

The Projected Actual Emissions are the following:

- VOC: 2.078 tpy based on a 12-month consecutive period.

[The projected actual emissions are also from plan approval 16-132P issued on April 28, 2020.]

II. TESTING REQUIREMENTS.

 # 004 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) [The requirement from Plan approval 16-132P, Section D, Source 110, Condition #002(a) for an initial stack test for total particulate matter was completed on January 20, 2020.]

(b) [Deleted based on Plan Approval 16-132Q].

[Paragraphs (a) and (b) are from plan approval 16-132M. Paragraphs (a) and (b) are also from plan approval 16-132P.]

 # 005 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Within 12 to 18 months prior to the expiration of the facility operating permit, a stack test for VOC shall be performed in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection. The stack test shall be performed while the aforementioned source is operating at the maximum or normal rated capacity as indicated in the plan approval application. The stack test shall be conducted at the following location:

- Splitter & Cut-Off Sawdust Baghouse (Source 110)

[From Plan Approval 16-132H, Section C, Condition # 003.]

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

 # 006 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) Recordkeeping shall commence at the time of the start-up of each source and/or air cleaning device.

(b) Monthly records shall be maintained of the VOC emissions.

(c) Records shall be maintained of the number of board feet produced monthly.

(d) The permittee shall maintain a record of all preventive maintenance inspections of the control device. These records shall include, at a minimum, the following:

(1) the dates of the inspections,
(2) the name of the person performing the inspection,
(3) any problems or defects identified,

SECTION D. Source Level Requirements

(4) any actions taken to correct the problems or defects, and
(5) any routine maintenance performed.

(e) The permittee shall record the following operational data from the baghouse (these records may be done with strip charts recorders, data acquisition systems, or manual log entries):

(1) Pressure differential - daily defined as once per calendar day; and

(2) Visible emission check - daily defined as once per calendar day.

(3) Verification of bag leak detection system is operating.

(f) All records shall be kept for a period of 5 years and shall be made available to the Department upon request.

[Paragraphs (a) through (c) are from Plan Approval 16-132H. Paragraphs (a) and (d) through (f) are from plan approval 16-132M. Paragraphs (a) and (d) through (f) are also from plan approval 16-132P. Paragraph (e)(3) is from plan approval 16-132Q]

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.

[Plan Approval 16-132Q]
(a) The permittee shall perform a daily operational inspection of the control device. As part of this operational inspection the facility shall monitor the pressure drop across the baghouse, verify the bag leak detection system is operating, and shall conduct a visible emission (VE) observation of the baghouse stack. The VE observation shall be 60 seconds in length with reading every 15 seconds. If any visible emissions are observed, the facility shall perform one of the following:

1. A Method 9 observation using a certified observer (60 minutes in duration) shall be conducted to determine compliance with the opacity limitations - or

2. The facility shall immediately commence shutdown of the source/control device in accordance with the Department approved shutdown procedure.

[Plan Approval 16-132Q]
(b) The permittee shall install and operate a bag leak detection system.

[Plan Approval 16-132M]
(c) The permittee shall perform a monthly preventive maintenance inspection of the control device.

[Plan Approval 16-132M]
(d) A magnehelic gauge or equivalent shall be maintained and operated to monitor the pressure differential across the baghouse. All gauges employed shall have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent (+/- 2%) of full scale reading.

[Plan Approval 16-132M]
(e) The permittee shall adhere to the approved indicator range for the baghouse 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. The approved indicator range for the following shall be determined during the initial performance test or any subsequently approved performance tests unless otherwise stated:

SECTION D. Source Level Requirements

1. Pressure drop: 1.0 to 7.0 inches water gage or as established during compliant testing

2. Opacity less than or equal to 10%

The permittee, with prior Departmental approval, may conduct additional performance tests to determine a new pressure drop range. Within 24-hours of discovery of a reading outside of the prescribed range the permittee shall perform a maintenance inspection on the control device and take corrective action. Records of all maintenance inspections on the control device, and corrective actions taken, shall be maintained on site for a minimum period of five years. In the event of more than one documented excursion outside the prescribed range in any calendar quarter the permittee shall submit a corrective measure plan to the Department. Corrective measures may include an increase of the frequency of required preventative maintenance inspections of the control device, a modification of the prescribed range, or other appropriate action as approved by the Department. Upon receipt of a corrective measure plan the Department shall determine the appropriate corrective measure on a case-by case basis.

[Plan Approval 16-132M]
(f) The permittee shall operate the control device at all times that the source is in operation.

[Plan Approval 16-132M]
(g) The permittee shall maintain and operate the source and control device in accordance with the manufacturer's specifications and in accordance with good air pollution control practices.

[Plan Approval 16-132B]
(h) For each fabric collector, twenty percent of the total number of bags in the baghouse is required to be on hand for replacement as necessary.

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: 111 Source Name: PRIMARY SANDER SYSTEM

Source Capacity/Throughput: 25.000 Th Bd Ft/HR MDF

Conditions for this source occur in the following groups: 01 - BAT FOR APPROVALS AFTER 2004
02 - TESTING REQUIREMENTS
07 - 16-132L

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) Emissions shall comply with 25 PA Code 123.1, 123.31, & 123.41 for fugitive, odor, and visible emissions respectively.

(b) No person may permit the emission into the outdoor atmosphere of particulate matter in a manner that the concentration of total particulate matter (both filterable and condensable) in the effluent gas exceeds 0.004 grain per dry standard cubic foot.

(c) Emissions from Source 111 & Source 112 shall not exceed the following. [Note that Sources 111 & 112 share a dust collector.]

(1) PM: 3.23 lb/hr (both filterable and condensable)

(2) PM: 7.07 tpy (both filterable and condensable) based on a 12-month rolling total

(3) PM10: 3.23 lb/hr

(4) PM10: 7.07 tpy based on a 12-month rolling total

(5) PM2.5: 3.23 lb/hr

(6) PM2.5: 7.07 tpy based on a 12-month rolling total.

(d) The total volatile organic compound (VOC) emissions from System 11 (Primary Sander) shall not exceed the following:
(1) VOC: 0.59 lb/hr;
(2) VOC: 2.44 tpy based on a consecutive 12-month period

[Conditions (a) through (c) are from Plan Approval 16-132M. Condition (b) is also from plan approval 16-132B. Condition (d) is from plan approval 16-132H.]

 # 002 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[Plan Approval 16-132L]

The Projected Actual Emissions from Source 111 & Source 112 are the following:

- VOC: 1.229 tpy based on a 12-month consecutive period

[The projected actual emissions are also from plan approval 16-132Q issued on October 13, 2022.]

SECTION D. Source Level Requirements

II. TESTING REQUIREMENTS.

 # 003 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) [The requirement from Plan approval 16-132M, Section D, Source 111, Condition #002(a) for an initial stack test for total particulate matter was completed on September 24, 2019.]

(b) [Deleted based on Plan Approval 16-132Q].

[From Plan Approval 16-132M]

 # 004 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Within 12 to 18 months prior to the expiration of the facility operating permit, a stack test for VOC shall be performed in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection. The stack test shall be performed while the aforementioned source is operating at the maximum or normal rated capacity as indicated in the plan approval application. The stack test shall be conducted at the following location:

- Primary Sander Dust Baghouse (Source 111)

[From Plan Approval 16-132H, Section C, Condition # 003.]

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.

 # 005 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) Recordkeeping shall commence at the time of the start-up of each source and/or air cleaning device.

(b) Monthly records shall be maintained of the VOC emissions.

(c) Records shall be maintained of the number of board feet produced monthly.

(d) The permittee shall maintain a record of all preventive maintenance inspections of the control device. These records shall include, at a minimum, the following:

(1) the dates of the inspections,
(2) the name of the person performing the inspection,
(3) any problems or defects identified,
(4) any actions taken to correct the problems or defects, and
(5) any routine maintenance performed.

(e) The permittee shall record the following operational data from the baghouse (these records may be done with strip charts recorders, data acquisition systems, or manual log entries):

(1) Pressure differential - daily defined as once per calendar day; and

(2) Visible emission check - daily defined as once per calendar day.

(3) Verification of bag leak detection system is operating

(f) All records shall be kept for a period of 5 years and shall be made available to the Department upon request.

[Paragraphs (a) through (c) are from Plan Approval 16-132H. Paragraphs (a) and (d) through (f) are from plan approval 16-

SECTION D. Source Level Requirements

132M. Paragraph (e)(3) is from Plan Approval 16-132Q.]

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

 # 006 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[Plan Approval 16-132Q]
(a) The permittee shall perform a daily operational inspection of the control device. As part of this operational inspection the facility shall monitor the pressure drop across the baghouse, verify the bag leak detection system is operating, and shall conduct a visible emission (VE) observation of the baghouse stack. The VE observation shall be 60 seconds in length with reading every 15 seconds. If any visible emissions are observed, the facility shall perform one of the following:

1. A Method 9 observation using a certified observer (60 minutes in duration) shall be conducted to determine compliance with the opacity limitations - or

2. The facility shall immediately commence shutdown of the source/control device in accordance with the Department approved shutdown procedure.

[Plan Approval 16-132Q]
(b) The permittee shall install and operate a bag leak detection system.

[Plan Approval 16-132M]
(c) The permittee shall perform a monthly preventive maintenance inspection of the control device.

[Plan Approval 16-132M]
(d) A magnehelic gauge or equivalent shall be maintained and operated to monitor the pressure differential across the baghouse. All gauges employed shall have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent (+/- 2%) of full scale reading.

[Plan Approval 16-132M]
(e) The permittee shall adhere to the approved indicator range for the baghouse 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. The approved indicator range for the following shall be determined during the initial performance test or any subsequently approved performance tests unless otherwise stated:

1. Pressure drop: 1.0 to 7.0 inches water gage or as established during compliant testing

2. Opacity less than or equal to 10%

The permittee, with prior Departmental approval, may conduct additional performance tests to determine a new pressure drop range. Within 24-hours of discovery of a reading outside of the prescribed range the permittee shall perform a maintenance inspection on the control device and take corrective action. Records of all maintenance inspections on the control device, and corrective actions taken, shall be maintained on site for a minimum period of five years. In the event of more than one documented excursion outside the prescribed range in any calendar quarter the permittee shall submit a corrective measure plan to the Department. Corrective measures may include an increase of the frequency of required preventative maintenance inspections of the control device, a modification of the prescribed range, or other appropriate action as approved by the Department. Upon receipt of a corrective measure plan the Department shall determine the appropriate corrective measure on a case-by case basis.

SECTION D. Source Level Requirements

[Plan Approval 16-132M]
(f) The permittee shall operate the control device at all times that the source is in operation.

[Plan Approval 16-132M]
(g) The permittee shall maintain and operate the source and control device in accordance with the manufacturer's specifications and in accordance with good air pollution control practices.

[Plan Approval 16-132B]
(h) For each fabric collector, twenty percent of the total number of bags in the baghouse is required to be on hand for replacement as necessary.

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: 112 Source Name: SECONDARY SANDER SYSTEM

Source Capacity/Throughput: 25.000 Th Bd Ft/HR MDF

Conditions for this source occur in the following groups: 01 - BAT FOR APPROVALS AFTER 2004
02 - TESTING REQUIREMENTS
07 - 16-132L

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) Emissions shall comply with 25 PA Code 123.1, 123.31, & 123.41 for fugitive, odor, and visible emissions respectively.

(b) No person may permit the emission into the outdoor atmosphere of particulate matter in a manner that the concentration of total particulate matter (both filterable and condensable) in the effluent gas exceeds 0.004 grain per dry standard cubic foot.

(c) Emissions from Source 112 & Source 111 shall not exceed the following:

(1) PM: 3.23 lb/hr (both filterable and condensable)

(2) PM: 7.07 tpy (both filterable and condensable) based on a 12-month rolling total

(3) PM10: 3.23 lb/hr

(4) PM10: 7.07 tpy based on a 12-month rolling total

(5) PM2.5: 3.23 lb/hr

(6) PM2.5: 7.07 tpy based on a 12-month rolling total

(d) The total volatile organic compound (VOC) emissions from the System 12 (Secondary Sander) shall not exceed the following.

(1) 0.53 lb/hr

(2) 2.19 tpy based on a consecutive 12-month period

[Paragraphs (a) through (c) are from Plan Approval 16-132M. Paragraph (b) is also from plan approval 16-132B. Paragraph (d) is from plan approval 16-132H.]

 # 002 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[Plan Approval 16-132L]

The Projected Actual Emissions from Source 111 & Source 112 are the following:

- VOC: 1.229 tpy based on a 12-month consecutive period

[The projected actual emissions are also from plan approval 16-132Q issued on October 13, 2022.]

SECTION D. Source Level Requirements

II. TESTING REQUIREMENTS.

 # 003 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) [The requirement from Plan approval 16-132M, Section D, Source 112, Condition #002(a) for an initial stack test for total particulate matter was completed on September 24, 2019.]

(b) [Deleted based on Plan Approval 16-132Q].

[From Plan Approval 16-132M.]

 # 004 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Within 12 to 18 months prior to the expiration of the facility operating permit, a stack test for VOC shall be performed in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection. The stack test shall be performed while the aforementioned source is operating at the maximum or normal rated capacity as indicated in the plan approval application. The stack test shall be conducted at the following location:

- Secondary Sander Dust Baghouse (Source 112)

[From Plan Approval 16-132H, Section C, Condition # 003.]

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.

 # 005 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) Recordkeeping shall commence at the time of the start-up of each source and/or air cleaning device.

(b) Monthly records shall be maintained of the VOC emissions.

(c) Records shall be maintained of the number of board feet produced monthly.

(d) The permittee shall maintain a record of all preventive maintenance inspections of the control device. These records shall include, at a minimum, the following:

(1) the dates of the inspections,
(2) the name of the person performing the inspection,
(3) any problems or defects identified,
(4) any actions taken to correct the problems or defects, and
(5) any routine maintenance performed.

(e) The permittee shall record the following operational data from the baghouse (these records may be done with strip charts recorders, data acquisition systems, or manual log entries):

(1) Pressure differential - daily defined as once per calendar day; and

(2) Visible emission check - daily defined as once per calendar day.

(3) Verification of bag leak detection system is operating.

(f) All records shall be kept for a period of 5 years and shall be made available to the Department upon request.

[Paragraphs (a) through (c) are from Plan Approval 16-132H. Paragraphs (a) and (d) through (f) are from plan approval 16-

SECTION D. Source Level Requirements

132M. Paragraph (e)(3) is from Plan Approval 16-132Q.]

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

 # 006 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[Plan Approval 16-132Q]
(a) The permittee shall perform a daily operational inspection of the control device. As part of this operational inspection the facility shall monitor the pressure drop across the baghouse, verify the bag leak detection system is operating, and shall conduct a visible emission (VE) observation of the baghouse stack. The VE observation shall be 60 seconds in length with reading every 15 seconds. If any visible emissions are observed, the facility shall perform one of the following:

1. A Method 9 observation using a certified observer (60 minutes in duration) shall be conducted to determine compliance with the opacity limitations - or

2. The facility shall immediately commence shutdown of the source/control device in accordance with the Department approved shutdown procedure.

[Plan Approval 16-132Q]
(b) The permittee shall install and operate a bag leak detection system.

[Plan Approval 16-132M]
(c) The permittee shall perform a monthly preventive maintenance inspection of the control device.

[Plan Approval 16-132M]
(d) A magnehelic gauge or equivalent shall be maintained and operated to monitor the pressure differential across the baghouse. All gauges employed shall have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent (+/- 2%) of full scale reading.

[Plan Approval 16-132M]
(e) The permittee shall adhere to the approved indicator range for the baghouse 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. The approved indicator range for the following shall be determined during the initial performance test or any subsequently approved performance tests unless otherwise stated:

1. Pressure drop: 1.0 to 7.0 inches water gage or as established during compliant testing

2. Opacity less than or equal to 10%

The permittee, with prior Departmental approval, may conduct additional performance tests to determine a new pressure drop range. Within 24-hours of discovery of a reading outside of the prescribed range the permittee shall perform a maintenance inspection on the control device and take corrective action. Records of all maintenance inspections on the control device, and corrective actions taken, shall be maintained on site for a minimum period of five years. In the event of more than one documented excursion outside the prescribed range in any calendar quarter the permittee shall submit a corrective measure plan to the Department. Corrective measures may include an increase of the frequency of required preventative maintenance inspections of the control device, a modification of the prescribed range, or other appropriate action as approved by the Department. Upon receipt of a corrective measure plan the Department shall determine the appropriate corrective measure on a case-by case basis.

SECTION D. Source Level Requirements

[Plan Approval 16-132M]
(f) The permittee shall operate the control device at all times that the source is in operation.

[Plan Approval 16-132M]
(g) The permittee shall maintain and operate the source and control device in accordance with the manufacturer's specifications and in accordance with good air pollution control practices.

[Plan Approval 16-132B]
(h) For each fabric collector, twenty percent of the total number of bags in the baghouse is required to be on hand for replacement as necessary.

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: 113 Source Name: SYSTEM 13 - FINISHING & BOLSTER SAWS

Source Capacity/Throughput: 20.000 Th Bd Ft/HR MDF

Conditions for this source occur in the following groups: 01 - BAT FOR APPROVALS AFTER 2004

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) Emissions shall comply with 25 PA Code 123.1, 123.31, & 123.41 for fugitive, odor, and visible emissions respectively.

(b) No person may permit the emission into the outdoor atmosphere of particulate matter in a manner that the concentration of total particulate matter (both filterable and condensable) in the effluent gas exceeds 0.004 grain per dry standard cubic foot.

(c) Emissions from C113 shall not exceed the following:

(1) PM: 0.71 #/hr (both filterable and condensable)

(2) PM: 3.11 tpy (both filterable and condensable) based on a 12-month rolling total

(3) PM10: 0.71 #/hr

(4) PM10: 3.11 tpy based on a 12-month rolling total

(5) PM2.5: 0.71 #/hr

(6) PM2.5: 3.11 tpy based on a 12-month rolling total

[From Plan Approval 16-132M. Paragraphs (a) through (d) are also from plan approval 16-132P.]

 # 002 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The Projected Actual Emissions are the following:

• VOC: 2.078 tpy based on a 12-month consecutive period.

[From Plan Approval 16-132P, Section D, Source 113, Condition #001(d) and from plan approval 16-132Q issued on October 13, 2022.]

II. TESTING REQUIREMENTS.

 # 003 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) [The requirement from Plan approval 16-132P, Section D, Source 113, Condition #002(a) for an initial stack test for total particulate matter was completed on January 20, 2020.]

(b) [Deleted based on Plan Approval 16-132Q].

[Paragraphs (a) and (b) are from Plan Approval 16-132M, Section D, Source 110, Condition # 002 for dust collector C110A

SECTION D. Source Level Requirements

and from Plan Approval 16-132P, Section D, Source 113, Condition # 002 for dust collector C110A. Dust collector C110A is renamed C113 at the 2022 TV operating permit renewal.]

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.

(a) All recordkeeping shall commence upon startup of the source/control device.

(b) The permittee shall maintain a record of all preventive maintenance inspections of the control device. These records shall include, at a minimum, the following:

(1) the dates of the inspections,
(2) the name of the person performing the inspection,
(3) any problems or defects identified,
(4) any actions taken to correct the problems or defects, and
(5) any routine maintenance performed.

(c) The permittee shall record the following operational data from the baghouse (these records may be done with strip charts recorders, data acquisition systems, or manual log entries):

(1) Pressure differential - daily defined as once per calendar day; and

(2) Visible emission check - daily defined as once per calendar day.

(3) Verification of bag leak detection system is operating.

(d) All records shall be kept for a period of 5 years and shall be made available to the Department upon request.

[Paragraphs (a) through (d) are from plan approvals 16-132M and 16-132P. Dust collector C110A is renamed C113 at the 2022 TV operating permit renewal. Pagragraph (c)(3) is from plan approval 16-132Q.]

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

 # 005 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[Plan Approval 16-132Q]
(a) The permittee shall perform a daily operational inspection of the control device. As part of this operational inspection the facility shall monitor the pressure drop across the baghouse, verify the bag leak detection system is operating, and shall conduct a visible emission (VE) observation of the baghouse stack. The VE observation shall be 60 seconds in length with reading every 15 seconds. If any visible emissions are observed, the facility shall perform one of the following:

1. A Method 9 observation using a certified observer (60 minutes in duration) shall be conducted to determine compliance with the opacity limitations - or

SECTION D. Source Level Requirements

2. The facility shall immediately commence shutdown of the source/control device in accordance with the Department approved shutdown procedure.

[Plan Approval 16-132Q]
(b) The permittee shall install and operate a bag leak detection system.

[Plan Approval 16-132M]
(c) The permittee shall perform a monthly preventive maintenance inspection of the control device.

[Plan Approval 16-132M]
(d) A magnehelic gauge or equivalent shall be maintained and operated to monitor the pressure differential across the baghouse. All gauges employed shall have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent (+/- 2%) of full scale reading.

[Plan Approval 16-132M]
(e) The permittee shall adhere to the approved indicator range for the baghouse 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. The approved indicator range for the following shall be determined during the initial performance test or any subsequently approved performance tests unless otherwise stated:

1. Pressure drop: 1.0 to 7.0 inches water gage or as established during compliant testing

2. Opacity less than or equal to 10%

The permittee, with prior Departmental approval, may conduct additional performance tests to determine a new pressure drop range. Within 24-hours of discovery of a reading outside of the prescribed range the permittee shall perform a maintenance inspection on the control device and take corrective action. Records of all maintenance inspections on the control device, and corrective actions taken, shall be maintained on site for a minimum period of five years. In the event of more than one documented excursion outside the prescribed range in any calendar quarter the permittee shall submit a corrective measure plan to the Department. Corrective measures may include an increase of the frequency of required preventative maintenance inspections of the control device, a modification of the prescribed range, or other appropriate action as approved by the Department. Upon receipt of a corrective measure plan the Department shall determine the appropriate corrective measure on a case-by case basis.

[Plan Approval 16-132M]
(f) The permittee shall operate the control device at all times that the source is in operation.

[Plan Approval 16-132M]
(g) The permittee shall maintain and operate the source and control device in accordance with the manufacturer's specifications and in accordance with good air pollution control practices.

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).

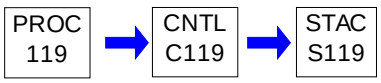
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 119 Source Name: SYSTEM 19 (DRY DUST HANDLING & FUEL FEED SYSTEM)

Source Capacity/Throughput: 1.000 Tons/HR DUST

Conditions for this source occur in the following groups: 01 - BAT FOR APPROVALS AFTER 2004



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) Emissions shall comply with 25 PA Code 123.1, 123.31, & 123.41 for fugitive, odor, and visible emissions respectively.

(b) No person may permit the emission into the outdoor atmosphere of particulate matter in a manner that the concentration of total particulate matter (both filterable and condensable) in the effluent gas exceeds 0.0040 grain per dry standard cubic foot.

(c) Emissions shall not exceed the following:

(1) PM: 3.34 tpy based on a 12-month rolling total;

(2) PM10: 3.34 tpy based on a 12-month rolling total; and

(3) PM2.5: 3.34 tpy based on a 12-month rolling total.

[Plan Approval 16-132K]

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.

(a) The permittee shall perform a daily operational inspection of the control devices. As part of this operational inspection the facility:

(1) shall monitor the pressure drop across the cyclones; and

(2) shall conduct a visible emission (VE) observation of the control device (TANN RTO) stack.

(3) The VE observation shall be 60 seconds in length with reading every 15 seconds, and if any visible emissions are observed, a Method 9 observation (30 minutes in duration) shall be conducted to determine compliance with the opacity limitations.

(b) The permittee shall install and operate a bag leak detection system.

(c) The permittee shall perform a monthly preventive maintenance inspection of the control device.

(d) A magnehelic gauge or equivalent shall be maintained and operated to monitor the pressure differential across the

SECTION D. Source Level Requirements

baghouse. All gauges employed shall have a scale such that the expected normal reading shall be no less than 20 percent of full scale and be accurate within plus or minus 2 percent of full scale reading.

(e) The permittee shall adhere to the approved indicator range for the baghouse 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. The approved indicator range for the following shall be determined during the initial performance test or any subsequently approved performance tests unless otherwise stated:

(1) Pressure drop: 1.0 to 7.0 inches water gage or as established during compliant testing

(2) Opacity less than 10%

The permittee, with prior Departmental approval, may conduct additional performance tests to determine a new pressure drop range. Within 24-hours of discovery of a reading outside of the prescribed range the permittee shall perform a maintenance inspection on the control device and take corrective action. Records of all maintenance inspections on the control device, and corrective actions taken, shall be maintained on site for a minimum period of 5 years. In the event of more than one documented excursion outside the prescribed range in any calendar quarter the permittee shall submit a corrective measure plan to the Department. Corrective measures may include an increase of the frequency of required preventative maintenance inspections of the control device, a modification of the prescribed range, or other appropriate action as approved by the Department. Upon receipt of a corrective measure plan the Department shall determine the appropriate corrective measure on a case-by case basis.

[Plan Approval 16-132K. Condition (e) is from Plan Approval 16-132Q.] [Compliance with these monitoring requirements from plan approval 16-132K assures compliance with the CAM provisions of 40 CFR Part 64.]

IV. RECORDKEEPING REQUIREMENTS.

 # 003 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) All recordkeeping shall commence upon startup of the source/control device. All records shall be kept for a period of 5 years and shall be made available to the Department upon request.

(b) The permittee shall maintain a record of all preventive maintenance inspections of the control device. These records shall include, at a minimum, the following:

(1) the dates of the inspections,
(2) the name of the person performing the inspection,
(3) any problems or defects identified,
(4) any actions taken to correct the problems or defects, and
(5) any routine maintenance performed.

(c) The permittee shall record the following operational data from the baghouse (these records may be done with strip charts recorders, data acquisition systems, or manual log entries):

(1) Pressure differential - daily defined as once per calendar day;

(2) Visible emission check - daily defined as once per calendar day (weekly defined as once per calendar week or monthly defined as once per calendar month); and

(3) Verification of bag leak detection system is operating.

[Plan Approval 16-132K]

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.

 # 004 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The permittee shall operate the control device at all times that the source is in operation.

(b) The permittee shall maintain and operate the source and control device in accordance with the manufacturer's specifications and in accordance with good air pollution control practices.

[Plan Approval 16-132K]

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: 122 Source Name: ASH HANDLING SYSTEM

Source Capacity/Throughput: 0.500 Tons/HR ASH

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) Emissions shall comply with 25 PA Code 123.1, 123.31, & 123.41 for fugitive, odor, and visible emissions respectively.

(b) No person may permit the emission into the outdoor atmosphere of particulate matter in a manner that the concentration of total particulate matter (both filterable and condensable) in the effluent gas exceeds 0.0040 grain per dry standard cubic foot.

(c) Emissions shall not exceed the following:

(1) PM: 0.495 tpy based on a 12-month rolling total;

(2) PM10: 0.495 tpy based on a 12-month rolling total;

(3) PM2.5: 0.495 tpy based on a 12-month rolling total.

[Plan Approval 16-132K]

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).

SECTION D. Source Level Requirements

VII. ADDITIONAL REQUIREMENTS.

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

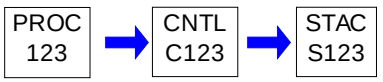
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 123 Source Name: REFINER STARTUP DUMP (ID #23)

Source Capacity/Throughput: 40.700 Tons/HR DUST
25.000 M Bd Ft/HR MDF

Conditions for this source occur in the following groups: 01 - BAT FOR APPROVALS AFTER 2004
07 - 16-132L



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.12b]
Plan approval terms and conditions.

(a) The total volatile organic compound (VOC) emissions from the Refiner Start-up Dump shall not exceed the following:
- 5.80 lbs/hr; and
- 0.29 tpy based on consecutive 12-month periods.

(b) The particulate emissions from the refiner startup dump cyclone shall not exceed the following:
- 10.17 lbs/hr; and
- 0.5085 tpy based on consecutive 12-month periods.

[Paragraphs (a) and (b) of this condition is derived from plan approval 16-132H and from the RFD approved on 1/6/12 to increase the operating hours restriction to 100 hrs per year and is based on the lbs/hr limit from plan approval 16-132H.]

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

[Plan Approval 16-132L]

The Projected Actual Emissions are the following:

- VOC: 0.029 tpy based on a 12-month consecutive period.

[The projected actual emissions are also from plan approval 16-132P, Section D, Source 123, Condition #001(c), issued on April 28, 2020, and from plan approval 16-132Q issued on October 13, 2022.]

Operation Hours Restriction(s).

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

The refiner startup dump cyclone shall be operated for startup purposes only and shall be limited to 100 hours per year.

[This condition is derived from plan approval 16-132H as amended with the RFD approved on 1/6/12 to increase the operating hours restriction to 100 hrs per year.]

II. TESTING REQUIREMENTS.

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

[The VOC (NMOC) testing requirement from Plan approval 16-132H, Section C, Condition #003(b)(10) for the Refiner Startup Dump Cyclone (C123) is removed from the Title V permit as authorized with the issuance of plan approval 16-132Q.]

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.

 # 005 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) Records shall be maintained of the VOC emissions monthly.

(b) Records shall be maintained of the hours of operation monthly.

(c) Records shall be maintained of the amount of fiber dumped monthly.

(d) Recordkeeping shall commence at the time of the start-up of each source and/or air cleaning device and shall be maintained for at least 5 years.

[Conditions (a) through (d) are from Plan Approval 16-132H.]

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

 # 006 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The source shall be maintained and operated in accordance with the manufacturer's specifications and in accordance with good air pollution control practices.

[From Plan Approval 16-132H]

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: 124 Source Name: PARTS WASHER

Source Capacity/Throughput: 0.075 Lbs/HR STODDARD SOLVENT

PROC 124 → STAC Z124

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The total volatile organic compound (VOC) emissions shall not exceed the following:

• Parts Washer: 0.33 tpy based on a consecutive 12-month period

[Plan Approval 16-132H]

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 16-132H]

Records shall be maintained of the part washers VOC emissions monthly.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

 # 003 [25 Pa. Code §129.63]

Degreasing operations

(a) Cold cleaning machines. Except for those subject to the Federal National emissions standards for hazardous air pollutants (NESHAP) for halogenated solvent cleaners under 40 CFR Part 63 (relating to National emission standards for hazardous air pollutants for source categories), this subsection applies to cold cleaning machines that use 2 gallons or more of solvents containing greater than 5% VOC content by weight for the cleaning of metal parts.

(1) Immersion cold cleaning machines shall have a freeboard ratio of 0.50 or greater.

(2) Immersion cold cleaning machines and remote reservoir cold cleaning machines shall:

SECTION D. Source Level Requirements

(i) Have a permanent, conspicuous label summarizing the operating requirements in paragraph (3). In addition, the label shall include the following discretionary good operating practices:

(A) Cleaned parts should be drained at least 15 seconds or until dripping ceases, whichever is longer. Parts having cavities or blind holes shall be tipped or rotated while the part is draining. During the draining, tipping or rotating, the parts should be positioned so that solvent drains directly back to the cold cleaning machine.

(B) When a pump-agitated solvent bath is used, the agitator should be operated to produce a rolling motion of the solvent with no observable splashing of the solvent against the tank walls or the parts being cleaned.

(C) Work area fans should be located and positioned so that they do not blow across the opening of the degreaser unit.

(ii) Be equipped with a cover that shall be closed at all times except during cleaning of parts or the addition or removal of solvent. For remote reservoir cold cleaning machines which drain directly into the solvent storage reservoir, a perforated drain with a diameter of not more than 6 inches shall constitute an acceptable cover.

(3) Cold cleaning machines shall be operated in accordance with the following procedures:

(i) Waste solvent shall be collected and stored in closed containers. The closed containers may contain a device that allows pressure relief, but does not allow liquid solvent to drain from the container.

(ii) Flushing of parts using a flexible hose or other flushing device shall be performed only within the cold cleaning machine. The solvent spray shall be a solid fluid stream, not an atomized or shower spray.

(iii) Sponges, fabric, wood, leather, paper products and other absorbent materials may not be cleaned in the cold cleaning machine.

(iv) Air agitated solvent baths may not be used.

(v) Spills during solvent transfer and use of the cold cleaning machine shall be cleaned up immediately.

(4) After December 22, 2002, a person may not use, sell or offer for sale for use in a cold cleaning machine any solvent with a vapor pressure of 1.0 millimeter of mercury (mm Hg) or greater and containing greater than 5% VOC by weight, measured at 20°C (68°F) containing VOCs.

(5) On and after December 22, 2002, a person who sells or offers for sale any solvent containing VOCs for use in a cold cleaning machine shall provide, to the purchaser, the following written information:

(i) The name and address of the solvent supplier.

(ii) The type of solvent including the product or vendor identification number.

(iii) The vapor pressure of the solvent measured in mm hg at 20°C (68°F).

(6) A person who operates a cold cleaning machine shall maintain for at least 2 years and shall provide to the Department, on request, the information specified in paragraph (5). An invoice, bill of sale, certificate that corresponds to a number of sales, Material Safety Data Sheet (MSDS), or other appropriate documentation acceptable to the Department may be used to comply with this section.

(7) Paragraph (4) does not apply:

(i) [Paragraph (a)(7)(i) does not apply to this source.]

(ii) If the owner or operator of the cold cleaning machine demonstrates, and the Department approves in writing, that compliance with paragraph (4) will result in unsafe operating conditions.

SECTION D. Source Level Requirements

(iii) To immersion cold cleaning machines with a freeboard ratio equal to or greater than 0.75.

(b) - (e) [25 Pa. Code 129.63(b) - (d) are not applicable to this parts washer.]

VII. ADDITIONAL REQUIREMENTS.

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

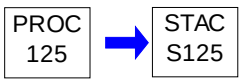
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 125 Source Name: DIESEL FUELED 196 HP EMERGENCY FIRE WATER PUMP

Source Capacity/Throughput: 5.000 Gal/HR #2 Oil

Conditions for this source occur in the following groups: 03 - 63-ZZZZ EMERGENCY



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter from this source in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grains per dry standard cubic foot.

 # 002 [25 Pa. Code §123.21]

General

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 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

This source is limited to no more than 500 hours of operation during any 12 consecutive month period.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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 §127.511]

Monitoring and related recordkeeping and reporting requirements.

(a) The permittee shall maintain the following records for this source.
(1) all maintenance performed on this unit; and
(2) a log of all periods of operation.

(b) All logs and required records shall be maintained on site for a minimum of 5 years and shall be made available to the Department upon request.

[Compliance with this operating permit condition assures compliance with the RACT III recordkeeping requirements of 25 Pa. Code § 129.115(f) and (k).]

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.

 # 005 [25 Pa. Code §129.112]

Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule

The permittee shall install, maintain, and operate the source in accordance with the manufacturer's specifications and with good operating practices.

[From the presumptive RACT II requirements of 25 Pa. Code § 129.97(c)(5) and the presumptive RACT III requirements of 25 Pa. Code § 129.112(c)(10).]

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: 132 Source Name: DIESEL FUELED 449 HP EMERGENCY GENERATOR

Source Capacity/Throughput: 15.000 Gal/HR #2 Oil

Conditions for this source occur in the following groups: 03 - 63-ZZZZ EMERGENCY

PROC 132 → STAC S132

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter from this source in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grains per dry standard cubic foot.

 # 002 [25 Pa. Code §123.21]

General

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 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

This source is limited to no more than 500 hours of operation during any 12 consecutive month period.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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 §127.511]

Monitoring and related recordkeeping and reporting requirements.

(a) The permittee shall maintain the following records for this source.
(1) all maintenance performed on this unit; and
(2) a log of all periods of operation.

(b) All logs and required records shall be maintained on site for a minimum of 5 years and shall be made available to the Department upon request.

[Compliance with this operating permit condition assures compliance with the RACT III recordkeeping requirements of 25 Pa. Code § 129.115(f) and (k).]

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.

 # 005 [25 Pa. Code §129.112]

Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule

The permittee shall install, maintain, and operate the source in accordance with the manufacturer's specifications and with good operating practices.

[From the presumptive RACT II requirements of 25 Pa. Code § 129.97(c)(5) and the presumptive RACT III requirements of 25 Pa. Code § 129.112(c)(10).]

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).

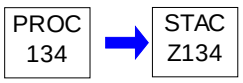
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 134 Source Name: LIQUID RAW MATERIAL STORAGE TANKS

Source Capacity/Throughput: 1.000 Lbs/HR LIQUID RAW MATERIAL

Conditions for this source occur in the following groups: 01 - BAT FOR APPROVALS AFTER 2004



I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

 # 001 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall maintain records of VOC containing materials processed through this source. These throughputs shall be used to calculate the VOC emissions from this source.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

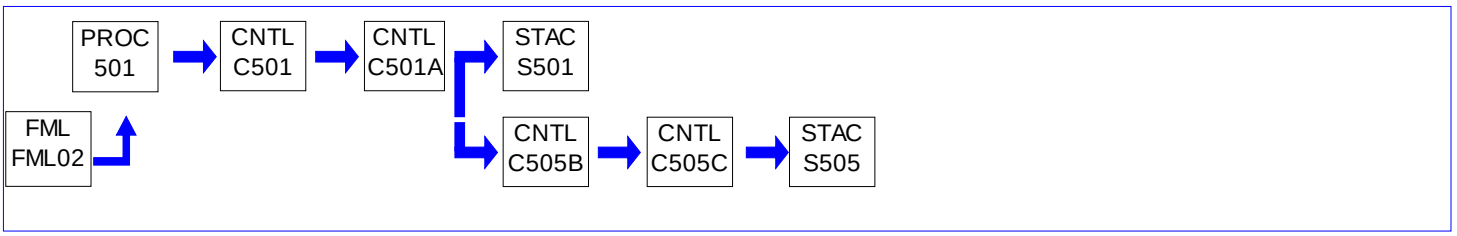
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 501 Source Name: GE ENGINE #1 (5,966.6 HP) NATURAL GAS FUELED 4SLB NON-EMERG.

Source Capacity/Throughput: 32,220.000 CF/HR Natural Gas

Conditions for this source occur in the following groups: 02 - TESTING REQUIREMENTS
04 - GE GENERATOR ENGINES
05 - 60-JJJJ GE GENERATOR ENGINES
06 - 63-ZZZZ GE GENERATORS
07 - 16-132L



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).

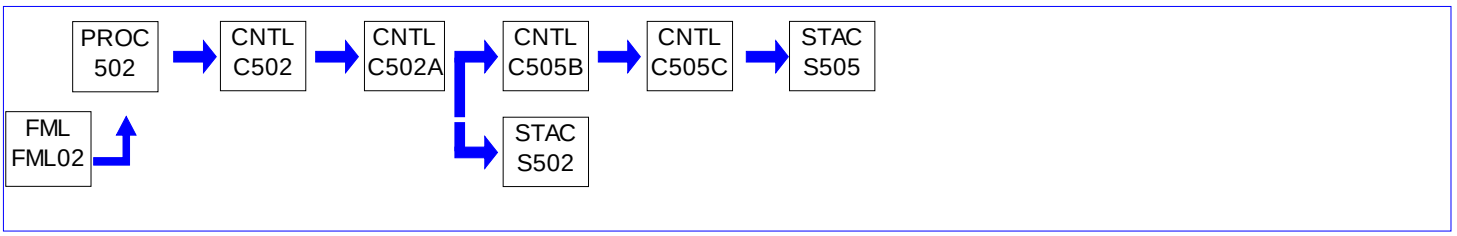
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 502 Source Name: GE ENGINE #2 (5,966.6 HP) NATURAL GAS FUELED 4SLB NON-EMERG.

Source Capacity/Throughput: 32,220.000 CF/HR Natural Gas

Conditions for this source occur in the following groups: 02 - TESTING REQUIREMENTS
04 - GE GENERATOR ENGINES
05 - 60-JJJJ GE GENERATOR ENGINES
06 - 63-ZZZZ GE GENERATORS
07 - 16-132L



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).

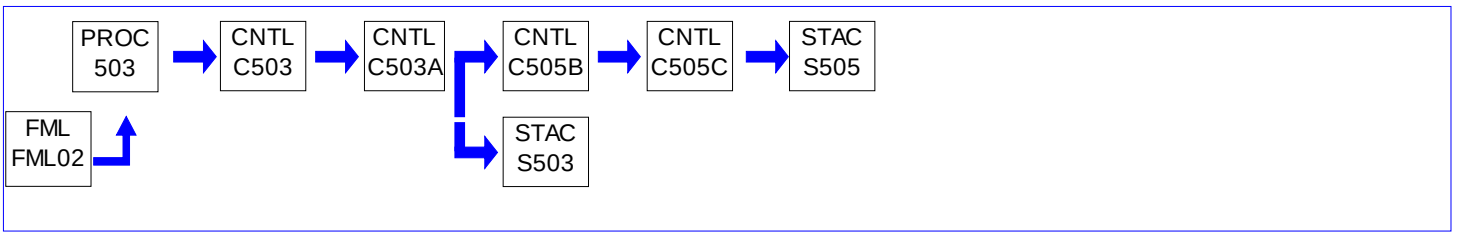
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 503 Source Name: GE ENGINE #3 (5,966.6 HP) NATURAL GAS FUELED 4SLB NON-EMERG.

Source Capacity/Throughput: 32,220.000 CF/HR Natural Gas

Conditions for this source occur in the following groups: 02 - TESTING REQUIREMENTS
04 - GE GENERATOR ENGINES
05 - 60-JJJJ GE GENERATOR ENGINES
06 - 63-ZZZZ GE GENERATORS
07 - 16-132L



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).

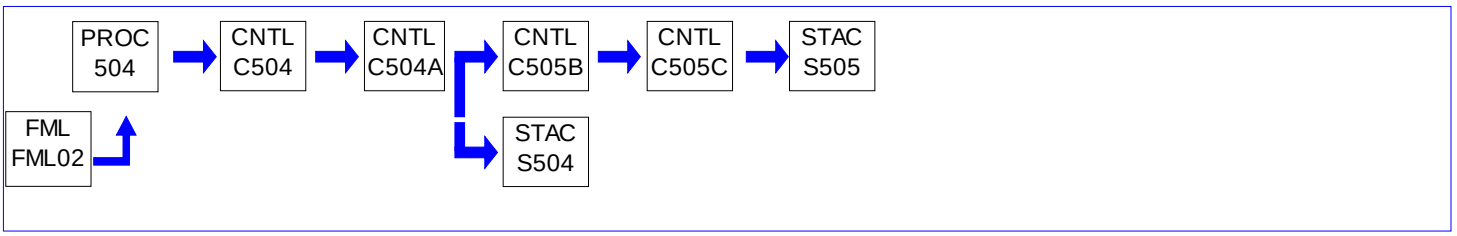
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 504 Source Name: GE ENGINE #4 (5,966.6 HP) NATURAL GAS FUELED 4SLB NON-EMERG.

Source Capacity/Throughput: 32,220.000 CF/HR Natural Gas

Conditions for this source occur in the following groups: 02 - TESTING REQUIREMENTS
04 - GE GENERATOR ENGINES
05 - 60-JJJJ GE GENERATOR ENGINES
06 - 63-ZZZZ GE GENERATORS
07 - 16-132L



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).

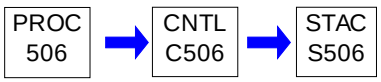
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 506 Source Name: SURPLUS WOOD DUST COLLECTION SYSTEM

Source Capacity/Throughput: 1.000 Lbs/HR WOOD DUST

Conditions for this source occur in the following groups: 01 - BAT FOR APPROVALS AFTER 2004
07 - 16-132L



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[Plan Approval 16-132L]
(a) Emissions shall comply with 25 PA Code 123.1, 123.31, & 123.41 for fugitive, odor, and visible emissions respectively.

[Plan Approval 16-132L]
(b) No person may permit the emission into the outdoor atmosphere of particulate matter in a manner that the concentration of total particulate matter (both filterable and condensable) in the effluent gas exceeds 0.005 grain per dry standard cubic foot.

[Plan Approval 16-132L]
(c) Emissions shall not exceed the following:

(1) PM: 1.77 tpy based on a 12-month rolling total;

(2) PM10: 1.77 tpy based on a 12-month rolling total;

(3) PM2.5: 1.77 tpy based on a 12-month rolling total.

II. TESTING REQUIREMENTS.

 # 002 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[Plan Approval 16-132L]

(a) [The requirement from Plan approval 16-132L, Section D, Source 506, Condition #002(a) for an initial stack test was completed on August 27, 2020.]

[Plan Approval 16-132L]

(b) [Deleted based on Plan Approval 16-132Q].

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 16-132L]

SECTION D. Source Level Requirements

(a) All recordkeeping shall commence upon startup of the source/control device. All records shall be kept for a period of 5 years and shall be made available to the Department upon request.

[Plan Approval 16-132L]
(b) The permittee shall maintain a record of all preventive maintenance inspections of the control device. These records shall include, at a minimum, the following:

(1) the dates of the inspections,
(2) the name of the person performing the inspection,
(3) any problems or defects identified,
(4) any actions taken to correct the problems or defects, and
(5) any routine maintenance performed.

[Plan Approval 16-132L]
(c) The permittee shall record the following operational data from the baghouse (these records may be done with strip charts recorders, data acquisition systems, or manual log entries):

(1) Pressure differential - daily defined as once per calendar day; and

(2) Visible emission check - daily defined as once per calendar day.

(3) Verification of bag leak detection system is operating.

[Paragraph (c)(1) is from plan approval 16-132Q]

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 16-132Q]
(a) The permittee shall perform a daily operational inspection of the control device. As part of this operational inspection the facility shall monitor the pressure drop across the baghouse, verify the bag leak detection system is operating, and shall conduct a visible emission (VE) observation of the baghouse stack. The VE observation shall be 60 seconds in length with reading every 15 seconds. If any visible emissions are observed, the facility shall perform one of the following:

1. A Method 9 observation using a certified observer (60 minutes in duration) shall be conducted to determine compliance with the opacity limitations - or

2. The facility shall immediately commence shutdown of the source/control device in accordance with the Department approved shutdown procedure.

[Plan Approval 16-132Q]
(b) The permittee shall install and operate a bag leak detection system.

[Plan Approval 16-132L]
(c) The permittee shall perform a monthly preventive maintenance inspection of the control device.

[Plan Approval 16-132L]
(d) A magnehelic gauge or equivalent shall be maintained and operated to monitor the pressure differential across the baghouse. All gauges employed shall have a scale such that the expected normal reading shall be no less than twenty

SECTION D. Source Level Requirements

percent (20%) of full scale and be accurate within plus or minus two percent (+/- 2%) of full scale reading.

[Plan Approval 16-132Q]
(e) The permittee shall adhere to the approved indicator range for the baghouse 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. The approved indicator range for the following shall be determined during the initial performance test or any subsequently approved performance tests unless otherwise stated:

1. Pressure drop: 1.0 to 7.0 inches water gage or as established during compliant testing

2. Opacity less than or equal to 10%

The permittee, with prior Departmental approval, may conduct additional performance tests to determine a new pressure drop range. Within 24-hours of discovery of a reading outside of the prescribed range the permittee shall perform a maintenance inspection on the control device and take corrective action. Records of all maintenance inspections on the control device, and corrective actions taken, shall be maintained on site for a minimum period of five years. In the event of more than one documented excursion outside the prescribed range in any calendar quarter the permittee shall submit a corrective measure plan to the Department. Corrective measures may include an increase of the frequency of required preventative maintenance inspections of the control device, a modification of the prescribed range, or other appropriate action as approved by the Department. Upon receipt of a corrective measure plan the Department shall determine the appropriate corrective measure on a case-by case basis.

[Plan Approval 16-132L]
(f) The permittee shall operate the control device at all times that the source is in operation.

[Plan Approval 16-132L]
(g) The permittee shall maintain and operate the source and control device in accordance with the manufacturer's specifications and in accordance with good air pollution control practices.

VII. ADDITIONAL REQUIREMENTS.

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

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

SECTION E. Source Group Restrictions.

Group Name: 01 - BAT FOR APPROVALS AFTER 2004

Group Description: Best Available Technology requirements for sources constructed or modified after July 30, 2004

Sources included in this group

ID	Name
101A	FIBER DRYING SYSTEM
104	MAT FORMING SYSTEM
105	SYSTEM 5, MAT CLEANUP FANS, FORMING AREA, & DUST EXTRACTION
107	SYSTEM 7, MAT REJECT
108	CONTINUOUS PRESS SYSTEM
109	COOLING & STORAGE AREAS WITH BUILDING VENTS
110	SYSTEM 10 - DIAGONAL/SPLITTER/CUT-OFF SAWS
111	PRIMARY SANDER SYSTEM
112	SECONDARY SANDER SYSTEM
113	SYSTEM 13 - FINISHING & BOLSTER SAWS
119	SYSTEM 19 (DRY DUST HANDLING & FUEL FEED SYSTEM)
123	REFINER STARTUP DUMP (ID #23)
134	LIQUID RAW MATERIAL STORAGE TANKS
505	NESS WOOD DUST BURNER
506	SURPLUS WOOD DUST COLLECTION SYSTEM

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

BAT from Table 1A to Subpart DDDD of Part 63 - Production-Based Compliance Options

Table 1A is available at this web address: https://www.ecfr.gov/on/2017-09-01/title-40/chapter-I/subchapter-C/part-63/subpart-DDDD

[Source: 69 FR 46011, July 30, 2004]

 # 002 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

BAT from Table 1B to Subpart DDDD of Part 63 - Add-on Control Systems Compliance Options

Table 1B is available at this web address: https://www.ecfr.gov/on/2017-09-01/title-40/chapter-I/subchapter-C/part-63/subpart-DDDD

[Source: 69 FR 46011, July 30, 2004]

II. TESTING REQUIREMENTS.

 # 003 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

BAT from 40 CFR § 63.2261, "By what date must I conduct performance tests or other initial compliance demonstrations?"

(a) You must conduct performance tests upon initial startup or no later than 180 calendar days after the compliance date that is specified for your source in § 63.2233 and according to § 63.7(a)(2), whichever is later.

(b) You must conduct initial compliance demonstrations that do not require performance tests upon initial startup or no later than 30 calendar days after the compliance date that is specified for your source in § 63.2233, whichever is later.

[Source: 69 FR 46011, July 30, 2004]

SECTION E. Source Group Restrictions.

 # 004 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

BAT from 40 CFR § 63.2262, "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.

(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) Collection of production data. To comply with any of the production-based compliance options, you must measure and record the process unit throughput during each performance test.

(g) Nondetect data.

(1) Except as specified in paragraph (g)(2) of this section, all nondetect data (§ 63.2292) must be treated as one-half of the method detection limit when determining total HAP, formaldehyde, methanol, or total hydrocarbon (THC) emission rates.

(2) When showing compliance with the production-based compliance options in Table 1A to this subpart, you may treat emissions of an individual HAP as zero if all three of the performance test runs result in a nondetect measurement, and the method detection limit is less than or equal to 1 parts per million by volume, dry basis (ppmvd). Otherwise, nondetect data for individual HAP must be treated as one-half of the method detection limit.

(h) Calculation of percent reduction across a control system. When determining the control system efficiency for any control system included in your emissions averaging plan (not to exceed 90 percent) and when complying with any of the compliance options based on percent reduction across a control system in Table 1B to this subpart, as part of the performance test, you must calculate the percent reduction using Equation 1 of this section:

SECTION E. Source Group Restrictions.

Refer to regulation for formula. Formula is printed at this link: https://www.ecfr.gov/on/2017-09-01/title-40/chapter-I/subchapter-C/part-63/subpart-DDDD

Where:
PR = percent reduction, percent;
CE = capture efficiency, percent (determined for reconstituted wood product presses and board coolers as required in Table 4 to this subpart);
ERin = emission rate of total HAP (calculated as the sum of the emission rates of acetaldehyde, acrolein, formaldehyde, methanol, phenol, and propionaldehyde), THC, formaldehyde, or methanol in the inlet vent stream of the control device, pounds per hour;
ERout = emission rate of total HAP (calculated as the sum of the emission rates of acetaldehyde, acrolein, formaldehyde, methanol, phenol, and propionaldehyde), THC, formaldehyde, or methanol in the outlet vent stream of the control device, pounds per hour.

(i) Calculation of mass per unit production. To comply with any of the production-based compliance options in Table 1A to this subpart, you must calculate your mass per unit production emissions for each performance test run using Equation 2 of this section:

Refer to regulation for formula. Formula is printed at this link: https://www.ecfr.gov/on/2017-09-01/title-40/chapter-I/subchapter-C/part-63/subpart-DDDD

Where:
MP = mass per unit production, pounds per oven dried ton OR pounds per thousand square feet on a specified thickness basis (see paragraph (j) of this section if you need to convert from one thickness basis to another);
ERHAP = emission rate of total HAP (calculated as the sum of the emission rates of acetaldehyde, acrolein, formaldehyde, methanol, phenol, and propionaldehyde) in the stack, pounds per hour;
P = process unit production rate (throughput), oven dried tons per hour OR thousand square feet per hour on a specified thickness basis;
CE = capture efficiency, percent (determined for reconstituted wood product presses and board coolers as required in Table 4 to this subpart).

(j) Thickness basis conversion. Use Equation 3 of this section to convert from one thickness basis to another:

Refer to regulation for formula. Formula is printed at this link: https://www.ecfr.gov/on/2017-09-01/title-40/chapter-I/subchapter-C/part-63/subpart-DDDD

Where:
MSFA = thousand square feet on an A-inch basis;
MSFB = thousand square feet on a B-inch basis;
A = old thickness you are converting from, inches;
B = new thickness you are converting to, inches.

(k) Establishing thermal oxidizer operating requirements. If you operate a thermal oxidizer, you must establish your thermal oxidizer operating parameters according to paragraphs (k)(1) through (3) of this section.

(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.

SECTION E. Source Group Restrictions.

(3) If your thermal oxidizer is a combustion unit that accepts process exhaust into the flame zone, then you are exempt from the performance testing and monitoring requirements specified in paragraphs (k)(1) and (2) of this section. To demonstrate initial compliance, you must submit documentation with your Notification of Compliance Status showing that process exhausts controlled by the combustion unit enter into the flame zone.

(l) Establishing catalytic oxidizer operating requirements. If you operate a catalytic oxidizer, you must establish your catalytic oxidizer operating parameters according to paragraphs (l)(1) and (2) of this section.

(1) During the performance test, you must continuously monitor during the required 1-hour test runs either the temperature at the inlet to each catalyst bed or the temperature in the combustion chamber. For regenerative catalytic oxidizers, you must calculate the average of the temperature measurements from each catalyst bed inlet or within the combustion chamber prior to reducing the temperature data to 15-minute averages for purposes of establishing your minimum catalytic oxidizer temperature. The minimum catalytic oxidizer temperature must then be established as the average of the three minimum 15-minute temperatures monitored during the three test runs. Multiple three-run performance tests may be conducted to establish a range of parameter values under different operating conditions.

(2) You may establish a different minimum catalytic oxidizer temperature by submitting the notification specified in § 63.2280(g) and conducting a repeat performance test as specified in paragraphs (l)(1) and (2) of this section that demonstrates compliance with the applicable compliance options of this subpart.

(m) Establishing biofilter operating requirements. If you operate a biofilter, you must establish your biofilter operating requirements according to paragraphs (m)(1) through (3) of this section.

(1) During the performance test, you must continuously monitor the biofilter bed temperature during each of the required 1-hour test runs. To monitor biofilter bed temperature, you may use multiple thermocouples in representative locations throughout the biofilter bed and calculate the average biofilter bed temperature across these thermocouples prior to reducing the temperature data to 15-minute averages for purposes of establishing biofilter bed temperature limits. The biofilter bed temperature range must be established as the minimum and maximum 15-minute biofilter bed temperatures monitored during the three test runs. You may base your biofilter bed temperature range on values recorded during previous performance tests provided that the data used to establish the temperature ranges have been obtained using the test methods required in this subpart. If you use data from previous performance tests, you must certify that the biofilter and associated process unit(s) have not been modified subsequent to the date of the performance tests. Replacement of the biofilter media with the same type of material is not considered a modification of the biofilter for purposes of this section.

(2) For a new biofilter installation, you will be allowed up to 180 days following the compliance date or 180 days following initial startup of the biofilter to complete the requirements in paragraph (m)(1) of this section.

(3) You may expand your biofilter bed temperature operating range by submitting the notification specified in § 63.2280(g) and conducting a repeat performance test as specified in paragraph (m)(1) of this section that demonstrates compliance with the applicable compliance options of this subpart.

(n) Establishing operating requirements for process units meeting compliance options without a control device. If you operate a process unit that meets a compliance option in Table 1A to this subpart, or is a process unit that generates debits in an emissions average without the use of a control device, you must establish your process unit operating parameters according to paragraphs (n)(1) through (2) of this section.

(1) During the performance test, you must identify and document the process unit controlling parameter(s) that affect total HAP emissions during the three-run performance test. The controlling parameters you identify must coincide with the representative operating conditions you describe according to § 63.2262(b)(2). For each parameter, you must specify appropriate monitoring methods, monitoring frequencies, and for continuously monitored parameters, averaging times not to exceed 24 hours. The operating limit for each controlling parameter must then be established as the minimum, maximum, range, or average (as appropriate depending on the parameter) recorded during the performance test. Multiple three-run performance tests may be conducted to establish a range of parameter values under different operating conditions.

(2) You may establish different controlling parameter limits for your process unit by submitting the notification specified in § 63.2280(g) and conducting a repeat performance test as specified in paragraph (n)(1) of this section that demonstrates

SECTION E. Source Group Restrictions.

compliance with the compliance options in Table 1A to this subpart or is used to establish emission averaging debits for an uncontrolled process unit.

(o) Establishing operating requirements using THC CEMS. If you choose to meet the operating requirements by monitoring THC concentration instead of monitoring control device or process operating parameters, you must establish your THC concentration operating requirement according to paragraphs (o)(1) through (2) of this section.

(1) During the performance test, you must continuously monitor THC concentration using your CEMS during each of the required 1-hour test runs. The maximum THC concentration must then be established as the average of the three maximum 15-minute THC concentrations monitored during the three test runs. Multiple three-run performance tests may be conducted to establish a range of THC concentration values under different operating conditions.

(2) You may establish a different maximum THC concentration by submitting the notification specified in § 63.2280(g) and conducting a repeat performance test as specified in paragraph (o)(1) of this section that demonstrates compliance with the compliance options in Tables 1A and 1B to this subpart.

[69 FR 46011, July 30, 2004, as amended at 71 FR 8372, Feb. 16, 2006]

 # 005 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

BAT from Table 4 to Subpart DDDD of Part 63 - Requirements for Performance Tests

Table 4 is available at this web address: https://www.ecfr.gov/on/2017-09-01/title-40/chapter-I/subchapter-C/part-63/subpart-DDDD

[71 FR 8373, Feb. 16, 2006]

 # 006 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

BAT from Table 5 to Subpart DDDD of Part 63 - Performance Testing and Initial Compliance Demonstrations for the Compliance Options and Operating Requirements

Table 5 is available at this web address: https://www.ecfr.gov/on/2017-09-01/title-40/chapter-I/subchapter-C/part-63/subpart-DDDD

[Source: 69 FR 46011, July 30, 2004]

III. MONITORING REQUIREMENTS.

 # 007 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

BAT from 40 CFR § 63.2269, "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 E. Source Group Restrictions.

(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) Wood moisture monitoring. For each furnish or veneer moisture meter, you must meet the requirements in paragraphs (a)(1) through (3) and paragraphs (c)(1) through (5) of this section.

(1) For dry rotary dryers, use a continuous moisture monitor with a minimum accuracy of 1 percent (dry basis) moisture or better in the 25 to 35 percent (dry basis) moisture content range. For veneer redryers, use a continuous moisture monitor with a minimum accuracy of 3 percent (dry basis) moisture or better in the 15 to 25 percent (dry basis) moisture content range. Alternatively, you may use a continuous moisture monitor with a minimum accuracy of 5 percent (dry basis) moisture or better for dry rotary dryers used to dry furnish with less than 25 percent (dry basis) moisture or for veneer redryers used to redry veneer with less than 20 percent (dry basis) moisture.

(2) Locate the moisture monitor in a position that provides a representative measure of furnish or veneer moisture.

(3) Calibrate the moisture monitor based on the procedures specified by the moisture monitor manufacturer at least once per semiannual compliance period (or more frequently if recommended by the moisture monitor manufacturer).

(4) At least quarterly, inspect all components of the moisture monitor for integrity and all electrical connections for continuity.

(5) Use Equation 1 of this section to convert percent moisture measurements wet basis to a dry basis:

Refer to regulation for formula. Formula is printed at this link: https://www.ecfr.gov/on/2017-09-01/title-40/chapter-I/subchapter-C/part-63/subpart-DDDD

Where:
MCdry = percent moisture content of wood material (weight percent, dry basis);
MCwet = percent moisture content of wood material (weight percent, wet basis).

(d) Continuous emission monitoring system(s). Each CEMS must be installed, operated, and maintained according to paragraphs (d)(1) through (4) of this section.

(1) Each CEMS for monitoring THC concentration must be installed, operated, and maintained according to Performance Specification 8 of 40 CFR part 60, appendix B. You must also comply with Procedure 1 of 40 CFR part 60, appendix F.

(2) You must conduct a performance evaluation of each CEMS according to the requirements in § 63.8 and according to Performance Specification 8 of 40 CFR part 60, appendix B.

(3) As specified in § 63.8(c)(4)(ii), each CEMS must complete a minimum of one cycle of operation (sampling, analyzing, and data recording) for each successive 15-minute period.

(4) The CEMS data must be reduced as specified in § 63.8(g)(2) and § 63.2270(d) and (e).

SECTION E. Source Group Restrictions.

[69 FR 46011, July 30, 2004, as amended at 71 FR 8372, Feb. 16, 2006]

 # 008 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

BAT from 40 CFR § 63.2270, "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) For dry rotary dryer and veneer redryer wood moisture monitoring, dry rotary dryer temperature monitoring, biofilter bed temperature monitoring, and biofilter outlet THC monitoring, determine the 24-hour block average of all recorded readings, calculated after every 24 hours of operation as the average of the evenly spaced recorded readings in the previous 24 operating hours (excluding periods described in paragraphs (b) and (c) of this section).

(f) To calculate the data averages for each 3-hour or 24-hour averaging period, you must have at least 75 percent of the required recorded readings for that period using only recorded readings that are based on valid data (i.e., not from periods described in paragraphs (b) and (c) of this section).

[Source: 69 FR 46011, July 30, 2004]

IV. RECORDKEEPING REQUIREMENTS.

 # 009 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

BAT from 40 CFR § 63.2282, "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.

SECTION E. Source Group Restrictions.

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

(b) You must keep the records required in Tables 7 and 8 to this subpart to show continuous compliance with each compliance option, operating requirement, and work practice requirement that applies to you.

(c) For each CEMS, you must keep the following records.

(1) Records described in § 63.10(b)(2)(vi) through (xi).

(2) Previous (i.e., superseded) versions of the performance evaluation plan as required in § 63.8(d)(3).

(3) Request for alternatives to relative accuracy testing for CEMS as required in § 63.8(f)(6)(i).

(4) Records of the date and time that each deviation started and stopped, and whether the deviation occurred during a period of startup, shutdown, or malfunction or during another period.

(d) If you comply with the emissions averaging compliance option in § 63.2240(c), you must keep records of all information required to calculate emission debits and credits.

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

[Source: 69 FR 46011, July 30, 2004]

 # 010 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

BAT from 40 CFR § 63.2283, "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.

[Source: 69 FR 46011, July 30, 2004]

 # 011 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

BAT from Table 7 to Subpart DDDD of Part 63 - Continuous Compliance With the Compliance Options and Operating Requirements

Table 7 is available at this web address: https://www.ecfr.gov/on/2017-09-01/title-40/chapter-I/subchapter-C/part-63/subpart-DDDD

[Source: 69 FR 46011, July 30, 2004]

 # 012 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

BAT from Table 8 to Subpart DDDD of Part 63 - Continuous Compliance With the Work Practice Requirements

Table 8 is available at this web address: https://www.ecfr.gov/on/2017-09-01/title-40/chapter-I/subchapter-C/part-63/subpart-DDDD

[Source: 69 FR 46011, July 30, 2004]

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V. REPORTING REQUIREMENTS.

 # 013 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

BAT from 40 CFR § 63.2260 How do I demonstrate initial compliance with the compliance options, operating requirements, and work practice requirements?

(a) To demonstrate initial compliance with the compliance options and operating requirements, you must conduct performance tests and establish each site-specific operating requirement in Table 2 to this subpart according to the requirements in § 63.2262 and Table 4 to this subpart. Combustion units that accept process exhausts into the flame zone are exempt from the initial performance testing and operating requirements for thermal oxidizers.

(b) You must demonstrate initial compliance with each compliance option, operating requirement, and work practice requirement that applies to you according to Tables 5 and 6 to this subpart and according to §§ 63.2260 through 63.2269 of this subpart.

(c) You must submit the Notification of Compliance Status containing the results of the initial compliance demonstration according to the requirements in § 63.2280(d).

[Source: 69 FR 46011, July 30, 2004]

 # 014 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

BAT from 40 CFR § 63.2263, "Initial compliance demonstration for a dry rotary dryer."

If you operate a dry rotary dryer, you must demonstrate that your dryer processes furnish with an inlet moisture content of less than or equal to 30 percent (by weight, dry basis) and operates with a dryer inlet temperature of less than or equal to 600 °F. You must designate and clearly identify each dry rotary dryer. You must record the inlet furnish moisture content (dry basis) and inlet dryer operating temperature according to § 63.2269(a), (b), and (c) and § 63.2270 for a minimum of 30 calendar days. You must submit the highest recorded 24-hour average inlet furnish moisture content and the highest recorded 24-hour average dryer inlet temperature with your Notification of Compliance Status. In addition, you must submit with the Notification of Compliance Status a signed statement by a responsible official that certifies with truth, accuracy, and completeness that the dry rotary dryer will dry furnish with a maximum inlet moisture content less than or equal to 30 percent (by weight, dry basis) and will operate with a maximum inlet temperature of less than or equal to 600 °F in the future.

[Source: 69 FR 46011, July 30, 2004]

 # 015 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

BAT from 40 CFR § 63.2264, "Initial compliance demonstration for a hardwood veneer dryer."

If you operate a hardwood veneer dryer, you must record the annual volume percentage of softwood veneer species processed in the dryer as follows:

(a) Use Equation 1 of this section to calculate the annual volume percentage of softwood species dried:

Refer to regulation for formula. Formula is printed at this link: https://www.ecfr.gov/on/2017-09-01/title-40/chapter-I/subchapter-C/part-63/subpart-DDDD

Where:

SW% = annual volume percent softwood species dried;

SW = softwood veneer dried during the previous 12 months, thousand square feet (3/8-inch basis);

T = total softwood and hardwood veneer dried during the previous 12 months, thousand square feet (3/8-inch basis).

(b) You must designate and clearly identify each hardwood veneer dryer. Submit with the Notification of Compliance Status the annual volume percentage of softwood species dried in the dryer based on your dryer production for the 12 months prior to the compliance date specified for your source in § 63.2233. If you did not dry any softwood species in the dryer during the 12 months prior to the compliance date, then you need only to submit a statement indicating that no softwood species were

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dried. In addition, submit with the Notification of Compliance Status a signed statement by a responsible official that certifies with truth, accuracy, and completeness that the veneer dryer will be used to process less than 30 volume percent softwood species in the future.

[Source: 69 FR 46011, July 30, 2004]

 # 016 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

BAT from 40 CFR § 63.2265, "Initial compliance demonstration for a softwood veneer dryer."

If you operate a softwood veneer dryer, you must develop a plan for review and approval for minimizing fugitive emissions from the veneer dryer heated zones, and you must submit the plan with your Notification of Compliance Status.

[Source: 69 FR 46011, July 30, 2004]

 # 017 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

BAT from 40 CFR § 63.2266, "Initial compliance demonstration for a veneer redryer."

If you operate a veneer redryer, you must record the inlet moisture content of the veneer processed in the redryer according to § 63.2269(a) and (c) and § 63.2270 for a minimum of 30 calendar days. You must designate and clearly identify each veneer redryer. You must submit the highest recorded 24-hour average inlet veneer moisture content with your Notification of Compliance Status to show that your veneer redryer processes veneer with an inlet moisture content of less than or equal to 25 percent (by weight, dry basis). In addition, submit with the Notification of Compliance Status a signed statement by a responsible official that certifies with truth, accuracy, and completeness that the veneer redryer will dry veneer with a moisture content less than 25 percent (by weight, dry basis) in the future.

[Source: 69 FR 46011, July 30, 2004]

 # 018 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

BAT from 40 CFR § 63.2267, "Initial compliance demonstration for a reconstituted wood product press or board cooler."

If you operate a reconstituted wood product press at a new or existing affected source or a reconstituted wood product board cooler at a new affected source, then you must either use a wood products enclosure as defined in § 63.2292 or measure the capture efficiency of the capture device for the press or board cooler using Methods 204 and 204A through 204F of 40 CFR part 51, appendix M (as appropriate), or using the alternative tracer gas method contained in appendix A to this subpart. You must submit documentation that the wood products enclosure meets the press enclosure design criteria in § 63.2292 or the results of the capture efficiency verification with your Notification of Compliance Status.

[Source: 69 FR 46011, July 30, 2004]

 # 019 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

BAT from 40 CFR § 63.2268, "Initial compliance demonstration for a wet control device."

If you use a wet control device as the sole means of reducing HAP emissions, you must develop and implement a plan for review and approval to address how organic HAP captured in the wastewater from the wet control device is contained or destroyed to minimize re-release to the atmosphere such that the desired emissions reductions are obtained. You must submit the plan with your Notification of Compliance Status.

[Source: 69 FR 46011, July 30, 2004]

 # 020 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

BAT from 40 CFR § 63.2271, "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

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requirements in §§ 63.2240 and 63.2241 that apply to you according to the methods specified in Tables 7 and 8 to this subpart.

(b) You must report each instance in which you did not meet each compliance option, operating requirement, and work practice requirement in Tables 7 and 8 to this subpart that applies to you. This includes periods of startup, shutdown, and malfunction and periods of control device maintenance specified in paragraphs (b)(1) through (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]

(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.

[69 FR 46011, July 30, 2004, as amended at 71 FR 20463, Apr. 20, 2006]

 # 021 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

BAT from 40 CFR § 63.2280, "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) For each initial compliance demonstration required in Table 5 or 6 to this subpart that does not include a performance test, you must submit the Notification of Compliance Status before the close of business on the 30th calendar day following the completion of the initial compliance demonstration.

(2) For each initial compliance demonstration required in Tables 5 and 6 to this subpart that includes a performance test conducted according to the requirements in Table 4 to this subpart, you must submit the Notification of Compliance Status, including 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) If you use the emissions averaging compliance option in § 63.2240(c), you must submit an Emissions Averaging Plan to the EPA Administrator for approval no later than 1 year before the compliance date or no later than 1 year before the date you would begin using an emissions average, whichever is later. The Emissions Averaging Plan must include the information in paragraphs (f)(1) through (6) of this section.

(1) Identification of all the process units to be included in the emissions average indicating which process units will be used to generate credits, and which process units that are subject to compliance options in Tables 1A and 1B to this

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subpart will be uncontrolled (used to generate debits) or under-controlled (used to generate debits and credits).

(2) Description of the control system used to generate emission credits for each process unit used to generate credits.

(3) Determination of the total HAP control efficiency for the control system used to generate emission credits for each credit-generating process unit.

(4) Calculation of the RMR and AMR, as calculated using Equations 1 through 3 of § 63.2240(c)(1).

(5) Documentation of total HAP measurements made according to § 63.2240(c)(2)(iv) and other relevant documentation to support calculation of the RMR and AMR.

(6) A summary of the operating parameters you will monitor and monitoring methods for each debit-generating and credit-generating process unit.

(g) You must notify the EPA Administrator within 30 days before you take any of the actions specified in paragraphs (g)(1) through (3) of this section.

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

(2) You shut down any process unit included in your Emissions Averaging Plan.

(3) You change a continuous monitoring parameter or the value or range of values of a continuous monitoring parameter for any process unit or control device.

[Source: 69 FR 46011, July 30, 2004]

 # 022 [25 Pa. Code §127.12b]

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BAT from 40 CFR § 63.2281, "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.

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(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.

(iii) A statement of whether or not the control device maintenance was included in your approved routine control device maintenance exemption developed pursuant to § 63.2251. If the control device maintenance was included in your approved routine control device maintenance exemption, then you must report the information in paragraphs (c)(5)(iii)(A) through (C) of this section.

(A) The total amount of time that each process unit controlled by the control device operated during the semiannual compliance period and during the previous semiannual compliance period.

(B) The amount of time that each process unit controlled by the control device operated while the control device was down for maintenance covered under the routine control device maintenance exemption during the semiannual compliance period and during the previous semiannual compliance period.

(C) Based on the information recorded under paragraphs (c)(5)(iii)(A) and (B) of this section for each process unit, compute the annual percent of process unit operating uptime during which the control device was offline for routine maintenance using Equation 1 of this section.

Refer to regulation for formula. Formula is printed at this link: https://www.ecfr.gov/on/2017-09-01/title-40/chapter-I/subchapter-C/part-63/subpart-DDDD

Where:
RM = Annual percentage of process unit uptime during which control device is down for routine control device maintenance;
PUp = Process unit uptime for the previous semiannual compliance period;
PUc = Process unit uptime for the current semiannual compliance period;
DTp = Control device downtime claimed under the routine control device maintenance exemption for the previous semiannual compliance period;
DTc = Control device downtime claimed under the routine control device maintenance exemption for the current semiannual compliance period.

(6) 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.

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(d) For each deviation from a compliance option or operating requirement and for each deviation from the work practice requirements in Table 8 to this subpart that occurs at an affected source where you are not using a CMS to comply with the compliance options, operating requirements, or work practice requirements in this subpart, the compliance report must contain the information in paragraphs (c)(1) through (6) of this section and in paragraphs (d)(1) and (2) of this section. This includes periods of startup, shutdown, and malfunction and routine control device maintenance.

(1) The total operating time of each affected source during the reporting period.

(2) Information on the number, duration, and cause of deviations (including unknown cause, if applicable), as applicable, and the corrective action taken.

(e) For each deviation from a compliance option 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) If you comply with the emissions averaging compliance option in § 63.2240(c), you must include in your semiannual compliance report calculations based on operating data from the semiannual reporting period that demonstrate that actual mass removal equals or exceeds the required mass removal.

(g) Each affected source that has obtained a title V operating permit pursuant to 40 CFR part 70 or 40 CFR part 71 must report all deviations as defined in this subpart in the semiannual monitoring report required by § 70.6(a)(3)(iii)(A) or § 71.6(a)(3)(iii)(A). If an affected source submits a compliance report pursuant to Table 9 to this subpart along with, or as part of, the semiannual monitoring report required by § 70.6(a)(3)(iii)(A) or § 71.6(a)(3)(iii)(A), and the compliance report includes all required information concerning deviations from any compliance option, operating requirement, or work practice requirement in this subpart, submission of the compliance report shall be deemed to satisfy any obligation to report the same deviations in the semiannual monitoring report. However, submission of a compliance report shall not otherwise affect any obligation the affected source may have to report deviations from permit requirements to the permitting authority.

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[Source: 69 FR 46011, July 30, 2004]

 # 023 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

BAT from Table 6 to Subpart DDDD of Part 63 - Initial Compliance Demonstrations for Work Practice Requirements

Table 6 is available at this web address: https://www.ecfr.gov/on/2017-09-01/title-40/chapter-I/subchapter-C/part-63/subpart-DDDD

[Source: 69 FR 46011, July 30, 2004]

 # 024 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

BAT from Table 9 to Subpart DDDD of Part 63 - Requirements for Reports

(a) You must submit a Compliance report. The report must contain the information in § 63.2281(c) through (g). Semiannually according to the requirements in § 63.2281(b).

(b) You must submit an immediate startup, shutdown, and malfunction report if you had a startup, shutdown, or malfunction during the reporting period that is not consistent with your SSMP. The report must contain the following:

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

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

[Source: 69 FR 46011, July 30, 2004]

VI. WORK PRACTICE REQUIREMENTS.

 # 025 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

BAT From 40 CFR §63.2240, "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) Production-based compliance options. You must meet the production-based total HAP compliance options in Table 1A to this subpart and the applicable operating requirements in Table 2 to this subpart. You may not use an add-on control system or wet control device to meet the production-based compliance options.

(b) Compliance options for add-on control systems. You must use an emissions control system and demonstrate that the resulting emissions meet the compliance options and operating requirements in Tables 1B and 2 to this subpart. If you own or operate a reconstituted wood product press at a new or existing affected source or a reconstituted wood product board cooler at a new affected source, and you choose to comply with one of the concentration-based compliance options for a control system outlet (presented as option numbers 2, 4, and 6 in Table 1B to this subpart), you must have a capture device that either meets the definition of wood products enclosure in § 63.2292 or achieves a capture efficiency of greater than or equal to 95 percent.

(c) Emissions averaging compliance option (for existing sources only). Using the procedures in paragraphs (c)(1) through

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(3) of this section, you must demonstrate that emissions included in the emissions average meet the compliance options and operating requirements. New sources may not use emissions averaging to comply with this subpart.

(1) Calculation of required and actual mass removal. Limit emissions of total HAP, as defined in § 63.2292, to include acetaldehyde, acrolein, formaldehyde, methanol, phenol, and propionaldehyde from your affected source to the standard specified by Equations 1, 2, and 3 of this section.

Refer to regulation for formula. Formula is printed at this link: https://www.ecfr.gov/on/2017-09-01/title-40/chapter-I/subchapter-C/part-63/subpart-DDDD

Where:

RMR = required mass removal of total HAP from all process units generating debits (i.e., all process units that are subject to the compliance options in Tables 1A and 1B to this subpart and that are either uncontrolled or under-controlled), pounds per semiannual period;

AMR = actual mass removal of total HAP from all process units generating credits (i.e., all process units that are controlled as part of the Emissions Averaging Plan including credits from debit-generating process units that are under-controlled), pounds per semiannual period;

UCEPi = mass of total HAP from an uncontrolled or under-controlled process unit (i) that generates debits, pounds per hour;

OHi = number of hours a process unit (i) is operated during the semiannual period, hours per 6-month period;

CDi = control system efficiency for the emission point (i) for total HAP, expressed as a fraction, and not to exceed 90 percent, unitless (Note: To calculate the control system efficiency of biological treatment units that do not meet the definition of biofilter in § 63.2292, you must use 40 CFR part 63, appendix C, Determination of the Fraction Biodegraded (Fbio) in a Biological Treatment Unit.);

OCEPi = mass of total HAP from a process unit (i) that generates credits (including credits from debit-generating process units that are under-controlled), pounds per hour;

0.90 = required control system efficiency of 90 percent multiplied, unitless.

(2) Requirements for debits and credits. You must calculate debits and credits as specified in paragraphs (c)(2)(i) through (vi) of this section.

(i) You must limit process units in the emissions average to those process units located at the existing affected source as defined in § 63.2292.

(ii) You cannot use nonoperating process units to generate emissions averaging credits. You cannot use process units that are shut down to generate emissions averaging debits or credits.

(iii) You may not include in your emissions average process units controlled to comply with a State, Tribal, or Federal rule other than this subpart.

(iv) You must use actual measurements of total HAP emissions from process units to calculate your required mass removal (RMR) and actual mass removal (AMR). The total HAP measurements must be obtained according to § 63.2262(b) through (d), (g), and (h), using the methods specified in Table 4 to this subpart.

(v) Your initial demonstration that the credit-generating process units will be capable of generating enough credits to offset the debits from the debit-generating process units must be made under representative operating conditions. After the compliance date, you must use actual operating data for all debit and credit calculations.

(vi) Do not include emissions from the following time periods in your emissions averaging calculations:

(A) Emissions during periods of startup, shutdown, and malfunction as described in the startup, shutdown, and malfunction plan (SSMP).

(B) Emissions during periods of monitoring malfunctions, associated repairs, and required quality assurance or control activities or during periods of control device maintenance covered in your routine control device maintenance exemption. No credits may be assigned to credit-generating process units, and maximum debits must be assigned to debit-generating process units during these periods.

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(3) Operating requirements. You must meet the operating requirements in Table 2 to this subpart for each process unit or control device used in calculation of emissions averaging credits.

[Source: 69 FR 46011, July 30, 2004]

 # 026 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

BAT from 40 CFR § 63.2241, "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.

(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) If you have a dry rotary dryer, you may choose to designate your dry rotary dryer as a green rotary dryer and meet the more stringent compliance options and operating requirements in § 63.2240 for green rotary dryers instead of the work practices for dry rotary dryers. If you have a hardwood veneer dryer or veneer redryer, you may choose to designate your hardwood veneer dryer or veneer redryer as a softwood veneer dryer and meet the more stringent compliance options and operating requirements in § 63.2240 for softwood veneer dryer heated zones instead of the work practices for hardwood veneer dryers or veneer redryers.
General Compliance Requirements

[Source: 69 FR 46011, July 30, 2004]

 # 027 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

BAT from 40 CFR § 63.2250, "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) Shutoff of direct-fired burners resulting from partial and full production stoppages of direct-fired softwood veneer dryers or over-temperature events shall be deemed shutdowns and not malfunctions. Lighting or re-lighting any one or all gas burners in direct-fired softwood veneer dryers shall be deemed startups and not malfunctions.

[69 FR 46011, July 30, 2004, as amended at 71 FR 8372, Feb. 16, 2006; 71 FR 20463, Apr. 20, 2006]

 # 028 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

BAT from 40 CFR § 63.2251, "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.

SECTION E. Source Group Restrictions.

(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.

[Source: 69 FR 46011, July 30, 2004]

 # 029 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

BAT from 40 CFR § 63.2252, "What are the requirements for process units that have no control or work practice requirements?"

For process units not subject to the compliance options or work practice requirements specified in § 63.2240 (including, but not limited to, lumber kilns), you are not required to comply with the compliance options, work practice requirements, performance testing, monitoring, SSM plans, and recordkeeping or reporting requirements of this subpart, or any other requirements in subpart A of this part, except for the initial notification requirements in § 63.9(b).

[71 FR 8372, Feb. 16, 2006]

 # 030 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

BAT from Table 2 to Subpart DDDD of Part 63 - Operating Requirements

Table 2 is available at this web address: https://www.ecfr.gov/on/2017-09-01/title-40/chapter-I/subchapter-C/part-63/subpart-DDDD

[Source: 69 FR 46011, July 30, 2004]

 # 031 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

BAT from Table 3 to Subpart DDDD of Part 63 - Work Practice Requirements

Table 3 is available at this web address: https://www.ecfr.gov/on/2017-09-01/title-40/chapter-I/subchapter-C/part-63/subpart-DDDD

[Source: 69 FR 46011, July 30, 2004]

SECTION E. Source Group Restrictions.

VII. ADDITIONAL REQUIREMENTS.

 # 032 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

BAT From 40 CFR § 63.2232, "What parts of my plant does this subpart cover?"

(a) This subpart applies to each new, reconstructed, or existing affected source at a PCWP manufacturing facility.

(b) The affected source is the collection of dryers, refiners, blenders, formers, presses, board coolers, and other process units associated with the manufacturing of plywood and composite wood products. The affected source includes, but is not limited to, green end operations, refining, drying operations (including any combustion unit exhaust stream routinely used to direct fire process unit(s)), resin preparation, blending and forming operations, pressing and board cooling operations, and miscellaneous finishing operations (such as sanding, sawing, patching, edge sealing, and other finishing operations not subject to other national emission standards for hazardous air pollutants (NESHAP)). The affected source also includes onsite storage and preparation of raw materials used in the manufacture of plywood and/or composite wood products, such as resins; onsite wastewater treatment operations specifically associated with plywood and composite wood products manufacturing; and miscellaneous coating operations (§ 63.2292). The affected source includes lumber kilns at PCWP manufacturing facilities and at any other kind of facility.

(c) An affected source is a new affected source if you commenced construction of the affected source after January 9, 2003, and you meet the applicability criteria at the time you commenced construction.

(d) An affected source is reconstructed if you meet the criteria as defined in § 63.2.

(e) An affected source is existing if it is not new or reconstructed.

[69 FR 46011, July 30, 2004, as amended at 71 FR 8371, Feb. 16, 2006]

 # 033 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

BAT from 40 CFR § 63.2233, "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 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 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

BAT from 40 CFR § 63.2290, "What parts of the General Provisions apply to me?"

SECTION E. Source Group Restrictions.

Table 10 to this subpart shows which parts of the General Provisions in §§ 63.1 through 63.13 apply to you.

Table 10 is printed at this link: https://www.ecfr.gov/on/2017-09-01/title-40/chapter-I/subchapter-C/part-63/subpart-DDDD

[Source: 69 FR 46011, July 30, 2004]

 # 035 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

BAT from 40 CFR § 63.2292, "What definitions apply to this subpart?"

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

Affected source means the collection of dryers, refiners, blenders, formers, presses, board coolers, and other process units associated with the manufacturing of plywood and composite wood products. The affected source includes, but is not limited to, green end operations, refining, drying operations (including any combustion unit exhaust stream routinely used to direct fire process unit(s)), resin preparation, blending and forming operations, pressing and board cooling operations, and miscellaneous finishing operations (such as sanding, sawing, patching, edge sealing, and other finishing operations not subject to other NESHAP). The affected source also includes onsite storage of raw materials used in the manufacture of plywood and/or composite wood products, such as resins; onsite wastewater treatment operations specifically associated with plywood and composite wood products manufacturing; and miscellaneous coating operations (defined elsewhere in this section). The affected source includes lumber kilns at PCWP manufacturing facilities and at any other kind of facility.

Agricultural fiber means the fiber of an annual agricultural crop. Examples of agricultural fibers include, but are not limited to, wheat straw, rice straw, and bagasse.

Biofilter means an enclosed control system such as a tank or series of tanks with a fixed roof that contact emissions with a solid media (such as bark) and use microbiological activity to transform organic pollutants in a process exhaust stream to innocuous compounds such as carbon dioxide, water, and inorganic salts. Wastewater treatment systems such as aeration lagoons or activated sludge systems are not considered to be biofilters.

Capture device means a hood, enclosure, or other means of collecting emissions into a duct so that the emissions can be measured.

Capture efficiency means the fraction (expressed as a percentage) of the pollutants from an emission source that are collected by a capture device.

Catalytic oxidizer means a control system that combusts or oxidizes, in the presence of a catalyst, exhaust gas from a process unit. Catalytic oxidizers include regenerative catalytic oxidizers and thermal catalytic oxidizers.

Combustion unit means a dryer burner, process heater, or boiler. Combustion units may be used for combustion of organic HAP emissions.

Control device means any equipment that reduces the quantity of HAP emitted to the air. The device may destroy the HAP or secure the HAP for subsequent recovery. Control devices include, but are not limited to, thermal or catalytic oxidizers, combustion units that incinerate process exhausts, biofilters, and condensers.

Control system or add-on control system means the combination of capture and control devices used to reduce HAP emissions to the atmosphere.

Conveyor strand dryer means a conveyor dryer used to reduce the moisture of wood strands used in the manufacture of oriented strandboard, laminated strand lumber, or other wood strand-based products. A conveyor strand dryer is a process unit.

Conveyor strand dryer zone means each portion of a conveyor strand dryer with a separate heat exchange system and exhaust vent(s). Conveyor strand dryers contain multiple zones (e.g., three zones), which may be divided into multiple sections.

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

(1) Fails to meet any requirement or obligation established by this subpart including, but not limited to, any compliance option, operating requirement, or work practice requirement;

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

(3) Fails to meet any compliance option, operating requirement, or work practice requirement in this subpart during startup, shutdown, or malfunction, regardless of whether or not such failure is permitted by this subpart. A deviation is not always a violation. The determination of whether a deviation constitutes a violation of the standard is up to the discretion of the entity responsible for enforcement of the standards.

Direct-fired process unit means a process unit that is heated by the passing of combustion exhaust through the process unit such that the process material is contacted by the combustion exhaust.

Dryer heated zones means the zones of a softwood veneer dryer or fiberboard mat dryer that are equipped with heating and hot air circulation units. The cooling zone(s) of the dryer through which ambient air is blown are not part of the dryer heated zones.

Dry forming means the process of making a mat of resinated fiber to be compressed into a reconstituted wood product such as particleboard, oriented strandboard, medium density fiberboard, or hardboard.

Dry rotary dryer means a rotary dryer that dries wood particles or fibers with a maximum inlet moisture content of less than or equal to 30 percent (by weight, dry basis) and operates with a maximum inlet temperature of less than or equal to 600 °F. A dry rotary dryer is a process unit.

Engineered wood product means a product made with lumber, veneers, strands of wood, or from other small wood elements that are bound together with resin. Engineered wood products include, but are not limited to, laminated strand lumber, laminated veneer lumber, parallel strand lumber, wood I-joists, and glue-laminated beams.

Fiber means the discrete elements of wood or similar cellulosic material, which are separated by mechanical means, as in refining, that can be formed into boards.

Fiberboard means a composite panel composed of cellulosic fibers (usually wood or agricultural material) made by wet forming and compacting a mat of fibers. Fiberboard density generally is less than 0.50 grams per cubic centimeter (31.5 pounds per cubic foot).

Fiberboard mat dryer means a dryer used to reduce the moisture of wet-formed wood fiber mats by applying heat. A fiberboard mat dryer is a process unit.

Flame zone means the portion of the combustion chamber in a combustion unit that is occupied by the flame envelope.

Furnish means the fibers, particles, or strands used for making boards.

Glue-laminated beam means a structural wood beam made by bonding lumber together along its faces with resin.

Green rotary dryer means a rotary dryer that dries wood particles or fibers with an inlet moisture content of greater than 30 percent (by weight, dry basis) at any dryer inlet temperature or operates with an inlet temperature of greater than 600 °F with any inlet moisture content. A green rotary dryer is a process unit.

Group 1 miscellaneous coating operations means application of edge seals, nail lines, logo (or other information) paint, shelving edge fillers, trademark/gradestamp inks, and wood putty patches to plywood and composite wood products (except kiln-dried lumber) on the same site where the plywood and composite wood products are manufactured. Group 1 miscellaneous coating operations also include application of synthetic patches to plywood at new affected sources.

Hardboard means a composite panel composed of inter-felted cellulosic fibers made by dry or wet forming and pressing of

SECTION E. Source Group Restrictions.

a resinated fiber mat. Hardboard generally has a density of 0.50 grams per cubic centimeter (31.5 pounds per cubic foot) or greater.

Hardboard oven means an oven used to heat treat or temper hardboard after hot pressing. Humidification chambers are not considered as part of hardboard ovens. A hardboard oven is a process unit.

Hardwood means the wood of a broad-leafed tree, either deciduous or evergreen. Examples of hardwoods include, but are not limited to, aspen, birch, poplar, and oak.

Hardwood veneer dryer means a dryer that removes excess moisture from veneer by conveying the veneer through a heated medium on rollers, belts, cables, or wire mesh. Hardwood veneer dryers are used to dry veneer with less than 30 percent softwood species on an annual volume basis. Veneer kilns that operate as batch units, veneer dryers heated by radio frequency or microwaves that are used to redry veneer, and veneer redryers (defined elsewhere in this section) that are heated by conventional means are not considered to be hardwood veneer dryers. A hardwood veneer dryer is a process unit.

Kiln-dried lumber means solid wood lumber that has been dried in a lumber kiln.

Laminated strand lumber (LSL) means a composite product formed into a billet made of thin wood strands cut from whole logs, resinated, and pressed together with the grain of each strand oriented parallel to the length of the finished product.

Laminated veneer lumber (LVL) means a composite product formed into a billet made from layers of resinated wood veneer sheets or pieces pressed together with the grain of each veneer aligned primarily along the length of the finished product. Laminated veneer lumber is also known as parallel strand lumber (PSL).

Lumber means boards or planks sawed or split from logs or timber, including logs or timber processed for use as utility poles or other wood components. Lumber can be either green (non-dried) or dried. Lumber is typically either air-dried or kiln-dried.

Lumber kiln means an enclosed dryer operated by applying heat to reduce the moisture content of lumber.

Medium density fiberboard (MDF) means a composite panel composed of cellulosic fibers (usually wood or agricultural fiber) made by dry forming and pressing of a resinated fiber mat.

Method detection limit means the minimum concentration of an analyte that can be determined with 99 percent confidence that the true value is greater than zero.

Miscellaneous coating operations means application of any of the following to plywood or composite wood products: edge seals, moisture sealants, anti-skid coatings, company logos, trademark or grade stamps, nail lines, synthetic patches, wood patches, wood putty, concrete forming oils, glues for veneer composing, and shelving edge fillers. Miscellaneous coating operations also include the application of primer to oriented strandboard siding that occurs at the same site as oriented strandboard manufacture and application of asphalt, clay slurry, or titanium dioxide coatings to fiberboard at the same site of fiberboard manufacture.

Molded particleboard means a shaped composite product (other than a composite panel) composed primarily of cellulosic materials (usually wood or agricultural fiber) generally in the form of discrete pieces or particles, as distinguished from fibers, which are pressed together with resin.

MSF means thousand square feet (92.9 square meters). Square footage of panels is usually measured on a thickness basis, such as3/8-inch, to define the total volume of panels. Equation 6 of § 63.2262(j) shows how to convert from one thickness basis to another.

Nondetect data means, for the purposes of this subpart, any value that is below the method detection limit.

Non-HAP coating means a coating with HAP contents below 0.1 percent by mass for Occupational Safety and Health Administration-defined carcinogens as specified in 29 CFR 1910.1200(d)(4), and below 1.0 percent by mass for other HAP compounds.

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1-hour period means a 60-minute period.

Oriented strandboard (OSB) means a composite panel produced from thin wood strands cut from whole logs, formed into resinated layers (with the grain of strands in one layer oriented perpendicular to the strands in adjacent layers), and pressed.

Oven-dried ton(s) (ODT) means tons of wood dried until all of the moisture in the wood is removed. One oven-dried ton equals 907 oven-dried kilograms.

Parallel strand lumber (PSL) means a composite product formed into a billet made from layers of resinated wood veneer sheets or pieces pressed together with the grain of each veneer aligned primarily along the length of the finished product. Parallel strand lumber is also known as laminated veneer lumber (LVL).

Partial wood products enclosure means an enclosure that does not meet the design criteria for a wood products enclosure as defined in this subpart.

Particle means a discrete, small piece of cellulosic material (usually wood or agricultural fiber) produced mechanically and used as the aggregate for a particleboard.

Particleboard means a composite panel composed primarily of cellulosic materials (usually wood or agricultural fiber) generally in the form of discrete pieces or particles, as distinguished from fibers, which are pressed together with resin.

Plywood means a panel product consisting of layers of wood veneers hot pressed together with resin. Plywood includes panel products made by hot pressing (with resin) veneers to a substrate such as particleboard, medium density fiberboard, or lumber. Plywood products may be flat or curved.

Plywood and composite wood products (PCWP) manufacturing facility means a facility that manufactures plywood and/or composite wood products by bonding wood material (fibers, particles, strands, veneers, etc.) or agricultural fiber, generally with resin under heat and pressure, to form a panel, engineered wood product, or other product defined in § 63.2292. Plywood and composite wood products manufacturing facilities also include facilities that manufacture dry veneer and lumber kilns located at any facility. Plywood and composite wood products include, but are not limited to, plywood, veneer, particleboard, molded particleboard, oriented strandboard, hardboard, fiberboard, medium density fiberboard, laminated strand lumber, laminated veneer lumber, wood I-joists, kiln-dried lumber, and glue-laminated beams.

Press predryer means a dryer used to reduce the moisture and elevate the temperature by applying heat to a wet-formed fiber mat before the mat enters a hot press. A press predryer is a process unit.

Pressurized refiner means a piece of equipment operated under pressure for preheating (usually by steaming) wood material and refining (rubbing or grinding) the wood material into fibers. Pressurized refiners are operated with continuous infeed and outfeed of wood material and maintain elevated internal pressures (i.e., there is no pressure release) throughout the preheating and refining process. A pressurized refiner is a process unit.

Primary tube dryer means a single-stage tube dryer or the first stage of a multi-stage tube dryer. Tube dryer stages are separated by vents for removal of moist gases between stages (e.g., a product cyclone at the end of a single-stage dryer or between the first and second stages of a multi-stage tube dryer). The first stage of a multi-stage tube dryer is used to remove the majority of the moisture from the wood furnish (compared to the moisture reduction in subsequent stages of the tube dryer). Blow-lines used to apply resin are considered part of the primary tube dryer. A primary tube dryer is a process unit.

Process unit means equipment classified according to its function such as a blender, dryer, press, former, or board cooler.

Reconstituted wood product board cooler means a piece of equipment designed to reduce the temperature of a board by means of forced air or convection within a controlled time period after the board exits the reconstituted wood product press unloader. Board coolers include wicket and star type coolers commonly found at medium density fiberboard and particleboard plants. Board coolers do not include cooling sections of dryers (e.g., veneer dryers or fiberboard mat dryers) or coolers integrated into or following hardboard bake ovens or humidifiers. A reconstituted wood product board cooler is a process unit.

SECTION E. Source Group Restrictions.

Reconstituted wood product press means a press, including (if applicable) the press unloader, that presses a resinated mat of wood fibers, particles, or strands between hot platens or hot rollers to compact and set the mat into a panel by simultaneous application of heat and pressure. Reconstituted wood product presses are used in the manufacture of hardboard, medium density fiberboard, particleboard, and oriented strandboard. Extruders are not considered to be reconstituted wood product presses. A reconstituted wood product press is a process unit.

Representative operating conditions means operation of a process unit during performance testing under the conditions that the process unit will typically be operating in the future, including use of a representative range of materials (e.g., wood material of a typical species mix and moisture content or typical resin formulation) and representative operating temperature range.

Resin means the synthetic adhesive (including glue) or natural binder, including additives, used to bond wood or other cellulosic materials together to produce plywood and composite wood products.

Responsible official means responsible official as defined in 40 CFR 70.2 and 40 CFR 71.2.

Rotary strand dryer means a rotary dryer operated by applying heat and used to reduce the moisture of wood strands used in the manufacture of oriented strandboard, laminated strand lumber, or other wood strand-based products. A rotary strand dryer is a process unit.

Secondary tube dryer means the second stage and subsequent stages following the primary stage of a multi-stage tube dryer. Secondary tube dryers, also referred to as relay dryers, operate at lower temperatures than the primary tube dryer they follow. Secondary tube dryers are used to remove only a small amount of the furnish moisture compared to the furnish moisture reduction across the primary tube dryer. A secondary tube dryer is a process unit.

Softwood means the wood of a coniferous tree. Examples of softwoods include, but are not limited to, Southern yellow pine, Douglas fir, and White spruce.

Softwood veneer dryer means a dryer that removes excess moisture from veneer by conveying the veneer through a heated medium, generally on rollers, belts, cables, or wire mesh. Softwood veneer dryers are used to dry veneer with greater than or equal to 30 percent softwood species on an annual volume basis. Veneer kilns that operate as batch units, veneer dryers heated by radio frequency or microwaves that are used to redry veneer, and veneer redryers (defined elsewhere in this section) that are heated by conventional means are not considered to be softwood veneer dryers. A softwood veneer dryer is a process unit.

Startup means bringing equipment online and starting the production process.

Startup, initial means the first time equipment is put into operation. Initial startup does not include operation solely for testing equipment. Initial startup does not include subsequent startups (as defined in this section) following malfunction or shutdowns or following changes in product or between batch operations. Initial startup does not include startup of equipment that occurred when the source was an area source.

Startup, shutdown, and malfunction plan (SSMP) means a plan developed according to the provisions of § 63.6(e)(3).

Strand means a long (with respect to thickness and width), flat wood piece specially cut from a log for use in oriented strandboard, laminated strand lumber, or other wood strand-based product.

Temporary total enclosure (TTE) means an enclosure constructed for the purpose of measuring the capture efficiency of pollutants emitted from a given source, as defined in Method 204 of 40 CFR part 51, appendix M.

Thermal oxidizer means a control system that combusts or oxidizes exhaust gas from a process unit. Thermal oxidizers include regenerative thermal oxidizers and combustion units.

Total hazardous air pollutant emissions means, for purposes of this subpart, the sum of the emissions of the following six compounds: acetaldehyde, acrolein, formaldehyde, methanol, phenol, and propionaldehyde.

Tube dryer means a single-stage or multi-stage dryer operated by applying heat to reduce the moisture of wood fibers or

SECTION E. Source Group Restrictions.

particles as they are conveyed (usually pneumatically) through the dryer. Resin may or may not be applied to the wood material before it enters the tube dryer. Tube dryers do not include pneumatic fiber transport systems that use temperature and humidity conditioned pneumatic system supply air in order to prevent cooling of the wood fiber as it is moved through the process. A tube dryer is a process unit.

Veneer means thin sheets of wood peeled or sliced from logs for use in the manufacture of wood products such as plywood, laminated veneer lumber, or other products.

Veneer redryer means a dryer heated by conventional means, such as direct wood-fired, direct-gas-fired, or steam heated, that is used to redry veneer that has been previously dried. Because the veneer dried in a veneer redryer has been previously dried, the inlet moisture content of the veneer entering the redryer is less than 25 percent (by weight, dry basis). Batch units used to redry veneer (such as redry cookers) are not considered to be veneer redryers. A veneer redryer is a process unit.

Wet control device means any equipment that uses water as a means of collecting an air pollutant. Wet control devices include scrubbers, wet electrostatic precipitators, and electrified filter beds. Wet control devices do not include biofilters or other equipment that destroys or degrades HAP.

Wet forming means the process of making a slurry of water, fiber, and additives into a mat of fibers to be compressed into a fiberboard or hardboard product.

Wood I-joists means a structural wood beam with an I-shaped cross section formed by bonding (with resin) wood or laminated veneer lumber flanges onto a web cut from a panel such as plywood or oriented strandboard.

Wood products enclosure means a permanently installed containment that was designed to meet the following physical design criteria:

(1) Any natural draft opening shall be at least four equivalent opening diameters from each HAP-emitting point, except for where board enters and exits the enclosure, unless otherwise specified by the EPA Administrator.

(2) The total area of all natural draft openings shall not exceed 5 percent of the surface area of the enclosure's four walls, floor, and ceiling.

(3) The average facial velocity of air through all natural draft openings shall be at least 3,600 meters per hour (200 feet per minute). The direction of airflow through all natural draft openings shall be into the enclosure.

(4) All access doors and windows whose areas are not included in item 2 of this definition and are not included in the calculation of facial velocity in item 3 of this definition shall be closed during routine operation of the process.

(5) The enclosure is designed and maintained to capture all emissions for discharge through a control device.

Work practice requirement means any design, equipment, work practice, or operational standard, or combination thereof, that is promulgated pursuant to section 112(h) of the CAA.

[69 FR 46011, July 30, 2004, as amended at 71 FR 8372, Feb. 16, 2006]

 # 036 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

BAT from Table 10 to Subpart DDDD of Part 63 - Applicability of General Provisions to Subpart DDDD

Table 10 is available at this web address: https://www.ecfr.gov/on/2017-09-01/title-40/chapter-I/subchapter-C/part-63/subpart-DDDD

[Source: 69 FR 46011, July 30, 2004]

 # 037 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

BAT from Appendix A to Subpart DDDD of Part 63 - Alternative Procedure To Determine Capture Efficiency From Enclosures

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Around Hot Presses in the Plywood and Composite Wood Products Industry Using Sulfur Hexafluoride Tracer Gas

Appendix A is available at this web address: https://www.ecfr.gov/on/2017-09-01/title-40/chapter-I/subchapter-C/part-63/subpart-DDDD

[69 FR 46011, July 30, 2004, as amended at 71 FR 8375, Feb. 16, 2006]

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

SECTION E. Source Group Restrictions.

Group Name: 02 - TESTING REQUIREMENTS

Group Description: Requirements for Stack Testing

Sources included in this group

ID	Name
104	MAT FORMING SYSTEM
107	SYSTEM 7, MAT REJECT
109	COOLING & STORAGE AREAS WITH BUILDING VENTS
110	SYSTEM 10 - DIAGONAL/SPLITTER/CUT-OFF SAWS
111	PRIMARY SANDER SYSTEM
112	SECONDARY SANDER SYSTEM
501	GE ENGINE #1 (5,966.6 HP) NATURAL GAS FUELED 4SLB NON-EMERG.
502	GE ENGINE #2 (5,966.6 HP) NATURAL GAS FUELED 4SLB NON-EMERG.
503	GE ENGINE #3 (5,966.6 HP) NATURAL GAS FUELED 4SLB NON-EMERG.
504	GE ENGINE #4 (5,966.6 HP) NATURAL GAS FUELED 4SLB NON-EMERG.
505	NESS WOOD DUST BURNER

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[The Source Testing Manual is PA DEP document number 274-0300-002. A Copy can be obtained at this web address: http://www.depgreenport.state.pa.us/elibrary/GetFolder?FolderID=4563]

(a) At least 90 calendar days prior to commencing an emissions testing program, a test protocol shall be submitted to the Department for review and approval in accordance with paragraph (i) of this condition. The test protocol shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.

(b) When testing of a source is required on a recurring basis, a single procedural protocol may be submitted for approval; thereafter, a letter, submitted at least 90 calendar days prior to commencing an emissions testing program, referencing the previously approved procedural protocol is sufficient if the letter is approved by the Department. The letter shall be submitted as required in paragraph (a). If modifications are made to the process(es), if a different stack testing company is used, or if an applicable section of the stack test manual has been revised since the approval, a new protocol shall be submitted for approval.

(c) At least 15 calendar days prior to commencing an emission testing program, notification as to the date and time of testing shall be given to the Department in accordance with paragraph (i) of this condition. Notification shall not be made without prior receipt of a protocol acceptance letter from the Department. The 15-day advance notifications of emissions testing dates shall be submitted directly to both:

(1) the Protocol Reviewer at Central Office Division of Source Testing at the email address provided by the protocol reviewer; and

(2) to the Northwest Regional Office Air Quality Inspector or New Source Review Engineer. Telephone the Northwest Regional Office at 814-332-6940 to obtain the email address of the Air Quality Inspector or Engineer.

(d) If the proposed testing did not occur per the required notification in paragraph (c) above, an electronic mail notification shall be sent within 15 calendar days after the expected completion date of the onsite testing to the Department, in accordance with paragraph (i) of this condition, indicating why the proposed completion date of the on-site testing was not adhered to.

(e) A complete test report shall be submitted to the Department no later than 60 calendar days after completion of the onsite testing portion of an emission test program.

(f) A complete test report shall include a summary of the emission results on the first page of the report indicating if each

SECTION E. Source Group Restrictions.

pollutant measured is within permitted limits and a statement of compliance or non-compliance with all applicable permit conditions. The summary results will include, at a minimum, the following information:

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

(2) Permit number(s) and condition(s) which are the basis for the evaluation.

(3) Summary of results with respect to each applicable permit condition.

(4) Statement of compliance or non-compliance with each applicable permit condition.

(g) 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.

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

(i) Pursuant to 25 Pa. Code §§ 139.53(a)(1) and 139.53(a)(3):

(1) All submittals, besides notifications, shall be accomplished through PSIMS*Online, available through https://www.depgreenport.state.pa.us/ecomm/Login.jsp

(2) If internet submittal cannot be accomplished, electronic copies of all source test submissions (notifications, protocols, reports, supplemental information, etc.) shall be emailed to both PSIMS Administration in Central Office and to Regional Office AQ Program at the following e-mail addresses:

CENTRAL OFFICE:
RA-EPstacktesting@pa.gov

NORTHWEST REGIONAL OFFICE:
RA-EPNWstacktesting@pa.gov

(j) The permittee shall ensure all federal reporting requirements contained in the applicable subpart of 40 CFR are followed, including timelines more stringent than those contained herein. In the event of an inconsistency or any conflicting requirements between state and the federal, the most stringent provision, term, condition, method or rule shall be used by default.

(k) Actions Related to Noncompliance Demonstrated by a Stack Test:

(1) If the results of a stack test, performed as required by this approval, exceed the level specified in any condition of this approval, the Permittee shall take appropriate corrective actions. Within 30 days of the Permittee receiving the stack test results, a written description of the corrective actions shall be submitted to the Department. The Permittee shall take appropriate action to minimize emissions from the affected facility while the corrective actions are being implemented. The Department shall notify the Permittee within 30 days, if the corrective actions taken are deficient. Within 30 days of receipt of the notice of deficiency, the Permittee shall submit a description of additional corrective actions to the Department. The Department reserves the authority to use enforcement activities to resolve noncompliant stack tests.

(2) If the results of the required stack test exceed any limit defined in this plan approval, the test was not performed in accordance with the stack test protocol or the source and/or air cleaning device was not operated in accordance with the plan approval, then another stack test shall be performed to determine compliance. Within 120 days of the Permittee receiving the original stack test results, a retest shall be performed. The Department may extend the retesting deadline if the Permittee demonstrates, to the Department's satisfaction, that retesting within 120 days is not practicable. Failure of the second test to demonstrate compliance with the limits in the plan approval, not performing the test in accordance with the stack test protocol or not operating the source and/or air cleaning device in accordance with the plan approval may be grounds for immediate revocation of the plan approval to operate the affected source.

SECTION E. Source Group Restrictions.

[Compliance with this operating permit condition assures compliances with Plan approval 16-132M, Section D, Source 104, Condition #002(a) 1 - 10.]
[Compliance with this operating permit condition assures compliances with Plan approval 16-132P, Section D, Source 105, Condition #002(a) 1 - 10.]
[Compliance with this operating permit condition assures compliances with Plan approval 16-132O, Section D, Source 107, Condition #002(b) - (f).]
[Compliance with this operating permit condition assures compliances with Plan approval 16-132H, Section C, Condition #003(b) for the Press In-Feed Vent (S108) and the Press Out-Feed Vent (S109) and Board Storage & Building Vent (S128) (of Source 109).]
[Compliance with this operating permit condition assures compliances with Plan approval 16-132P, Section D, Source 110, Condition #002(a) 1 - 10.]
[Compliance with this operating permit condition assures compliances with Plan approval 16-132M, Section D, Source 111, Condition #002(a) 1 - 10.]
[Compliance with this operating permit condition assures compliances with Plan approval 16-132M, Section D, Source 112, Condition #002(a) 1 - 10.]
[Compliance with this operating permit condition assures compliances with Plan approval 16-132P, Section D, Source 113, Condition #002(a) 1 - 10.]
[Compliance with this operating permit condition assures compliances with Plan approval 16-132H, Section C, Condition #003(b) for the Refiner Startup Dump Cyclone (C123).]
[Compliance with this operating permit condition assures compliances with Plan approval 16-132L, Section D, Sources 501, 502, 503, & 504, Conditions #003(a) 1 - 10.]
[Compliance with this operating permit condition assures compliances with Plan approval 16-132L, Section D, Source 505, Condition #002(a) 1 - 10.]
[Compliance with this operating permit condition assures compliances with Plan approval 16-132L, Section D, Source 506, Condition #002(a) 1 - 10.]

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

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

SECTION E. Source Group Restrictions.

Group Name: 03 - 63-ZZZZ EMERGENCY

Group Description: 40 CFR Part 63 Subpart ZZZZ, NESHAP requirements for emergency engines

Sources included in this group

ID	Name
125	DIESEL FUELED 196 HP EMERGENCY FIRE WATER PUMP
132	DIESEL FUELED 449 HP EMERGENCY GENERATOR

I. RESTRICTIONS.

Operation Hours Restriction(s).

 # 001 [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 requiremer

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

[Category 4 of Table 2d of Subpart ZZZZ applies to this source group and is printed under Work Practice Requirements in this section of the permit. Tables 1a, 1b, 2b, and 2c do not apply to the emergency engines of this source group.]

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

(f) If you own or operate an emergency stationary RICE, you must operate the emergency stationary RICE according to the requirements in paragraphs (f)(1) through (4) of this section. In order for the engine to be considered an emergency stationary RICE under this subpart, any operation other than emergency operation, maintenance and testing, 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) [These paragraphs were vacated by US Court of Appeals on May 1, 2015. Reference April 15, 2016, EPA Guidance on Vacatur of RICE NESHAP and NSPS Provisions for Emergency Engines.]

(3) [Not applicable]

(4) Emergency stationary RICE located at area sources of HAP may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing and emergency demand response provided in paragraph (f)(2) of this section. Except as provided in paragraphs (f)(4)(i) and (ii) of this section, the 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

SECTION E. Source Group Restrictions.

(i) Prior to May 3, 2014, the 50 hours per year for non-emergency situations can be used for peak shaving or non-emergency demand response to generate income for a facility, or to otherwise supply power as part of a financial arrangement with another entity if the engine is operated as part of a peak shaving (load management program) with the local distribution system operator and the power is provided only to the facility itself or to support the local distribution system.

(ii) The 50 hours per year for non-emergency situations can be used to supply power as part of a financial arrangement with another entity if all of the following conditions are met:

(A) The engine is dispatched by the local balancing authority or local transmission and distribution system operator.

(B) The dispatch is intended to mitigate local transmission and/or distribution limitations so as to avert potential voltage collapse or line overloads that could lead to the interruption of power supply in a local area or region.

(C) The dispatch follows reliability, emergency operation or similar protocols that follow specific NERC, regional, state, public utility commission or local standards or guidelines.

(D) The power is provided only to the facility itself or to support the local transmission and distribution system.

(E) The owner or operator identifies and records the entity that dispatches the engine and the specific NERC, regional, state, public utility commission or local standards or guidelines that are being followed for dispatching the engine. The local balancing authority or local transmission and distribution system operator may keep these records on behalf of the engine owner or operator.

[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).

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

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

What records must I keep?

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

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

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

(3) [Not applicable]

(4) [Not applicable]

SECTION E. Source Group Restrictions.

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

(b) - (c) [Not applicable]

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

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

(1) Not applicable.

(2) An existing stationary emergency RICE.

(3) [Not applicable.]

(f) If you own or operate any of the stationary RICE in paragraphs (f)(1) through (2) of this section, you must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The owner or operator must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. If the engine is used for the 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) [Not applicable]

(2) An existing emergency stationary RICE located at an area source of HAP emissions that does not meet the standards applicable to non-emergency engines.

[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]

 # 003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6660]

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

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

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

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

(c) You must keep each record readily accessible in hard copy or electronic form 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 off-site for the remaining 3 years.

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

V. REPORTING REQUIREMENTS.

 # 004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6640]

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

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

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

SECTION E. Source Group Restrictions.

(b) You must report each instance in which you did not meet each emission limitation or operating limitation in Tables 1a and 1b, Tables 2a and 2b, Table 2c, and Table 2d to this subpart that apply to you. These instances are deviations from the emission and operating limitations in this subpart. These deviations must be reported according to the requirements in §63.6650. [Text from the regulation which is not applicable is omitted from this paragraph in the TV permit.] [Category 4 of Table 2d of Subpart ZZZZ applies to this source group and is printed under Work Practice Requirements in this section of the permit. Tables 1a, 1b, 2b, and 2c do not apply to the emergency engines of this source group.]

(c) - (d) [Not applicable]

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

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

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

 # 005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6650]

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

What reports must I submit and when?

(a) - (e) [Not applicable]

(f) Each affected source that has obtained a title V operating permit pursuant to 40 CFR part 70 or 71 must report all deviations as defined in this subpart in the semiannual monitoring report required by 40 CFR 70.6 (a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A). If an affected source submits a Compliance report pursuant to Table 7 of this subpart along with, or as part of, the semiannual monitoring report required by 40 CFR 70.6(a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A), and the Compliance report includes all required information concerning deviations from any emission or operating limitation in this subpart, submission of the Compliance report shall be deemed to satisfy any obligation to report the same deviations in the semiannual monitoring report. However, submission of a Compliance report shall not otherwise affect any obligation the affected source may have to report deviations from permit requirements to the permit authority.

(g) - (h) [Not applicable]

[69 FR 33506, June 15, 2004, as amended at 75 FR 9677, Mar. 3, 2010; 78 FR 6705, Jan. 30, 2013]

VI. WORK PRACTICE REQUIREMENTS.

 # 006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63 Subpart ZZZZ Table 2d]

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

Requirements for Existing Stationary RICE Located at Area Sources of HAP Emissions

TABLE 2d for CI:

As stated in §§63.6603 and 63.6640, you must comply with the following requirements for existing stationary RICE located at area sources of HAP emissions:

[Category 4 applies. Non-applicable text and non-applicable categories are omitted.]

4. For each Emergency stationary CI [Compression Ignition engine] RICE (See note 2.),

you must meet the following requirement, except during periods of startup . . .

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

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necessary.

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

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

[75 FR page 9688, Mar. 3, 2010; 75 FR page 51595, Aug. 20, 2010; 78 FR 6700, Jan. 30, 2013]

 # 007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63 Subpart ZZZZ Table 6]

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

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

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

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

[Category 9 of Table 6 applies:]

For each existing emergency and black start stationary RICE located at an area source of HAP, Complying with the requirement of Work or Management practices, You must demonstrate continuous compliance by . . . .

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

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

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

[78 FR 6715, Jan. 30, 2013]

 # 008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6603]

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

What emission limitations, operating limitations, and other requirements must I meet if I own or operate an existing stationary RICE located at an area source of HAP emissions?

[The introductory paragraph of § 63.6603 pertaining to numerical standards does not apply to these emergency RICE.]

(a) If you own or operate an existing stationary RICE located at an area source of HAP emissions, you must comply with the requirements in Table 2d to this subpart and the operating limitations in Table 2b to this subpart that apply to you.

(b) - (f) [Not applicable]

[75 FR 9675, Mar. 3, 2010, as amended at 75 FR 51589, Aug. 20, 2010; 76 FR 12866, Mar. 9, 2011; 78 FR 6701, Jan. 30, 2013]

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 # 009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6605]

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

What are my general requirements for complying with this subpart?

(a) You must be in compliance with the 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]

 # 010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6625]

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

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

(a) - (d) [Not applicable]

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

(1) - (2) [Not applicable];

(3) An existing emergency or black start stationary RICE located at an area source of HAP emissions;

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

(f) If you own or operate an existing emergency stationary RICE located at an area source of HAP emissions, you must install a non-resettable hour meter if one is not already installed. [Non-applicable text omitted from this paragraph.]

(g) [Not applicable]

(h) If you operate a new, reconstructed, or existing stationary engine, you must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the emission standards applicable to all times other than startup in Tables 1a, 2a, 2c, and 2d to this subpart apply. [Tables 1a, 2a, 2c do not apply to the emergency engine of this source; Category 4 of Table 2d applies.]

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

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the engine. The analysis program must be part of the maintenance plan for the engine. [Non-applicable text is omitted from this paragraph.]

(j) [Does not apply]

[69 FR 33506, June 15, 2004, as amended at 73 FR 3606, Jan. 18, 2008; 75 FR 9676, Mar. 3, 2010; 75 FR 51589, Aug. 20, 2010; 76 FR 12866, Mar. 9, 2011; 78 FR 6703, Jan. 30, 2013]

VII. ADDITIONAL REQUIREMENTS.

 # 011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63 Subpart ZZZZ Table 8]

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

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

[Refer to regulation for Table 8 to 40 CFR Part 63 Subpart ZZZZ.]

 # 012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6665]

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

What parts of the General Provisions apply to me?

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

[Non-applicable language from the regulation is omitted from this paragraph.]

[75 FR 9678, Mar. 3, 2010]

 # 013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6675]

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

What definitions apply to this subpart?

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

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

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

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

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

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

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

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

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

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(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).

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

Malfunction means any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner which causes, or has the potential to cause, the emission limitations in an applicable standard to be exceeded. Failures that are caused in part by poor maintenance or careless operation are not malfunctions.

Subpart means 40 CFR part 63, subpart ZZZZ.

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

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

SECTION E. Source Group Restrictions.

Group Name: 04 - GE GENERATOR ENGINES

Group Description: Conditions from Plan Approval 16-132L for GE non-emergency generator engines 1 through 4

Sources included in this group

ID	Name
501	GE ENGINE #1 (5,966.6 HP) NATURAL GAS FUELED 4SLB NON-EMERG.
502	GE ENGINE #2 (5,966.6 HP) NATURAL GAS FUELED 4SLB NON-EMERG.
503	GE ENGINE #3 (5,966.6 HP) NATURAL GAS FUELED 4SLB NON-EMERG.
504	GE ENGINE #4 (5,966.6 HP) NATURAL GAS FUELED 4SLB NON-EMERG.

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[Plan Approval 16-132L]

The emissions at the outlet of the control (Oxidation Catalyst / SCR) shall not exceed the following:

(a) NOx: 0.075 g/hp-hr [Compliance with this requirement will show compliance with 40 CFR 60 Subpart JJJJ Table 1.]

(b) CO: 0.125 g/hp-hr [Compliance with this requirement will show compliance with 40 CFR 60 Subpart JJJJ Table 1.]

(c) VOC (NMNEHC as methane): 0.072 g/hp-hr [Compliance with this requirement will show compliance with 40 CFR 60 Subpart JJJJ Table 1.]

(d) PM10: 0.039 g/hp-hr

(e) PM2.5: 0.039 g/hp-hr

(f) SOx: 0.039 g/hp-hr.

[Compliance with the 0.075 g/hp-hr NOx emission restriction of paragraph (a) assures compliance with the less restrictive 0.6 g/hp-hr NOx emission limit from the presumptive RACT III provision of 25 Pa. Code § 129.112(g)(3)(ii).]

Operation Hours Restriction(s).

 # 002 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[Plan Approval 16-132L]

The engine shall exhaust through the TANN RTO (C505C) at least 50 percent of the operating time.

II. TESTING REQUIREMENTS.

 # 003 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[Plan Approval 16-132L]

(a) [The requirement from Plan approval 16-132L, Section D, Sources 501, 502, 503, & 504, Condition #003(a) for initial stack testing was completed on July 10, 2019.]

[Plan Approval 16-132L]

(b) In addition to the stack testing required by this condition, the facility shall conduct subsequent performance testing in accordance with the provisions of Chapter 139 (relating to sampling and testing) within 6 to 12 months prior to operating permit renewal. The stack test shall be performed while the aforementioned source is operating at the maximum but not

SECTION E. Source Group Restrictions.

less than the normal rated capacity as stated in the application. Testing shall be conducted for NOx, CO, and VOC using methods approved by the Department.

[Compliance with paragraph (a) requiring an initial stack test assures compliance with the initial compliance demonstration requirement from the presumptive RACT III provision of 25 Pa. Code § 129.115(b)(6).]

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.

[Plan Approval 16-132L]

The permittee shall maintain records of the following:

(a) Total hours operated on a 12-month rolling total;

(b) Total hours operated when exhausting through the TANN RTO (C505C) on a 12-month rolling total.

 # 005 [25 Pa. Code §129.115]

Written notification, compliance demonstration and recordkeeping and reporting requirements

[The following are RACT III Requirements.]

(a) [The notification requirement of 25 Pa. Code § 129.115(a) is a one-time requirement which was met with the September 26, 2022, submittal.]

(b) [Sections (b)(1) through (b)(5) do not apply to these sources. The requirement for an initial source test of (b)(6) is a one-time requirement which was met with the testing required by plan approval 16-132L.]

(c) - (e) [Not applicable to these sources.]

(f) The owner and operator of an air contamination source subject to this section and §§ 129.111 -- 129.114 shall keep records to demonstrate compliance with §§ 129.111 -- 129.114 and submit reports to the Department or appropriate approved local air pollution control agency in accordance with the applicable regulations in 25 Pa. Code, Part I, Subpart C, Article III (relating to air resources) and as specified in the operating permit or plan approval for the air contamination source as follows:

(1) The records shall include sufficient data and calculations to demonstrate that the requirements of §§ 129.111 -- 129.114 are met.

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

(3) The records necessary to determine compliance shall be reported to the Department or appropriate approved local air pollution control agency on a schedule specified in the applicable regulation or as otherwise specified in the operating permit or plan approval for the air contamination source.

(g) - (j) [Not applicable to these sources.]

(k) The records shall be retained by the owner or operator for 5 years and made available to the Department or appropriate approved local air pollution control agency upon receipt of a written request from the Department or appropriate approved local air pollution control agency.

SECTION E. Source Group Restrictions.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

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

SECTION E. Source Group Restrictions.

Group Name: 05 - 60-JJJJ GE GENERATOR ENGINES

Group Description: 40 CFR Part 60 Subpart JJJJ, NSPS requirements for GE non-emergency generator engines 1-4

Sources included in this group

ID	Name
501	GE ENGINE #1 (5,966.6 HP) NATURAL GAS FUELED 4SLB NON-EMERG.
502	GE ENGINE #2 (5,966.6 HP) NATURAL GAS FUELED 4SLB NON-EMERG.
503	GE ENGINE #3 (5,966.6 HP) NATURAL GAS FUELED 4SLB NON-EMERG.
504	GE ENGINE #4 (5,966.6 HP) NATURAL GAS FUELED 4SLB NON-EMERG.

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60 Subpart JJJJ Table 1]

Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines
Table 1 to Subpart JJJJ of Part 60.--

Table 1 to Subpart JJJJ of Part 60 - NOX, CO, and VOC Emission Standards for Stationary Non-Emergency SI Engines =100 HP

[Applicable categories of Table 1 to Subpart JJJJ are printed below. Non-applicable categories are omitted from this permit condition.]

The standards listed below from Table 1 for Non-Emergency SI Natural Gas engine, hp >= 500, manufactured after 7/1/2010 apply to these sources. However, these standards from Table 1 are streamlined out of the operating permit in favor of the more stringent standards for NOx, CO, and VOC from plan approval 16-132L printed in this permit. Compliance with the emission restrictions of plan approval 16-132L assures compliance with the emission standards of Table 1 of 40 CFR Part 60 Subpart JJJJ.

Because these sources are subject to more restrictive standards from plan approval, these standards are printed here for reference only, for the purpose of showing the date that the EPA promulagated the standards.

Emission Standards (See note a)
NOx: 1.0 g/bhp-hr
CO: 2.0 g/bhp-hr
VOC: 0.7 g/bhp-hr (See note d)
NOx: 82 ppmvd @ 15% O2
CO: 270 ppmvd @ 15% O2
VOC: 60 ppmvd @ 15% O2 (See note d)

Note a: Owners and operators of stationary non-certified SI engines may choose to comply with the emission standards in units of either g/HP-hr or ppmvd at 15 percent O2.

Note b: [Note b does not appy to this facility because this faciltiy is not required to comply with 40 CFR part 63, subpart ZZZZ, Table 2a.]

Note c: [Note c does not apply to engines greater than 130 hp.]

NOTE d: For purposes of this subpart, when calculating emissions of volatile organic compounds, emissions of formaldehyde should not be included.

[Source: 76 FR 37975, June 28, 2011]

 # 002 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4233]

Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines
What emission standards must I meet if I am an owner or operator of a stationary SI internal combustion engine?

(a) - (d) [Not applicable]

SECTION E. Source Group Restrictions.

(e) Owners and operators of stationary SI ICE with a maximum engine power greater than or equal to 75 KW (100 HP) (except gasoline and rich burn engines that use LPG) must comply with the emission standards in Table 1 to this subpart for their stationary SI ICE. For owners and operators of stationary SI ICE with a maximum engine power greater than or equal to 100 HP (except gasoline and rich burn engines that use LPG) manufactured prior to January 1, 2011 that were certified to the certification emission standards in 40 CFR part 1048 applicable to engines that are not severe duty engines, if such stationary SI ICE was certified to a carbon monoxide (CO) standard above the standard in Table 1 to this subpart, then the owners and operators may meet the CO certification (not field testing) standard for which the engine was certified.

(f) - (h) [Not applicable]

[73 FR 3591, Jan. 18, 2008, as amended at 76 FR 37973, June 28, 2011]

 # 003 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4234]

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

How long must I meet the emission standards if I am an owner or operator of a stationary SI internal combustion engine

Owners and operators of stationary SI ICE must operate and maintain stationary SI ICE that achieve the emission standards as required in § 60.4233 over the entire life of the engine.

[73 FR 3591, Jan. 18, 2008]

II. TESTING REQUIREMENTS.

 # 004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60 Subpart JJJJ Table 2]

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

Table 2 to Subpart JJJJ of Part 60.--

Refer to the regulation for Table 2 to 40 CFR Part 60 Subpart JJJJ - Requirements for Performance Tests.

[A copy of Table 2, which specifies test methods, is available at this web address: https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-60/subpart-JJJJ/appendix-Table%202%20to%20Subpart%20JJJJ%20of%20Part%2060]

[85 FR 63408, Oct. 7, 2020]

 # 005 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4243]

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

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

[From § 60.4243(b)(2)(ii)]

You must conduct an initial performance test and conduct subsequent performance testing every 8,760 hours or 3 years, whichever comes first, thereafter to demonstrate compliance.

[The initial stack testing on Sources 501, 502, 503, & 504 was conducted on July 8, 9, & 10, 2019.]

[The remaining applicable parts of the regulation § 60.4243 are printed under Work Practice Requirements.]

[73 FR 3591, Jan. 18, 2008, as amended at 76 FR 37974, June 28, 2011; 78 FR 6697, Jan. 30, 2013; 86 FR 34362, June 29, 2021]

 # 006 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4244]

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

What test methods and other procedures must I use if I am an owner or operator of a stationary SI internal combustion engine?

[A copy of the regulation, complete with formulas, is available at this web address: https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-60/subpart-JJJJ?toc=1]

Owners and operators of stationary SI ICE who conduct performance tests must follow the procedures in paragraphs (a) through (f) of this section.

(a) Each performance test must be conducted within 10 percent of 100 percent peak (or the highest achievable) load and

SECTION E. Source Group Restrictions.

according to the requirements in § 60.8 and under the specific conditions that are specified by Table 2 to this subpart.

(b) You may not conduct performance tests during periods of startup, shutdown, or malfunction, as specified in § 60.8(c). If your stationary SI internal combustion engine is non-operational, you do not need to startup the engine solely to conduct a performance test; however, you must conduct the performance test immediately upon startup of the engine.

(c) You must conduct three separate test runs for each performance test required in this section, as specified in § 60.8(f). Each test run must be conducted within 10 percent of 100 percent peak (or the highest achievable) load and last at least 1 hour.

(d) To determine compliance with the NOX mass per unit output emission limitation, convert the concentration of NOX in the engine exhaust using Equation 1 of this section:

Refer to regulation for formula.

[A copy of the regulation is available at this web address: https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-60/subpart-JJJJ?toc=1]

Where:
ER = Emission rate of NOX in g/HP-hr.
Cd = Measured NOX concentration in parts per million by volume (ppmv).
1.912 × 10-3 = Conversion constant for ppm NOX to grams per standard cubic meter at 20 degrees Celsius.
Q = Stack gas volumetric flow rate, in standard cubic meter per hour, dry basis.
T = Time of test run, in hours.
HP-hr = Brake work of the engine, horsepower-hour (HP-hr).

(e) To determine compliance with the CO mass per unit output emission limitation, convert the concentration of CO in the engine exhaust using Equation 2 of this section:

Refer to regulation for formula.

Where:
ER = Emission rate of CO in g/HP-hr.
Cd = Measured CO concentration in ppmv.
1.164 × 10-3 = Conversion constant for ppm CO to grams per standard cubic meter at 20 degrees Celsius.
Q = Stack gas volumetric flow rate, in standard cubic meters per hour, dry basis.
T = Time of test run, in hours.
HP-hr = Brake work of the engine, in HP-hr.

(f) For purposes of this subpart, when calculating emissions of VOC, emissions of formaldehyde should not be included. To determine compliance with the VOC mass per unit output emission limitation, convert the concentration of VOC in the engine exhaust using Equation 3 of this section:

Refer to regulation for formula.

Where:
ER = Emission rate of VOC in g/HP-hr.
Cd = VOC concentration measured as propane in ppmv.
1.833 × 10-3 = Conversion constant for ppm VOC measured as propane, to grams per standard cubic meter at 20 degrees Celsius.
Q = Stack gas volumetric flow rate, in standard cubic meters per hour, dry basis.
T = Time of test run, in hours.
HP-hr = Brake work of the engine, in HP-hr.

(g) If the owner/operator chooses to measure VOC emissions using either Method 18 of 40 CFR part 60, appendix A, or Method 320 of 40 CFR part 63, appendix A, then it has the option of correcting the measured VOC emissions to account for the potential differences in measured values between these methods and Method 25A. The results from Method 18 and

SECTION E. Source Group Restrictions.

Method 320 can be corrected for response factor differences using Equations 4 and 5 of this section. The corrected VOC concentration can then be placed on a propane basis using Equation 6 of this section.

Refer to regulation for formula.

Where:
RFi = Response factor of compound i when measured with EPA Method 25A.
CMi = Measured concentration of compound i in ppmv as carbon.
CAi = True concentration of compound i in ppmv as carbon.

Refer to regulation for formula.

Where:
Cicorr = Concentration of compound i corrected to the value that would have been measured by EPA Method 25A, ppmv as carbon.
Cimeas = Concentration of compound i measured by EPA Method 320, ppmv as carbon.

Refer to regulation for formula.

Where:
CPeq = Concentration of compound i in mg of propane equivalent per DSCM.
Notification, Reports, and Records for Owners and Operators

[73 FR 3591, Jan. 18, 2008]

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.

 # 007 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4245]
Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines
What are my notification, reporting, and recordkeeping requirements if I am an owner or operator of a stationary SI internal combustion engine?

Owners or operators of stationary SI ICE must meet the following notification, reporting and recordkeeping requirements.

(a) Owners and operators of all stationary SI ICE must keep records of the information in paragraphs (a)(1) through (4) of this section.

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

(2) Maintenance conducted on the engine.

(3) If the stationary SI internal combustion engine is a certified engine, documentation from the manufacturer that the engine is certified to meet the emission standards and information as required in 40 CFR parts 1048, 1054, and 1060, as applicable.

(4) If the stationary SI internal combustion engine is not a certified engine or is a certified engine operating in a non-certified manner and subject to § 60.4243(a)(2), documentation that the engine meets the emission standards.

(b) [Not applicable]

(c) Owners and operators of stationary SI ICE greater than or equal to 500 HP that have not been certified by an engine manufacturer to meet the emission standards in § 60.4231 must submit an initial notification as required in § 60.7(a)(1). The notification must include the information in paragraphs (c)(1) through (5) of this section.

SECTION E. Source Group Restrictions.

(1) Name and address of the owner or operator;

(2) The address of the affected source;

(3) Engine information including make, model, engine family, serial number, model year, maximum engine power, and engine displacement;

(4) Emission control equipment; and

(5) Fuel used.

(d) Owners and operators of stationary SI ICE that are subject to performance testing must submit a copy of each performance test as conducted in § 60.4244 within 60 days after the test has been completed. Performance test reports using EPA Method 18, EPA Method 320, or ASTM D6348-03 (incorporated by reference - see 40 CFR 60.17) to measure VOC require reporting of all QA/QC data. For Method 18, report results from sections 8.4 and 11.1.1.4; for Method 320, report results from sections 8.6.2, 9.0, and 13.0; and for ASTM D6348-03 report results of all QA/QC procedures in Annexes 1-7.

(e) [Not applicable]

[73 FR 3591, Jan. 18, 2008, as amended at 73 FR 59177, Oct. 8, 2008; 78 FR 6697, Jan. 30, 2013; 81 FR 59809, Aug. 30, 2016; 86 FR 34362, June 29, 2021]

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

 # 008 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4243]

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

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

(a) [Not applicable]

(b) If you are an owner or operator of a stationary SI internal combustion engine and must comply with the emission standards specified in § 60.4233(d) or (e), you must demonstrate compliance according to one of the methods specified in paragraphs (b)(1) and (2) of this section.

(1) [Paragraph (b)(1) of the regulation does not apply because these engines are not EPA-certified engines.]

(2) Purchasing a non-certified engine and demonstrating compliance with the emission standards specified in § 60.4233(d) or (e) and according to the requirements specified in § 60.4244, as applicable, and according to paragraphs (b)(2)(i) and (ii) of this section.

(i) [Not applicable]

(ii) If you are an owner or operator of a stationary SI internal combustion engine greater than 500 HP, you must keep a maintenance plan and records of conducted maintenance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, you must conduct an initial performance test and conduct subsequent performance testing every 8,760 hours or 3 years, whichever comes first, thereafter to demonstrate compliance.

(c) - (d) [Not applicable]

(e) Owners and operators of stationary SI natural gas fired engines may operate their engines using propane for a maximum of 100 hours per year as an alternative fuel solely during emergency operations, but must keep records of such use. If propane is used for more than 100 hours per year in an engine that is not certified to the emission standards when

SECTION E. Source Group Restrictions.

using propane, the owners and operators are required to conduct a performance test to demonstrate compliance with the emission standards of § 60.4233.

(f) [Not applicable]

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

(h) - (i) [Not applicable]

[73 FR 3591, Jan. 18, 2008, as amended at 76 FR 37974, June 28, 2011; 78 FR 6697, Jan. 30, 2013; 86 FR 34362, June 29, 2021]

VII. ADDITIONAL REQUIREMENTS.

 # 009 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60 Subpart JJJJ Table 3]

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

Table 3 to Subpart JJJJ of Part 60.--

Table 3 to Subpart JJJJ of Part 60 - Applicability of General Provisions to Subpart JJJJ

[As stated in §60.4246, you must comply with the following applicable General Provisions]

General Provisions Citation	Subject of Citation	Applies to Subpart	Explanation
§60.1	General applicability of the General Provisions	Yes	
§60.2	Definitions	Yes	Additional terms defined in §60.4248.
§60.3	Units and abbreviations	Yes	
§60.4	Address	Yes	
§60.5	Determination of construction or modification	Yes	
§60.6	Review of plans	Yes	
§60.7	Notification and Recordkeeping	Yes	Except that §60.7 only applies as specified in §60.4245.
§60.8	Performance tests	Yes	Except that §60.8 only applies to owners and operators who are subject to performance testing in subpart JJJJ.
§60.9	Availability of information	Yes	
§60.10	State Authority	Yes	
§60.11	Compliance with standards and maintenance requirements	Yes	Requirements are specified in subpart JJJJ.
§60.12	Circumvention	Yes	
§60.13	Monitoring requirements	No	
§60.14	Modification	Yes	
§60.15	Reconstruction	Yes	
§60.16	Priority list	Yes	
§60.17	Incorporations by reference	Yes	
§60.18	General control device requirements	No	
§60.19	General notification and reporting requirements	Yes	

[Source: 73 FR 3591, Jan. 18, 2008]

 # 010 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4246]

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

What parts of the General Provisions apply to me?

Table 3 to this subpart shows which parts of the General Provisions in §§ 60.1 through 60.19 apply to you.

[73 FR 3591, Jan. 18, 2008]

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 # 011 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4248]

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

What definitions apply to this subpart?

[Selected definitions are printed below. Refer to regulation for remaining definitions of 40 CFR Part 60 Subpart JJJJ.]

As used in this subpart, all terms not defined herein shall have the meaning given them in the CAA and in subpart A of this part.

Certified emissions life means the period during which the engine is designed to properly function in terms of reliability and fuel consumption, without being remanufactured, specified as a number of hours of operation or calendar years, whichever comes first. The values for certified emissions life for stationary SI ICE with a maximum engine power less than or equal to 19 KW (25 HP) are given in 40 CFR 1054.107 and 1060.101, as appropriate. The values for certified emissions life for stationary SI ICE with a maximum engine power greater than 19 KW (25 HP) certified to 40 CFR part 1048 are given in 40 CFR 1048.101(g). The certified emissions life for stationary SI ICE with a maximum engine power greater than 75 KW (100 HP) certified under the voluntary manufacturer certification program of this subpart is 5,000 hours or 7 years, whichever comes first. You may request in your application for certification that we approve a shorter certified emissions life for an engine family. We may approve a shorter certified emissions life, in hours of engine operation but not in years, if we determine that these engines will rarely operate longer than the shorter certified emissions life. If engines identical to those in the engine family have already been produced and are in use, your demonstration must include documentation from such in-use engines. In other cases, your demonstration must include an engineering analysis of information equivalent to such in-use data, such as data from research engines or similar engine models that are already in production. Your demonstration must also include any overhaul interval that you recommend, any mechanical warranty that you offer for the engine or its components, and any relevant customer design specifications. Your demonstration may include any other relevant information. The certified emissions life value may not be shorter than any of the following:

(1) 1,000 hours of operation.

(2) Your recommended overhaul interval.

(3) Your mechanical warranty for the engine.

Certified stationary internal combustion engine means an engine that belongs to an engine family that has a certificate of conformity that complies with the emission standards and requirements in this part, or of 40 CFR part 1048 or 1054, as appropriate.

Subpart means 40 CFR part 60, subpart JJJJ.

[73 FR 3591, Jan. 18, 2008, as amended at 73 FR 59177, Oct. 8, 2008; 76 FR 37974, June 28, 2011; 78 FR 6698, Jan. 30, 2013; 86 FR 34363, June 29, 2021]

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

SECTION E. Source Group Restrictions.

Group Name: 06 - 63-ZZZZ GE GENERATORS

Group Description: 40 CFR Part 63 Subpart ZZZZ, NESHAP requirements for GE non-emerg. generator engines 1-4

Sources included in this group

ID	Name
501	GE ENGINE #1 (5,966.6 HP) NATURAL GAS FUELED 4SLB NON-EMERG.
502	GE ENGINE #2 (5,966.6 HP) NATURAL GAS FUELED 4SLB NON-EMERG.
503	GE ENGINE #3 (5,966.6 HP) NATURAL GAS FUELED 4SLB NON-EMERG.
504	GE ENGINE #4 (5,966.6 HP) NATURAL GAS FUELED 4SLB NON-EMERG.

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 [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) [Not applicable.]

(2) New stationary RICE.

(i) - (ii) [Not applicable.]

(iii) A stationary RICE located at an area source of HAP emissions is new if you commenced construction of the stationary RICE on or after June 12, 2006.

(3) [Not applicable]

SECTION E. Source Group Restrictions.

(b) [Paragraph (b) of the regulation is not applicable to these sources.]

(c) Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines. No further requirements apply for such engines under this part.

(1) A new or reconstructed stationary RICE located at an area source;

(2) - (7) [Paragraphs (2) through (7) of this section are not applicable to these sources.]

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

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

SECTION E. Source Group Restrictions.

Group Name: 07 - 16-132L

Group Description: Homer City Language for plan approval 16-132L

Sources included in this group

ID	Name
104	MAT FORMING SYSTEM
109	COOLING & STORAGE AREAS WITH BUILDING VENTS
110	SYSTEM 10 - DIAGONAL/SPLITTER/CUT-OFF SAWS
111	PRIMARY SANDER SYSTEM
112	SECONDARY SANDER SYSTEM
123	REFINER STARTUP DUMP (ID #23)
501	GE ENGINE #1 (5,966.6 HP) NATURAL GAS FUELED 4SLB NON-EMERG.
502	GE ENGINE #2 (5,966.6 HP) NATURAL GAS FUELED 4SLB NON-EMERG.
503	GE ENGINE #3 (5,966.6 HP) NATURAL GAS FUELED 4SLB NON-EMERG.
504	GE ENGINE #4 (5,966.6 HP) NATURAL GAS FUELED 4SLB NON-EMERG.
505	NESS WOOD DUST BURNER
506	SURPLUS WOOD DUST COLLECTION SYSTEM

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) This source is subject to the provisions of Plan Approval 16-132L, the conditions of which are incorporated into this Title V permit. The extension of plan approval 16-132L was re-issued as plan approval 16-00132L. Any violation of the plan approval would also be deemed a violation of this Title V Operating Permit.

(b) This incorporation of this plan approval into this Title V Operating Permit shall not be construed to require the permittee to implement the project that is the subject of the plan approval, unless an enforcement action, regulation or statute independently requires otherwise.

(c) This Title V permit shall not be construed to provide any independent, ongoing authority for the construction or operation of the project that is the subject of Plan Approval 16-132L, unless and until the permittee applies for, and is granted, a future administrative amendment to this Title V permit for that project, once it has been determined by the Department to have completed its respective temporary operation phase under the authority of that plan approval.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

SECTION E. Source Group Restrictions.

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

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

SECTION F. Alternative Operation Requirements.

No Alternative Operations exist for this Title V facility.

SECTION G. Emission Restriction Summary.

Source Id	Source Description
099	GAS FIRED SPACE HEATERS/FURNACES (27)

Emission Limit			Pollutant
500.000	PPMV	dry basis [25 Pa Code 123.21]	SOX
0.040	gr/DRY FT3	[25 Pa Code 123.13]	TSP
0.460	Tons/Yr	based on a consecutive 12-month period [From Plan Approval 16-132H]	VOC

Source Id	Source Description
505	NESS WOOD DUST BURNER

Emission Limit			Pollutant
44.000	Lbs/Hr	without engines [Plan approval 16-132L]	CO
182.200	Tons/Yr	without engines - based on a consecutive 12-month period [Plan approval 16-132L]	CO
209.970	Tons/Yr	with engines - based on a consecutive 12-month period [Plan approval 16-132L]	CO
23.500	Lbs/Hr	without engines [Plan approval 16-132L]	NOX
97.290	Tons/Yr	without engines - based on a consecutive 12-month period [Plan approval 16-132L]	NOX
113.950	Tons/Yr	with engines - based on a consecutive 12-month period [Plan approval 16-132L]	NOX
8.000	Lbs/Hr	without engines [Plan approval 16-132L]	PM10
33.100	Tons/Yr	without engines - based on a consecutive 12-month period [Plan approval 16-132L]	PM10
41.770	Tons/Yr	with engines - based on a consecutive 12-month period [Plan approval 16-132L]	PM10
8.000	Lbs/Hr	without engines [Plan approval 16-132L]	PM2.5
33.100	Tons/Yr	without engines - based on a consecutive 12-month period [Plan approval 16-132L]	PM2.5
41.770	Tons/Yr	with engines - based on a consecutive 12-month period [Plan approval 16-132L]	PM2.5
3.424	Lbs/Hr	without engines [Plan approval 16-132L]	SOX
14.175	Tons/Yr	without engines - based on a consecutive 12-month period [Plan approval 16-132L]	SOX
22.850	Tons/Yr	with engines - based on a consecutive 12-month period [Plan approval 16-132L]	SOX
7.550	Lbs/Hr	without engines [Plan approval 16-132L]	VOC
31.260	Tons/Yr	without engines - based on a consecutive 12-month period [Plan approval 16-132L]	VOC
32.060	Tons/Yr	with engines - based on a consecutive 12-month period [Plan approval 16-132L]	VOC

Source Id	Source Description
104	MAT FORMING SYSTEM

Emission Limit			Pollutant
1.320	Lbs/Hr	[Plan Approval 16-132M]	PM10
5.780	Tons/Yr	based on a 12-month rolling total [Plan Approval 16-132M]	PM10
1.320	Lbs/Hr	[Plan Approval 16-132M]	PM2.5
5.780	Tons/Yr	based on a 12-month rolling total [Plan Approval 16-132M]	PM2.5
0.004	gr/DRY FT3	total (filterable & condensable) [Plan Approval 16-132M]	TSP
1.320	Lbs/Hr	total (filterable & condensable) [Plan Approval 16-132M]	TSP

SECTION G. Emission Restriction Summary.

Source Id	Source Description

5.780	Tons/Yr	total (filterable & condensable) based on a 12-month rolling total [Plan Approval 16-132M]	TSP
0.800	Lbs/Hr	[Plan Approval 16-132H]	VOC
3.310	Tons/Yr	based on a 12 consecutive month period [Plan Approval 16-132H]	VOC

105 SYSTEM 5, MAT CLEANUP FANS, FORMING AREA, & DUST EXTRACTION

Emission Limit			Pollutant
1.320	Lbs/Hr	[Plan approval 16-132P]	PM10
5.780	Tons/Hr	based on a 12-month rolling total [Plan approval 16-132P]	PM10
1.320	Lbs/Hr	[Plan approval 16-132P]	PM2.5
5.780	Tons/Yr	based on a 12-month rolling total [Plan approval 16-132P]	PM2.5
0.004	gr/DRY FT3	total (filterable & condensable) [Plan approval 16-132P]	TSP
1.320	Lbs/Hr	total (filterable & condensable) [Plan approval 16-132P]	TSP
5.780	Tons/Yr	total (filterable & condensable) based on a 12-month rolling total [Plan approval 16-132P]	TSP

107 SYSTEM 7, MAT REJECT

Emission Limit			Pollutant
0.004	gr/DRY FT3	Filterable Only [Plan approval 16-132O]	TSP
0.830	Lbs/Hr	Plan Approval 16-132H	VOC
3.440	Tons/Yr	Plan Approval 16-132H	VOC

109 COOLING & STORAGE AREAS WITH BUILDING VENTS

Emission Limit			Pollutant
0.260	Lbs/Hr	Roof vent # 28 [Plan approval 16-132B]	TSP
0.410	Lbs/Hr	Roof vent # 8 [Plan approval 16-132B]	TSP
0.410	Lbs/Hr	Roof vent # 9 [Plan approval 16-132B]	TSP
1.100	Tons/Yr	based on a consecutive 12-month period for Roof vent # 28 [Plan approval 16-132B]	TSP
1.700	Tons/Yr	based on a consecutive 12-month period for Roof vent # 8 [Plan approval 16-132B]	TSP
1.700	Tons/Yr	based on a consecutive 12-month period for Roof vent # 9 [Plan approval 16-132B]	TSP
0.540	Lbs/Hr	Roof vent # 8 [Plan approval 16-132H]	VOC
0.850	Lbs/Hr	Roof vent # 9 [Plan approval 16-132H]	VOC
1.140	Lbs/Hr	Roof vent # 28 [Plan approval 16-132H]	VOC
2.240	Tons/Yr	based on a consecutive 12-month period for Roof vent # 8 [Plan approval 16-132H]	VOC
3.520	Tons/Yr	based on a consecutive 12-month period for Roof vent # 9 [Plan approval 16-132H]	VOC
4.720	Tons/Yr	based on a consecutive 12-month period for Roof vent # 28 [Plan approval 16-132H]	VOC

SECTION G. Emission Restriction Summary.

Source Id	Source Description
110	SYSTEM 10 - DIAGONAL/SPLITTER/CUT-OFF SAWS

Emission Limit			Pollutant
1.050	Lbs/Hr	[Plan approvals 16-132M & P]	PM10
4.600	Tons/Yr	based on a 12-month rolling total [Plan approvals 16-132M & P]	PM10
1.050	Lbs/Hr	[Plan approvals 16-132M & P]	PM2.5
4.600	Tons/Yr	based on a 12-month rolling total [Plan approvals 16-132M & P]	PM2.5
0.004	gr/DRY FT3	total (filterable & condensable) [Plan approvals 16-132M & P]	TSP
1.050	Lbs/Hr	total (filterable & condensable) [Plan approvals 16-132M & P]	TSP
4.600	Tons/Yr	total (filterable & condensable) based on a 12-month rolling total [Plan approvals 16-132M & P]	TSP
0.150	Lbs/Hr	From System 13 Splitter/Cut/Trim Saws) [Plan approval 16-132H]	VOC
0.620	Tons/Yr	From System 13 Splitter/Cut/Trim Saws) [Plan approval 16-132H]	VOC
1.750	Lbs/Hr	From System 10 Hogger/Cut Saws) [Plan approval 16-132H]	VOC
7.250	Tons/Yr	From System 10 Hogger/Cut Saws) [Plan approval 16-132H]	VOC

Source Id	Source Description
111	PRIMARY SANDER SYSTEM

Emission Limit			Pollutant
3.230	Lbs/Hr	for Source 111 & Source 112 [Plan approval 16-132M]	PM10
7.070	Tons/Yr	based on a 12-month rolling total for Source 111 & Source 112 [Plan approval 16-132M]	PM10
3.230	Lbs/Hr	for Source 111 & Source 112 [Plan approval 16-132M]	PM2.5
7.070	Tons/Yr	based on a 12-month rolling total for Source 111 & Source 112 [Plan approval 16-132M]	PM2.5
0.004	gr/DRY FT3	total (filterable & condensable) for Source 111 & Source 112 [Plan approval 16-132M]	TSP
3.230	Lbs/Hr	total (filterable & condensable) for Source 111 & Source 112 [Plan approval 16-132M]	TSP
7.070	Tons/Yr	total (filterable & condensable) based on a 12-month rolling total for Source 111 & Source 112 [Plan approval 16-132M]	TSP

Source Id	Source Description
112	SECONDARY SANDER SYSTEM

Emission Limit			Pollutant
1.320	Lbs/Hr	for Source 112 & Source 111 [Plan approval 16-132M]	PM10
5.780	Tons/Yr	based on a 12-month rolling totalcon for Source 112 & Source 111 [Plan approval 16-132M]	PM10
1.320	Lbs/Hr	for Source 112 & Source 111 [Plan approval 16-132M]	PM2.5
5.780	Tons/Yr	based on a 12-month rolling totalcon for Source 112 & Source 111 [Plan approval 16-132M]	PM2.5

SECTION G. Emission Restriction Summary.

Source Id	Source Description

0.004	gr/DRY FT3	total (filterable & condensable) for Source 112 & Source 111 [Plan approval 16-132M]	TSP
1.320	Lbs/Hr	total (filterable & condensable) for Source 112 & Source 111 [Plan approval 16-132M]	TSP
5.780	Tons/Yr	total (filterable & condensable) based on a 12-month rolling total for Source 112 & Source 111 [Plan approval 16-132M]	TSP
0.530	Lbs/Hr	for System 12 (Secondary Sander) [Plan approval 16-132H]	VOC
2.190	Tons/Yr	for System 12 (Secondary Sander) [Plan approval 16-132H]	VOC

113 SYSTEM 13 - FINISHING & BOLSTER SAWS

Emission Limit			Pollutant
0.710	Lbs/Hr	[Plan approvals 16-132M & P]	PM10
3.110	Tons/Yr	based on a 12-month rolling total [Plan approvals 16-132M & P]	PM10
0.710	Lbs/Hr	[Plan approvals 16-132M & P]	PM2.5
3.110	Tons/Yr	based on a 12-month rolling total [Plan approvals 16-132M & P]	PM2.5
0.004	gr/DRY FT3	total (filterable & condensable) [Plan approvals 16-132M & P]	TSP
0.710	Lbs/Hr	total (filterable & condensable) [Plan approvals 16-132M & P]	TSP
3.110	Tons/Yr	total (filterable & condensable) based on a 12-month rolling total [Plan approvals 16-132M & P]	TSP

119 SYSTEM 19 (DRY DUST HANDLING & FUEL FEED SYSTEM)

Emission Limit			Pollutant
3.340	Tons/Yr	based on a consecutive 12-month rolling total [Plan Approval 16-132K]	PM10
3.340	Tons/Yr	based on a consecutive 12-month rolling total [Plan Approval 16-132K]	PM2.5
0.004	gr/DRY FT3	[Plan Approval 16-132K]	TSP
3.340	Tons/Yr	based on a consecutive 12-month rolling total [Plan Approval 16-132K]	TSP

122 ASH HANDLING SYSTEM

Emission Limit			Pollutant
0.495	Tons/Yr	based on a consecutive 12-month rolling total [Plan Approval 16-132K]	PM10
0.495	Tons/Yr	based on a consecutive 12-month rolling total [Plan Approval 16-132K]	PM2.5
0.004	gr/DRY FT3	[Plan Approval 16-132K]	TSP
0.495	Tons/Yr	based on a consecutive 12-month rolling total [Plan Approval 16-132K]	TSP

SECTION G. Emission Restriction Summary.

Source Id	Source Description
123	REFINER STARTUP DUMP (ID #23)

Emission Limit			Pollutant
0.509	Tons/Yr	[Plan approval 16-132H]	TSP
10.170	Lbs/Hr	[Plan approval 16-132H]	TSP
0.290	Tons/Yr	[Plan approval 16-132H]	VOC
5.800	Lbs/Hr	[Plan approval 16-132H]	VOC

Source Id	Source Description
124	PARTS WASHER

Emission Limit			Pollutant
0.330	Tons/Yr	12-month rolling total [Plan Approval 16-132H]	VOC

Source Id	Source Description
125	DIESEL FUELED 196 HP EMERGENCY FIRE WATER PUMP

Emission Limit			Pollutant
500.000	PPMV	[25 Pa Code 123.21]	SOX
0.040	gr/DRY FT3	[25 Pa Code 123.13]	TSP

Source Id	Source Description
132	DIESEL FUELED 449 HP EMERGENCY GENERATOR

Emission Limit			Pollutant
500.000	PPMV	[25 Pa Code 123.21]	SOX
0.040	gr/DRY FT3	[25 Pa Code 123.13]	TSP

Source Id	Source Description
501	GE ENGINE #1 (5,966.6 HP) NATURAL GAS FUELED 4SLB NON-EMERG.

Emission Limit			Pollutant
0.125	GRAMS/HP-Hr	[Plan approval 16-132L]	CO
2.000	GRAMS/HP-Hr	[40 CFR Part 63 Subpart JJJJ]	CO
270.000	PPMV	Dry at 15% O2 [40 CFR Part 63 Subpart JJJJ]	CO
0.075	GRAMS/HP-Hr	[Plan approval 16-132L]	NOX
1.000	GRAMS/HP-Hr	[40 CFR Part 63 Subpart JJJJ]	NOX
82.000	PPMV	Dry at 15% O2 [40 CFR Part 63 Subpart JJJJ]	NOX
0.039	GRAMS/HP-Hr	[Plan approval 16-132L]	PM10
0.039	GRAMS/HP-Hr	[Plan approval 16-132L]	PM2.5
0.039	GRAMS/HP-Hr	[Plan approval 16-132L]	SOX
0.072	GRAMS/HP-Hr	NMNEHC as methane [Plan approval 16-132L]	VOC
0.700	GRAMS/HP-Hr	[40 CFR Part 63 Subpart JJJJ]	VOC
60.000	PPMV	Dry at 15% O2 [40 CFR Part 63 Subpart JJJJ]	VOC

Source Id	Source Description
502	GE ENGINE #2 (5,966.6 HP) NATURAL GAS FUELED 4SLB NON-EMERG.

Emission Limit			Pollutant
0.125	GRAMS/HP-Hr	[Plan approval 16-132L]	CO
2.000	GRAMS/HP-Hr	[40 CFR Part 63 Subpart JJJJ]	CO
270.000	PPMV	Dry at 15% O2 [40 CFR Part 63 Subpart JJJJ]	CO
0.075	GRAMS/HP-Hr	[Plan approval 16-132L]	NOX
1.000	GRAMS/HP-Hr	[40 CFR Part 63 Subpart JJJJ]	NOX
82.000	PPMV	Dry at 15% O2 [40 CFR Part 63 Subpart JJJJ]	NOX
0.039	GRAMS/HP-Hr	[Plan approval 16-132L]	PM10

SECTION G. Emission Restriction Summary.

Source Id	Source Description

0.039	GRAMS/HP-Hr	[Plan approval 16-132L]	PM2.5
0.039	GRAMS/HP-Hr	[Plan approval 16-132L]	SOX
0.072	GRAMS/HP-Hr	NMNEHC as methane [Plan approval 16-132L]	VOC
0.700	GRAMS/HP-Hr	[40 CFR Part 63 Subpart JJJJ]	VOC
60.000	PPMV	Dry at 15% O2 [40 CFR Part 63 Subpart JJJJ]	VOC

503 GE ENGINE #3 (5,966.6 HP) NATURAL GAS FUELED 4SLB NON-EMERG.

Emission Limit			Pollutant
0.125	GRAMS/HP-Hr	[Plan approval 16-132L]	CO
2.000	GRAMS/HP-Hr	[40 CFR Part 63 Subpart JJJJ]	CO
270.000	PPMV	Dry at 15% O2 [40 CFR Part 63 Subpart JJJJ]	CO
0.075	GRAMS/HP-Hr	[Plan approval 16-132L]	NOX
1.000	GRAMS/HP-Hr	[40 CFR Part 63 Subpart JJJJ]	NOX
82.000	PPMV	Dry at 15% O2 [40 CFR Part 63 Subpart JJJJ]	NOX
0.039	GRAMS/HP-Hr	[Plan approval 16-132L]	PM10
0.039	GRAMS/HP-Hr	[Plan approval 16-132L]	PM2.5
0.039	GRAMS/HP-Hr	[Plan approval 16-132L]	SOX
0.072	GRAMS/HP-Hr	NMNEHC as methane [Plan approval 16-132L]	VOC
0.700	GRAMS/HP-Hr	[40 CFR Part 63 Subpart JJJJ]	VOC
60.000	PPMV	Dry at 15% O2 [40 CFR Part 63 Subpart JJJJ]	VOC

504 GE ENGINE #4 (5,966.6 HP) NATURAL GAS FUELED 4SLB NON-EMERG.

Emission Limit			Pollutant
0.125	GRAMS/HP-Hr	[Plan approval 16-132L]	CO
2.000	GRAMS/HP-Hr	[40 CFR Part 63 Subpart JJJJ]	CO
270.000	PPMV	Dry at 15% O2 [40 CFR Part 63 Subpart JJJJ]	CO
0.075	GRAMS/HP-Hr	[Plan approval 16-132L]	NOX
1.000	GRAMS/HP-Hr	[40 CFR Part 63 Subpart JJJJ]	NOX
82.000	PPMV	Dry at 15% O2 [40 CFR Part 63 Subpart JJJJ]	NOX
0.039	GRAMS/HP-Hr	[Plan approval 16-132L]	PM10
0.039	GRAMS/HP-Hr	[Plan approval 16-132L]	PM2.5
0.039	GRAMS/HP-Hr	[Plan approval 16-132L]	SOX
0.072	GRAMS/HP-Hr	NMNEHC as methane [Plan approval 16-132L]	VOC
0.700	GRAMS/HP-Hr	[40 CFR Part 63 Subpart JJJJ]	VOC
60.000	PPMV	Dry at 15% O2 [40 CFR Part 63 Subpart JJJJ]	VOC

506 SURPLUS WOOD DUST COLLECTION SYSTEM

Emission Limit			Pollutant
1.770	Tons/Yr	based on a consecutive 12-month period [Plan approval 16-132L]	PM10
1.770	Tons/Yr	based on a consecutive 12-month period [Plan approval 16-132L]	PM2.5
0.005	gr/DRY FT3	filterable & condensable [Plan approval 16-	TSP

SECTION G. Emission Restriction Summary.

Source Id	Source Description

		132L]	
1.770	Tons/Yr	filterable & condensable based on a consecutive 12-month period [Plan approval 16-132L]	TSP

Site Emission Restriction Summary

Emission Limit			Pollutant
49.500	Tons/Yr	For Boards and Laminates Plants combined [Plan approval 16-132N]	VOC

SECTION H. Miscellaneous.

(a) This facility is located at 143 Fiberboard Road, Shippenville, PA 16254.

Clarion Boards, LLC, is owned by parent company Kronospan, Inc. Kronospan also owns Clarion Laminates, LLC, located on the adjacent property at 301 Fiberboard Road.

This facility is a Major Source with respect to Potential Emissions of NOx and CO. Potential emissions of Particulate Matter, SOx, VOC, and HAPs are below the major source thresholds, therefore, this facility is an area source of PM, SOx, VOC, and HAPs.

The following eFACTS ID's are assigned to this facility for this permit issuance:
Permit number: 16-00132
Records Management System (RMS) Facility Name: Clarion Bd
RMS ID: 42341
APS ID: 710988
Master Auth ID: 819966
Client ID: 228254
Site ID: 465210
Primary Facility (PF) ID: 495543

(b) The Capacity/Throughput numbers listed in Section A, the Site Inventory List, and provided in Section D of this permit for individual sources are for informational purposes only and are not to be considered enforceable limits. The actual enforceable emission and operating limits for each source, with the correct number of significant digits, are listed in Sections C, D, and E of this permit. The Emission Restriction Summary in Section G of this permit is for information purposes only and is not to be used to establish enforceable limits.

(c) Abbreviations used in this permit:

Schematics:
FML: Fuel material location
CU: Combustion Unit
PROC: Process
CNTL: Control device
STAC: Stack. The stack can represent either the emission point or fugitive emissions in a permit map.

Pollutants:
CO: Carbon Monoxide
NOx: Nitrogen Oxides
SOx: Sulfur Oxides
TSP: Total Suspended Particulate (includes both filterable and condensable)
PM10: Particulate Matter less than 10 microns
PM2.5: Particulate Matter less than 2.5 microns
VOC: Volatile Organic Compounds
HAP: Hazardous Air Pollutant

Source ID: Department assigned ID number for the source
Source Name: Department assigned name for the source
Capacity/Throughput: The maximum rated capacity or throughput for the source. The maximum rated capacity or throughput is not considered an enforceable limit. Enforceable limits are contained within the conditions of the permit.
Fuel/Material: The fuel/material assigned to SCC for the source

AIMS: Air Information Management System -- the DEP electronic database for permitting and emission reports
CAM: Compliance Assurance Monitoring (40 CFR Part 64)
CFR: Code of Federal Regulations
CI: Combustion Ignition
CMS: Continuous Monitoring System
Department: Pennsylvania Department of Environmental Protection (the DEP)
eFacts: Environmental Facility Application Compliance Tracking System -- the DEP electronic database for inspection reports
ICE: Internal Combustion Engine
ICI: Industrial, Commercial, and Institutional
NESHAP: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 63)
NMNEHC: Non-Methane, Non-Ethane Hydrocarbons

SECTION H. Miscellaneous.

NSPS: New Source Performance Standards (40 CFR Part 60)
NWRO: Northwest Regional Office of PA DEP
RACT I: The Reasonably Available Control Technology requirements of 25 Pa. Code §§ 129.93 through 129.95 promulgated on January 14, 1994, for control of NOx and VOC.
RACT II: The Reasonably Available Control Technology requirements of 25 Pa. Code §§ 129.96 through 129.100 promulgated on April 23, 2016 for control of NOx and VOC.
RFD: Request for Determination of Changes of Minor Significance & Exemption from plan approval.
RICE: Reciprocating Internal Combustion Engine
SCC: Source Classification Code as defined by EPA
SI: Spark Ignition
Source: An air contamination source (25 Pa. Code § 121.1).

(d) All reports, submittals, and other communications required by this permit shall be submitted electronically to the PA DEP Northwest Regional office located at the following address. Web addresses for electronic submittals to this office are below.

Bureau of Air Quality
Department of Environmental Protection
230 Chestnut Street
Meadville, PA 16335
814-332-6940 (phone)
814-332-6121 (fax)
Office Hours 8 a.m. - 4 p.m.
800-541-2050 (after hours)

(i) Spills and other emergencies should be reported immediately to DEP by telephone at 800-541-2050.

(ii) Submittals of Asbestos Abatements and Demolition/Renovation Notification Forms should be made via the Online Asbestos Notification System. Information and links are located at this web address:

https://www.dep.pa.gov/Business/Air/BAQ/BusinessTopics/Pages/Asbestos.aspx

(iii) Submittals of Annual emissions inventory, if required, must be made via the DEP's AES*Online secure website. Information and links are located at this web address:

https://www.dep.pa.gov/Business/Air/BAQ/BusinessTopics/Emission/Pages/default.aspx

(iv) Submittals pertaining to emissions testing (protocols, test reports, supplemental information, etc.) shall be made by emailing electronic copies submissions to both PSIMS Administration in Central Office and to Regional Office AQ Program at the following e-mail addresses:

CENTRAL OFFICE:
RA-EPstacktesting@pa.gov

NORTHWEST REGIONAL OFFICE:
RA-EPNWstacktesting@pa.gov

(v) The 15-day advance notifications of emissions testing dates shall be submitted directly to both:
(1) the Protocol Reviewer at Central Office Division of Source Testing at the email address provided by the protocol reviewer; and
(2) to the Northwest Regional Office Air Quality Inspector. Telephone the Northwest Regional Office at 814-332-6940 to obtain the email address of the Air Quality Inspector.

(vi) Submittals of RFD's shall be made via the DEP's Greenport website at https://greenport.pa.gov

(vii) All other submittals to this office should be made via the DEP's OnBase electronic upload website at this web address:

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

(e) Submittals to the EPA are made to the EPA Region III office.

SECTION H. Miscellaneous.

(1) The regional EPA address is:

Section Chief
U.S. Environmental Protection Agency Region III
Enforcement and Compliance Assurance Division
Air Section (3ED21)
1650 Arch Street
Philadelphia, PA 19103-2029

(2) Electronic compliance certifications should be sent to the email at the following email address. Include the following in the email subject line: name of facility, state, and Title V operating permit number.

R3_APD_Permits@epa.gov

(f) • Source ID: 099 consists of (approximately) the following 27 natural gas fired space heating units:

NAME	MANUFACTURER	Btu RATING	LOCATION
MAU-1	Reznor	125,000	North Side Mezzanine
MAU-2	Hastings	6,050,000	Outfeed of the Press
MAU-3	Hastings	6,050,000	Infeed of the Press
MAU-4	Hastings	6,050,000	Forming Building
MAU-5	Hastings	5,091,000	N.W. Corner of Mezzanine
MAU-6	Hastings	5,091,000	Mezzanine (Over Maintenance)
MAU-7	Hastings	5,091,000	Shipping Office
MAU-8	King	825,000	Maintenance Area
F-1	York	40,000	Truckers Facility
F-2	Reznor	500,000	North Side of Mazzanine
F-4	York	55,000	Mazz. (Over Team Leaders)
F-5	Reznor	125,000	Mezzanine (Over Lab)
GUH-1	Sterling	200,000	Maintenance Area
GUH-2A	Sterling	400,000	N.E. Corner of Energy Bldg.
GUH-2B	Sterling	400,000	East Side of Energy Bldg.
GUH-3A	Sterling	100,000	Refiner Building
GUH-3B	Sterling	100,000	Refiner Building
GUH-4A	Sterling	200,000	Mezzanine (Over Forming MCC)
GUH-4B	Sterling	200,000	Mezzanine (Over Forming MCC)
GUH-5A	Sterling	200,000	North Side of Tank Farm
GUH-5B	Sterling	200,000	South Side of Tank Farm
GUH-6	Sterling	175,000	Maintenance Cleanroom
GUH-7	Sterling	125,000	Storeroom
GUH-8	Sterling	125,000	Toolroom
GUH-9	Sterling	125,000	Energy Generator Room
GUH-10	Sterling	125,000	Emergency Generator Room
GUH-11	Sterling	125,000	Tank Room

• Source 134, Liquid Raw Material Storage Tanks, consists of the following tanks:

Material Stored in Tank	Tank Capacity
Urea-formaldehyde (4 tanks)	1,600 gallons (each)
Swing Tank (Can contain different liquids)	11,600 gallons
Combi or Scavenger Resins	11,600 gallons
Urea	11,600 gallons
Wax	11,600 gallons

(g) This operating permit is newly issued on December 21, 2010, and includes the conditions of previous plan approvals.

For the purposes of plan approval 16-132H and this operating permit, the following sources are described as follows.

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• Source 104, Mat Forming System, consists of Mat Side Trim and Mat Shave Off.

• Source 107, Mat Reject System, consists of Exhaust from System 5, Line dribble from Former, and Reject Hopper.

• Source 109, Building Vents, consists of:
(1) Press In-Feed Vent (Ref 11 - Source 8) [permit ID S108] - vent located above press area
(2) Press Out-Feed Vent (Ref 10 - Source 9) [permit ID S109] - vent located above the press out-feed area
(3) Board Storage and Building Vent (Ref 9 - Source 28) [permit ID S128] - vent located above the board storage (cooling) area

• Source 123, Refiner Startup Dump, is described as follows: Downstream of the refiner, a diverter valve directs fiber mixture from the refiner to either the 1st Stage Dryer during normal operations or to the Refiner Start-Up Dump at system start-up until proper pre-dryer fiber conditions are achieved. When directed to the Start-Up Dump, the fiber mixture is directed through a cyclone and collected in a bin. During normal operation, the fiber mixture is directed to the 1st Stage Dryer and onto the 1st Stage Dryer Cyclones.

(h) This permit was administratively amended on January 27, 2012, to incorporate the requirements of plan approval 16-132I (change of NOx emission #/hr limit) and the RFD approval for modifying the hours of operation for Source 123 to 100 hrs/yr.

(i) This permit was administratively amended on February 28, 2014, to incorporate the requirements of plan approval 16-132J.

(j) This permit was renewed on January 19, 2016.

(k) The permit was administratively amended on August 7, 2019, effective August 8, 2019 to incorporate plan approval 16-132K and to change the name of the facility to Clarion Boards LLC and to change the tax ID.

The following notes are from Plan Approval Number 16-132K. Plan approval 16-132K was for exhausting the 2nd stage dryer to atmosphere through baghouses, for removal of the total press enclosure while still capturing emissions from the press area, for removal of the 3rd stage fiber conditioning system as a source, and for inclusion of existing sources not included in the facility operating permit.

• Source 101 (EPI Energy Unit & Fiber Drying System) consisted of the following. The EPI Energy Unit was subsequently removed from the facility with the modifications authorized with plan approval 16-132L. The 1st Stage Dryer has been re-identified in the permit as Source 101A.

(1) 1st Stage Dryer (PR025):
Energy System Boiler (steam) ---> Refiner ---> S/U Dump (123) ---> Atm (no hot gas is sent to dump - only clean steam is conveyed to S/U dump)
Inlet Air Stack Manifold [exhaust from EPI ESP (C101A) & Air Intake from atmosphere] ---> 1st Stage Dryer FD Fan ---> 1st Stage Dryer ---> 1st Stage Dryer Air / Material Separators ---> Wet Scrubber (C101BB) ---> RTO (C101C) ---> Atm
Inlet Air Stack Manifold [exhaust from EPI ESP (C101A) & Air Intake from atmosphere] ---> 1st Stage Dryer FD Fan ---> 1st Stage Dryer ---> 1st Stage Dryer Air / Material Separators ---> 2nd Stage Dryer

(2) 2nd Stage Dryer (PR026) - The 2nd Stage Drying was removed from the facility with the modifications authorized with plan approval 16-132L.
2nd Stage Dryer (PR026) ---> 2nd Stage Dryer Air / Material Separator ---> Dryer ID Fan ---> 2nd Stage Bahouses ---> Atm

(3) The 3rd Stage Fiber Conditioning System (PR027) is a closed loop that consists of the following:

Fiber Conditioner FD Fan ---> Two Westec Air Graders ---> 3rd Stage Dryer ---> 3rd Stage Dryer Air / Material Separator ---> Conditioner System ID Fan ---> Two Westec Air Graders

(4) Press Emissions ---> Venturi Scrubber ---> EPI FD Fan ---> EPI Combustor ---> EPI Combustor ESP (C101A) ---> Inlet Air Stack Manifold [exhaust from EPI ESP (C101A) & Air Intake from atmosphere] ---> 1st Stage Dryer FD Fan

(5) The total press enclosure that was used to capture emissions from the Press area will have the sides removed. However, the existing hoods will still be used to control emissions and its exhaust path will remain the same as shown above. The sides are being removed to assist in cleaning the area and minimizing explosive risks due to dust accumulation. [From plan

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approval 16-132K]

(l) The permit was administratively amended on October 9, 2019, to incorporate plan approval 16-132N.

(m) The following sources were defined in Section H of plan approval 16-132L.

- Source 501 (GE Engine #1) consists of the following:
  (1) GE Jenbacher model JMC 624 GS-H01 4SLB engine rated at 5,933.6 bhp
  (2) Exhaust gas from engine goes either directly to atmosphere via stack S501 or to the drying system (Source 101)

- Source 502 (GE Engine #2) consists of the following:
  (1) GE Jenbacher model JMC 624 GS-H01 4SLB engine rated at 5,933.6 bhp
  (2) Exhaust gas from engine goes either directly to atmosphere via stack S502 or to the drying system (Source 101)

- Source 503 (GE Engine #3) consists of the following:
  (1) GE Jenbacher model JMC 624 GS-H01 4SLB engine rated at 5,933.6 bhp
  (2) Exhaust gas from engine goes either directly to atmosphere via stack S503 or to the drying system (Source 101)

- Source 504 (GE Engine #1) consists of the following:
  (1) GE Jenbacher model JMC 624 GS-H01 4SLB engine rated at 5,933.6 bhp
  (2) Exhaust gas from engine goes either directly to atmosphere via stack S504 or to the drying system (Source 101)

- Source 505 (Ness Wood Dust Burner) consists of the following:
  (1) Ness wood dust burner rated at 137 million btu/hr;
  (2) Wood dust from the existing wood dust system and the new surplus wood dust bin (Source 506) is combusted in the Ness Wood Dust Burner with the exhaust gases being exhausted to an existing ESP (C101A) for PM control. The exhaust gases then go to the dryer system (Source 101) and eventually exhaust to the 2 new high efficiency cyclones (C505B) for PM control prior to the exhaust gases entering the TANN RTO (C505C).

- Source 101A (Drying System) consists of the 1st Stage Dryer (PR025) which was previously considered part of Source 101.

- Control C505C (TANN RTO) controls emissions from the following:
  (1) Drying System (Source 101);
  (2) Press Emissions (The total press enclosure that was used to capture emissions from the Press area will have the sides removed. However, the existing hoods will still be used to control emissions and its exhaust path will remain the same as shown above. The sides are being removed to assist in cleaning the area and minimizing explosive risks due to dust accumulation.); and
  (3) GE Engines #1 – 4 (Sources 501, 502, 503, & 504).

(n) The following sources were defined in Section H of plan approval 16-132P.

- Source 105 [Mat Cleanup Fans (System 5 - Forming Area & Dust Extraction)] is located in Press Building at southwest end of Press along the sides of the Matt Former leading into the Press. Several fans clean up the excess fiber cut off the edge of the boards prior to going through Main Press.

- Source 110 (Diagonal, Splitter & Cut-off Saws) consists of System 10 Diagonal saw, splitter saws, cut-off saws & side trim saws. The saws are located in Press Building at northwest end of Press leading into Finishing Building near Testing Lab.

- Source 113 [Finishing & Bolster Saws (System 13)] consists of Main Bolster Saw, Dado Saw, and a Chop Saw, located in Finishing Building near Maintenance Shop and Office.

(o) This Title V operating permit renewal, effective July 14, 2023, is issued on July 14, 2023. The conditions of the following plan approvals listed in (1) through (5) below are newly incorporated in the Title V permit at this renewal. This renewal also includes the removal of VOC testing for baghouses C104, C107, C110, C111, & C112 as part of the determination made by the Department during the discussions for the May 15, 2023, CACP. This renewal also moves the language of 40 CFR Part 63 Subpart DDDD from Section C of the permit to Section E of the permit and incorporates the language of up until and including the Oct. 29, 2007, amendment of Subpart DDDD. There was an amendment to Subpart DDDD on Aug. 13, 2020, which does not apply to the sources at this facility at the time of this renewal because there were no plan approvals after the Aug. 13, 2020, amendment for which the requirements of Subpart DDDD were the basis of BAT. It is noted that effective with the results of 11/10/2020 stack test on C505C,

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the RTO, this facility is no longer a major source of HAPs and therefore 40 CFR Part 63 Subpart DDDD no longer applies -- except as BAT for the prior plan approvals. Therefore, the language of Subpart DDDD is now cited as regulatory language of 25 Pa. Code § 129.12b.

(1) 16-132L - The conditions of this plan approval are included in the TV renewal in accordance with the EPA Homer City Decision.

(2) 16-132M - This plan approval is being administratively amended into the TV permit at this renewal.

(3) 16-132O - This plan approval is being administratively amended into the TV permit at this renewal.

(4) 16-132P - This plan approval is being administratively amended into the TV permit at this renewal.

(5) 16-132Q - The conditions of this plan approval are incorporated by reference in the TV renewal in accordance with the EPA Homer City Decision.

(p) The permit was administratively amended on March 25, 2024 to incorporate the requirements of plan approval 16-132Q.

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