

West Virginia Department of Environmental Protection
Division of Air Quality

Earl Ray Tomblin
Governor

Randy C. Huffman
Cabinet Secretary

Permit to Operate



Pursuant to
Title V
of the Clean Air Act

Issued to:
American Woodmark Corporation
South Branch Plant
R30-03100030-2011

John A. Benedict
Director

Issued: November 1, 2011 • Effective: November 15, 2011
Expiration: November 1, 2016 • Renewal Application Due: May 1, 2016

Permit Number: **R30-03100030-2011** ([SM01](#))
Permittee: **American Woodmark Corporation**
Facility Name: **South Branch Plant**
Permittee Mailing Address: **587 Robert C. Byrd Industrial Park, Moorefield, WV 26836**

This permit is issued in accordance with the West Virginia Air Pollution Control Act (West Virginia Code §§ 22-5-1 et seq.) and 45CSR30 — Requirements for Operating Permits. The permittee identified at the above-referenced facility is authorized to operate the stationary sources of air pollutants identified herein in accordance with all terms and conditions of this permit.

Facility Location:	Moorefield, Hardy County, West Virginia
Facility Mailing Address:	587 Robert C. Byrd Industrial Park Road, Moorefield, WV 26836
Telephone Number:	304-530-1100
Type of Business Entity:	Corporation
Facility Description:	The main processes of the plant are the manufacture and finishing of wood doors and frames for shipment to American Woodmark Corporation facilities across the nation for final assembly into finished kitchen and vanity cabinets. Primary processes will include dimensioning of kiln-dried wood; assembly of parts to create either doors or frames; and finishing of doors, frames and miscellaneous parts.
SIC Codes:	2434
UTM Coordinates:	677.73 km Easting • 4,327.129 km Northing • Zone 17

Permit Writer: Denton B. McDerment

Any person whose interest may be affected, including, but not necessarily limited to, the applicant and any person who participated in the public comment process, by a permit issued, modified or denied by the Secretary may appeal such action of the Secretary to the Air Quality Board pursuant to article one [§§ 22B-1-1 et seq.], Chapter 22B of the Code of West Virginia. West Virginia Code §22-5-14.

Issuance of this Title V Operating Permit does not supersede or invalidate any existing permits under 45CSR13, 14 or 19, although all applicable requirements from such permits governing the facility's operation and compliance have been incorporated into the Title V Operating Permit.

Table of Contents

1.0.	Emission Units and Active R13, R14, and R19 Permits.....	3
2.0.	General Conditions.....	8 9
3.0.	Facility-Wide Requirements and Permit Shield.....	17 18

Source-specific Requirements

4.0.	Rotary Sanding Machines, Panel Cleaning Machines, Manual Sanding Conveyors, Wide Belt Sanding Machines, Denibbing Machines and Mill Area Equipment.....	30 31
5.0.	Wood and Natural Gas-Fired Boilers.....	32 36
6.0.	Recuperative Thermal Oxidizers	40 44
7.0.	Storage Tanks	43 47
8.0.	Paint Spray Booth	45 49
9.0.	U.V. Roll Coaters and Ovens.....	46 50
10.0.	Wood Fuel Silo, Sawdust Hopper	47 51
11.0.	Fire Pump Engine.....	49 53
<u>12.0.</u>	<u>Waste-Solvent Recovery Still</u>	<u>57</u>

1.0 Emission Units and Active R13, R14, and R19 Permits

1.1 Emission Units

Emission Unit ID	Emission Point ID	Emission Unit Description	Year Installed	Design Capacity	Control Device
Dust-A1.1	E7/E8	Rotary Sanding Machine	2004		BH5/BH6
Dust-A1.2	E7/E8	Panel Cleaning Machine	2004		BH5/BH6
VOC-A1.1	E9/E10	Preheater included with Automatic Spray Machine w/ Belt Cleaning System	2004		RT01/RT02
VOC-A1.2	E9/E10	Stain Wiping Machine	2004		RT01/RT02
VOC-A1.3	E9/E10	Oven	2004		RT01/RT02
VOC-A1.4	E9/E10	Oven	2004		RT01/RT02
VOC-A1.5	E9/E10	Oven	2004		RT01/RT02
Dust-A2.1	E7/E8	Rotary Sanding Machine	2004		BH5/BH6
Dust-A2.2	E7/E8	Panel Cleaning Machine	2004		BH5/BH6
VOC-A2.1	E9/E10	Preheater included with Automatic Spray Machine w/ Belt Cleaning System	2004		RT01/RT02
VOC-A2.2	E9/E10	Oven	2004		RT01/RT02
VOC-A2.3	E9/E10	Oven	2004		RT01/RT02
VOC-A2.4	E9/E10	Oven	2004		RT01/RT02
Dust-A3.1	E7/E8	Rotary Sanding Machine	2004		BH5/BH6
Dust-A3.2	E7/E8	Manual Sanding Conveyor	2004		BH5/BH6
Dust-A3.3	E7/E8	Panel Cleaning Machine	2004		BH5/BH6
VOC-A3.1	E9/E10	Preheater included with Automatic Spray Machine w/ Belt Cleaning System	2004		RT01/RT02
VOC-A3.2	E9/E10	Oven	2004		RT01/RT02
VOC-A3.3	E9/E10	Oven	2004		RT01/RT02
VOC-A3.4	E9/E10	Oven	2004		RT01/RT02
VOC-A3.5	E9/E10	Oven	2004		RT01/RT02
VOC-A3.6	E9/E10	Oven	2004		RT01/RT02

Emission Unit ID	Emission Point ID	Emission Unit Description	Year Installed	Design Capacity	Control Device
Dust-A4.1	E7/E8	Manual Sanding Conveyor	2004		BH5/BH6
Dust-A4.2	E7/E8	Manual Sanding Conveyor	2004		BH5/BH6
Dust-A4.3	E7/E8	Manual Sanding Conveyor	2004		BH5/BH6
Dust-A4.4	E7/E8	Rotary Sanding Conveyor	2004		BH5/BH6
Dust-A4.5	E7/E8	Panel Cleaning Machine	2004		BH5/BH6
VOC-A4.1	E9/E10	Preheater included with Automatic Spray Machine w/ Belt Cleaning System	2004		RTO1/RTO2
VOC-A4.2	E9/E10	Oven	2004		RTO1/RTO2
VOC-A5.1	E9/E10	Preheater included with Automatic Spray Machine w/ Belt Cleaning System	2004		RTO1/RTO2
VOC-A5.2	E9/E10	Stain Wiping Machine	2004		RTO1/RTO2
VOC-A5.3	E9/E10	Oven	2004		RTO1/RTO2
VOC-A5.4	E9/E10	Oven	2004		RTO1/RTO2
VOC-A5.5	E9/E10	Oven	2004		RTO1/RTO2
Dust-A5.1	E7/E8	Rotary Sanding Conveyor	2004		BH5/BH6
Dust-A5.2	E7/E8	Panel Cleaning Machine	2004		BH5/BH6
VOC-A6.1	E9/E10	Preheater included with Automatic Spray Machine w/ Belt Cleaning System	2004		RTO1/RTO2
VOC-A6.2	E9/E10	Oven	2004		RTO1/RTO2
VOC-A6.3	E9/E10	Oven	2004		RTO1/RTO2
VOC-A6.4	E9/E10	Oven	2004		RTO1/RTO2
Dust-A6.1	E7/E8	Rotary Sanding Conveyor	2004		BH5/BH6
Dust-A6.2	E7/E8	Panel Cleaning Machine	2004		BH5/BH6
VOC-A7.1	E9/E10	Preheater included with Automatic Spray Machine w/ Belt Cleaning System	2004		RTO1/RTO2
VOC-A7.2	E9/E10	Oven	2004		RTO1/RTO2
VOC-A7.3	E9/E10	Oven	2004		RTO1/RTO2

Emission Unit ID	Emission Point ID	Emission Unit Description	Year Installed	Design Capacity	Control Device
VOC-A7.4	E9/E10	Oven	2004		RTO1/RTO2
VOC-A7.5	E9/E10	Oven	2004		RTO1/RTO2
Dust-A7.1	E7/E8	Rotary Sanding Machine	2004		BH5/BH6
Dust-A7.2	E7/E8	Manual Sanding Conveyor	2004		BH5/BH6
Dust-A7.3	E7/E8	Panel Cleaning Machine	2004		BH5/BH6
VOC-A8.1	E9/E10	Preheater included with Automatic Spray Machine w/ Belt Cleaning System	2004		RTO1/RTO2
VOC-A8.2	E9/E10	Oven	2004		RTO1/RTO2
VOC-A8.3	E9/E10	Oven	2004		RTO1/RTO2
VOC-A8.4	E9/E10	Oven	2004		RTO1/RTO2
VOC-A8.5	E9/E10	Oven	2004		RTO1/RTO2
VOC-A8.6	E9/E10	Oven	2004		RTO1/RTO2
VOC-A8.7	E9/E10	Oven Cooling	2004		RTO1/RTO2
VOC-A8.8	E9/E10	Oven Cooling	2004		RTO1/RTO2
VOC-A8.9	E9/E10	Oven Cooling	2004		RTO1/RTO2
VOC-B1.1	E9/E10	Automatic Robotic Spray Machine	2004		RTO1/RTO2
VOC-B1.2	E9/E10	Hot Air Flash Tunnel with Recycle	2004		RTO1/RTO2
VOC-B1.3	E9/E10	Hot Air Flash Tunnel with Recycle	2004		RTO1/RTO2
VOC-B2.1	E9/E10	Automatic Robotic Spray Machine	2004		RTO1/RTO2
VOC-B2.2	E9/E10	Hot Air Flash Tunnel with Recycle	2004		RTO1/RTO2
VOC-B2.3	E9/E10	Hot Air Flash Tunnel with Recycle	2004		RTO1/RTO2
VOC-B3.1	NA	N.2 Roll Coater Machine	2004		NA
VOC-B3.2	E-B8	UV Oven UV 2000	2004	9,252 CFM	NA
VOC-B3.3	NA	N.2 Roll Coater Machine	2004		NA
VOC-B3.4	E-B8	UV Oven UV 2000	2004	9,252 CFM	NA
Dust-B1.1	E7/E8	Wide Belt Sanding Machine	2004		BH5/BH6
Dust-B1.2	E7/E8	Denibbing Machine	2004		BH5/BH6
VOC-B4.1	NA	N.2 Roll Coater Machine	2004		NA
VOC-B4.2	NA	N.2 Roll Coater Machine	2004		NA

Emission Unit ID	Emission Point ID	Emission Unit Description	Year Installed	Design Capacity	Control Device
VOC-B4.3	E9/E10	Jet Nozzles Oven with Infrared Lamps	2004		RTO1/RTO2
VOC-B5.1	NA	N.2 Roll Coater Machine	2004		NA
VOC-B5.2	NA	N.2 Roll Coater Machine	2004		NA
VOC-B5.3	E9/E10	Stain Wiping Machine	2004		RTO1/RTO2
VOC-B5.4	E9/E10	Hot Air Laminar Oven with Recycle	2004		RTO1/RTO2
VOC-B5.5	E9/E10	Jet Nozzles Oven with Infrared Lamps	2004		RTO1/RTO2
Dust-B2.1	E7/E8	Denibbing Machine	2004		BH5/BH6
VOC-B6.1	NA	N.2 Roll Coater Machine	2004		NA
VOC-B6.2	E-B9	UV Oven UV 2000	2004	20,734 CFM	NA
VOC-B7.1	NA	N.2 Roll Coater Machine	2004		NA
VOC-B7.2	E-B9	UV Oven UV 2000	2004	20,734 CFM	NA
Dust-B3.1	E7/E8	Denibbing Machine	2004		BH5/BH6
VOC-B8.1	NA	N.2 Roll Coater Machine	2004		NA
VOC-B8.2	E-B9	UV Oven UV 2000	2004	20,734 CFM	NA
Dust-B4.1	E7/E8	Denibbing Machine	2004		BH5/BH6
VOC-B9.1	NA	N.2 Roll Coater Machine	2004		NA
VOC-B9.2	E-B9	UV Oven UV 2000	2004	20,734 CFM	NA
PR	E11	Bulk Storage Tanks - Pump Room	2004/2007	Varies. (Per Tank Max = 19,812 gal)	NA
TB1	E9/E10, E12	Paint Spray Booth	2008	8,000 CFM 1Gal/Day	RTO1/RTO2
SD13 (S13 in R13- 2571)	E13	Sawdust Hopper	2007	5,000 lb/hr	PE
S1	E23	Wood Dust Silo #1	2004	46,000 ft ³	BV1
B1	E4	600 HP wood-fired boiler	2004	28.8 MMBtu/hr	C1
B2	E5	500 HP natural gas-fired boiler	2004	20.9 MMBtu/hr	NA
B4	E-B4	Natural gas-fired auxiliary boiler		1.22 MMBtu/hr	NA

Emission Unit ID	Emission Point ID	Emission Unit Description	Year Installed	Design Capacity	Control Device
FP1	E14	Diesel-powered fire water pump	2004	300 HP	NA
Mill Area	E1, E2, E3, E6	Mill Area Equipment	2004	NA	BH1, BH2, BH3, BH4
SB02	E9,E10, E15	Paint Spray Booth	2008		RTO 1&2
SB03	E9,E10, E16	Paint Spray Booth	2008		RTO 1&2
Dust-A8.1	E7/E8	Unisander	2013		BH5/BH6
Dust-MA1	E17/E18	Vollmer Auto Precision Grinder	2013		BH7/BH8
Dust-MA2	E17/E18	Framestock Notcher	2013		BH7/BH8
Dust-A8.2	E7/E8	Roba Tech t-1300/D1	2013		BH5/BH6
Dust-MA3	E17/E18	Koch Sprint PTP	2013		BH7/BH8
Dust-MA4	E17/E18	Koch Dowel Machine	2013		BH7/BH8
Dust-MA5	E17/E18	Koch Stile #2	2013		BH7/BH8
Dust-MA6	E17/E18	CNC Two Spindle Insert Shaper	2013		BH7/BH8
Dust-MA7	E17/E18	CNC Router-Expedite Cell	2013		BH7/BH8
Dust-MA8	E17/E18	Cutter & Tool Grinder - Cinci	2013		BH7/BH8
Dust-MA9	E17/E18	Forest City Cluster Drill	2013		BH7/BH8
Dust-MA10	E17/E18	OMGA T50 350 Miter Saw S/Bed	2013		BH7/BH8
Dust-MA11	E17/E18	Fletcher Trim/Shape Sander	2013		BH7/BH8
Dust-MA12	E17/E18	Diehl Rip Saw	2013		BH7/BH8
Dust-IL1	E17/E18	Heismen Polisher	2013		BH7/BH8
Dust-IL2	E17/E18	Miscellaneous Sander	2013		BH7/BH8
Dust-IL3	E17/E18	Door Insert Machine	2013		BH7/BH8
Dust-IL4	E17/E18	Panel Shaper	2013		BH7/BH8
Dust-IL5	E17/E18	CNC	2013		BH7/BH8
Dust-IL6	E17/E18	Door Finisher	2013		BH7/BH8
PR-SS2	E11	Waste-Solvent Recovery Still	2013	1.71 gal/hr	None

Emission Unit ID	Emission Point ID	Emission Unit Description	Year Installed	Design Capacity	Control Device
Control Devices					
Control Device ID	Emission Point ID	Control Device Description	Year Installed	Capacity	Control Device
RTO1	E9	Recuperative Thermal Oxidizer (RTO)	2004	58,500 CFM	NA
RTO2	E10	Recuperative Thermal Oxidizer (RTO)	2004	58,500 CFM	NA
BV1	E23	Silo Bin Vent	2004		NA
C1	E4	Hurst Boiler and Welding Multiclone	2004		NA
BH1	E1	Baghouse 1	2004	53,000 CFM	NA
BH2	E2	Baghouse 2	2004	53,000 CFM	NA
BH3	E3	Baghouse 3	2004	48,725 CFM	NA
BH4	E6	Baghouse 4	2004	48,725 CFM	NA
BH5	E7	Baghouse 5	2004	53,000 CFM	NA
BH6	E8	Baghouse 6	2004	53,000 CFM	NA
BH7	E17	Baghouse 7	2013	50,000 CFM	NA
BH8	E18	Baghouse 8	2013	50,000 CFM	NA

1.2. Active R13, R14, and R19 Permits

The underlying authority for any conditions from R13, R14, and/or R19 permits contained in this operating permit is cited using the original permit number (e.g. R13-1234). The current applicable version of such permit(s) is listed below.

Permit Number	Date of Issuance
R13-2571 <u>KL</u>	February 18, 2010 December 18, 2012

2.0 General Conditions

2.1 Definitions

- 2.1.1. All references to the "West Virginia Air Pollution Control Act" or the "Air Pollution Control Act" mean those provisions contained in W.Va. Code §§ 22-5-1 to 22-5-18.
- 2.1.2. The "Clean Air Act" means those provisions contained in 42 U.S.C. §§ 7401 to 7671q, and regulations promulgated thereunder.
- 2.1.3. "Secretary" means the Secretary of the Department of Environmental Protection or such other person to whom the Secretary has delegated authority or duties pursuant to W.Va. Code §§ 22-1-6 or 22-1-8 (45CSR§30-2.12.). The Director of the Division of Air Quality is the Secretary's designated representative for the purposes of this permit.
- 2.1.4. Unless otherwise specified in a permit condition or underlying rule or regulation, all references to a "rolling yearly total" shall mean the sum of the monthly data, values or parameters being measured, monitored, or recorded, at any given time for the previous twelve (12) consecutive calendar months.

2.2 Acronyms

CAAA	Clean Air Act Amendments	NSPS	New Source Performance Standards
CBI	Confidential Business Information	PM	Particulate Matter
CEM	Continuous Emission Monitor	PM₁₀	Particulate Matter less than 10µm in diameter
CES	Certified Emission Statement	pph	Pounds per Hour
C.F.R. or CFR	Code of Federal Regulations	ppm	Parts per Million
CO	Carbon Monoxide	PSD	Prevention of Significant Deterioration
C.S.R. or CSR	Codes of State Rules	psi	Pounds per Square Inch
DAQ	Division of Air Quality	SIC	Standard Industrial Classification
DEP	Department of Environmental Protection	SIP	State Implementation Plan
FOIA	Freedom of Information Act	SO₂	Sulfur Dioxide
HAP	Hazardous Air Pollutant	TAP	Toxic Air Pollutant
HON	Hazardous Organic NESHAP	TPY	Tons per Year
HP	Horsepower	TRS	Total Reduced Sulfur
lbs/hr or lb/hr	Pounds per Hour	TSP	Total Suspended Particulate
LDAR	Leak Detection and Repair	USEPA	United States Environmental Protection Agency
m	Thousand	UTM	Universal Transverse Mercator
MACT	Maximum Achievable Control Technology	VEE	Visual Emissions Evaluation
mm	Million	VOC	Volatile Organic Compounds
mmBtu/hr	Million British Thermal Units per Hour		
mmft³/hr or mmcf/hr	Million Cubic Feet Burned per Hour		
NA or N/A	Not Applicable		
NAAQS	National Ambient Air Quality Standards		
NESHAPS	National Emissions Standards for Hazardous Air Pollutants		
NO_x	Nitrogen Oxides		

2.3. Permit Expiration and Renewal

- 2.3.1. Permit duration. This permit is issued for a fixed term of five (5) years and shall expire on the date specified on the cover of this permit, except as provided in 45CSR§30-6.3.b. and 45CSR§30-6.3.c.
[45CSR§30-5.1.b.]
- 2.3.2. A permit renewal application is timely if it is submitted at least six (6) months prior to the date of permit expiration.
[45CSR§30-4.1.a.3.]
- 2.3.3. Permit expiration terminates the source's right to operate unless a timely and complete renewal application has been submitted consistent with 45CSR§30-6.2. and 45CSR§30-4.1.a.3.
[45CSR§30-6.3.b.]
- 2.3.4. If the Secretary fails to take final action to deny or approve a timely and complete permit application before the end of the term of the previous permit, the permit shall not expire until the renewal permit has been issued or denied, and any permit shield granted for the permit shall continue in effect during that time.
[45CSR§30-6.3.c.]

2.4. Permit Actions

- 2.4.1. This 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 any permit condition.
[45CSR§30-5.1.f.3.]

2.5. Reopening for Cause

- 2.5.1. This permit shall be reopened and revised under any of the following circumstances:
- a. Additional applicable requirements under the Clean Air Act or the Secretary's legislative rules become applicable to a major source with a remaining permit term of three (3) or more years. Such a reopening shall be completed not later than eighteen (18) months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended pursuant to 45CSR§§30-6.6.a.1.A. or B.
 - b. Additional requirements (including excess emissions requirements) become applicable to an affected source under Title IV of the Clean Air Act (Acid Deposition Control) or other legislative rules of the Secretary. Upon approval by U.S. EPA, excess emissions offset plans shall be incorporated into the permit.
 - c. The Secretary or U.S. EPA determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.

- d. The Secretary or U.S. EPA determines that the permit must be revised or revoked and reissued to assure compliance with the applicable requirements.

[45CSR§30-6.6.a.]

2.6. Administrative Permit Amendments

- 2.6.1. The permittee may request an administrative permit amendment as defined in and according to the procedures specified in 45CSR§30-6.4.

[45CSR§30-6.4.]

2.7. Minor Permit Modifications

- 2.7.1. The permittee may request a minor permit modification as defined in and according to the procedures specified in 45CSR§30-6.5.a.

[45CSR§30-6.5.a.]

2.8. Significant Permit Modification

- 2.8.1. The permittee may request a significant permit modification, in accordance with 45CSR§30-6.5.b., for permit modifications that do not qualify for minor permit modifications or as administrative amendments.

[45CSR§30-6.5.b.]

2.9. Emissions Trading

- 2.9.1. No permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading, and other similar programs or processes for changes that are provided for in the permit and that are in accordance with all applicable requirements.

[45CSR§30-5.1.h.]

2.10. Off-Permit Changes

- 2.10.1. Except as provided below, a facility may make any change in its operations or emissions that is not addressed nor prohibited in its permit and which is not considered to be construction nor modification under any rule promulgated by the Secretary without obtaining an amendment or modification of its permit. Such changes shall be subject to the following requirements and restrictions:

- a. The change must meet all applicable requirements and may not violate any existing permit term or condition.
- b. The permittee must provide a written notice of the change to the Secretary and to U.S. EPA within two (2) business days following the date of the change. Such written notice shall describe each such change, including the date, any change in emissions, pollutants emitted, and any applicable requirement that would apply as a result of the change.
- c. The change shall not qualify for the permit shield.

- d. The permittee shall keep records describing all changes made at the source that result in emissions of regulated air pollutants, but not otherwise regulated under the permit, and the emissions resulting from those changes.
- e. No permittee may make any change subject to any requirement under Title IV of the Clean Air Act (Acid Deposition Control) pursuant to the provisions of 45CSR§30-5.9.
- f. No permittee may make any changes which would require preconstruction review under any provision of Title I of the Clean Air Act (including 45CSR14 and 45CSR19) pursuant to the provisions of 45CSR§30-5.9.

[45CSR§30-5.9.]

2.11. Operational Flexibility

- 2.11.1. The permittee may make changes within the facility as provided by § 502(b)(10) of the Clean Air Act. Such operational flexibility shall be provided in the permit in conformance with the permit application and applicable requirements. No such changes shall be a modification under any rule or any provision of Title I of the Clean Air Act (including 45CSR14 and 45CSR19) promulgated by the Secretary in accordance with Title I of the Clean Air Act and the change shall not result in a level of emissions exceeding the emissions allowable under the permit.

[45CSR§30-5.8]

- 2.11.2. Before making a change under 45CSR§30-5.8., the permittee shall provide advance written notice to the Secretary and to U.S. EPA, describing the change to be made, the date on which the change will occur, any changes in emissions, and any permit terms and conditions that are affected. The permittee shall thereafter maintain a copy of the notice with the permit, and the Secretary shall place a copy with the permit in the public file. The written notice shall be provided to the Secretary and U.S. EPA at least seven (7) days prior to the date that the change is to be made, except that this period may be shortened or eliminated as necessary for a change that must be implemented more quickly to address unanticipated conditions posing a significant health, safety, or environmental hazard. If less than seven (7) days notice is provided because of a need to respond more quickly to such unanticipated conditions, the permittee shall provide notice to the Secretary and U.S. EPA as soon as possible after learning of the need to make the change.

[45CSR§30-5.8.a.]

- 2.11.3. The permit shield shall not apply to changes made under 45CSR§30-5.8., except those provided for in 45CSR§30-5.8.d. However, the protection of the permit shield will continue to apply to operations and emissions that are not affected by the change, provided that the permittee complies with the terms and conditions of the permit applicable to such operations and emissions. The permit shield may be reinstated for emissions and operations affected by the change:

- a. If subsequent changes cause the facility's operations and emissions to revert to those authorized in the permit and the permittee resumes compliance with the terms and conditions of the permit, or
- b. If the permittee obtains final approval of a significant modification to the permit to incorporate the change in the permit.

[45CSR§30-5.8.c.]

- 2.11.4. "Section 502(b)(10) changes" are changes that contravene an express permit term. Such changes do not include changes that would violate applicable requirements or contravene enforceable permit terms and conditions that are monitoring (including test methods), recordkeeping, reporting, or compliance certification requirements.

[45CSR§30-2.39]

2.12. Reasonably Anticipated Operating Scenarios

- 2.12.1. The following are terms and conditions for reasonably anticipated operating scenarios identified in this permit.
- a. Contemporaneously with making a change from one operating scenario to another, the permittee shall record in a log at the permitted facility a record of the scenario under which it is operating and to document the change in reports submitted pursuant to the terms of this permit and 45CSR30.
 - b. The permit shield shall extend to all terms and conditions under each such operating scenario; and
 - c. The terms and conditions of each such alternative scenario shall meet all applicable requirements and the requirements of 45CSR30.

[45CSR§30-5.1.i.]

2.13. Duty to Comply

- 2.13.1. The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the West Virginia Code and the Clean Air Act and is grounds for enforcement action by the Secretary or USEPA; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.

[45CSR§30-5.1.f.1.]

2.14. Inspection and Entry

- 2.14.1. The permittee shall allow any authorized representative of the Secretary, upon the presentation of credentials and other documents as may be required by law, to perform the following:
- a. At all reasonable times (including all times in which the facility is in operation) enter upon the permittee's premises where a source is located or emissions related activity is conducted, or where records must be kept under the conditions of this permit;
 - b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
 - c. Inspect at reasonable times (including all times in which the facility is in operation) any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit;

- d. Sample or monitor at reasonable times substances or parameters to determine compliance with the permit or applicable requirements or ascertain the amounts and types of air pollutants discharged.

[45CSR§30-5.3.b.]

2.15. Schedule of Compliance

- 2.15.1. For sources subject to a compliance schedule, certified progress reports shall be submitted consistent with the applicable schedule of compliance set forth in this permit and 45CSR§30-4.3.h., but at least every six (6) months, and no greater than once a month, and shall include the following:

- a. Dates for achieving the activities, milestones, or compliance required in the schedule of compliance, and dates when such activities, milestones or compliance were achieved; and
- b. An explanation of why any dates in the schedule of compliance were not or will not be met, and any preventative or corrective measure adopted.

[45CSR§30-5.3.d.]

2.16. Need to Halt or Reduce Activity not a Defense

- 2.16.1. 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. However, nothing in this paragraph shall be construed as precluding consideration of a need to halt or reduce activity as a mitigating factor in determining penalties for noncompliance if the health, safety, or environmental impacts of halting or reducing operations would be more serious than the impacts of continued operations.

[45CSR§30-5.1.f.2.]

2.17. Emergency

- 2.17.1. An "emergency" means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, including acts of God, which situation requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under the permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.

[45CSR§30-5.7.a.]

- 2.17.2. Effect of any emergency. An emergency constitutes an affirmative defense to an action brought for noncompliance with such technology-based emission limitations if the conditions of 45CSR§30-5.7.c. are met.

[45CSR§30-5.7.b.]

- 2.17.3. The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that:

- a. An emergency occurred and that the permittee can identify the cause(s) of the emergency;

- b. The permitted facility was at the time being properly operated;
- c. During the period of the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and
- d. Subject to the requirements of 45CSR§30-5.1.c.3.C.1, the permittee submitted notice of the emergency to the Secretary within one (1) working day of the time when emission limitations were exceeded due to the emergency and made a request for variance, and as applicable rules provide. This notice, report, and variance request fulfills the requirement of 45CSR§30-5.1.c.3.B. This notice must contain a detailed description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

[45CSR§30-5.7.c.]

- 2.17.4. In any enforcement proceeding, the permittee seeking to establish the occurrence of an emergency has the burden of proof.

[45CSR§30-5.7.d.]

- 2.17.5. This provision is in addition to any emergency or upset provision contained in any applicable requirement.

[45CSR§30-5.7.e.]

2.18. Federally-Enforceable Requirements

- 2.18.1. All terms and conditions in this permit, including any provisions designed to limit a source's potential to emit and excepting those provisions that are specifically designated in the permit as "State-enforceable only", are enforceable by the Secretary, USEPA, and citizens under the Clean Air Act.

[45CSR§30-5.2.a.]

- 2.18.2. Those provisions specifically designated in the permit as "State-enforceable only" shall become "Federally-enforceable" requirements upon SIP approval by the USEPA.

2.19. Duty to Provide Information

- 2.19.1. The permittee shall furnish to the Secretary within a reasonable time any information the Secretary 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. Upon request, the permittee shall also furnish to the Secretary copies of records required to be kept by the permittee. For information claimed to be confidential, the permittee shall furnish such records to the Secretary along with a claim of confidentiality in accordance with 45CSR31. If confidential information is to be sent to USEPA, the permittee shall directly provide such information to USEPA along with a claim of confidentiality in accordance with 40 C.F.R. Part 2.

[45CSR§30-5.1.f.5.]

2.20. Duty to Supplement and Correct Information

- 2.20.1. Upon becoming aware of a failure to submit any relevant facts or a submittal of incorrect information in any permit application, the permittee shall promptly submit to the Secretary such supplemental facts or corrected information.

[45CSR§30-4.2.]

2.21. Permit Shield

2.21.1. Compliance with the conditions of this permit shall be deemed compliance with any applicable requirements as of the date of permit issuance provided that such applicable requirements are included and are specifically identified in this permit or the Secretary has determined that other requirements specifically identified are not applicable to the source and this permit includes such a determination or a concise summary thereof.

[45CSR§30-5.6.a.]

2.21.2. Nothing in this permit shall alter or affect the following:

- a. The liability of an owner or operator of a source for any violation of applicable requirements prior to or at the time of permit issuance; or
- b. The applicable requirements of the Code of West Virginia and Title IV of the Clean Air Act (Acid Deposition Control), consistent with § 408 (a) of the Clean Air Act.
- c. The authority of the Administrator of U.S. EPA to require information under § 114 of the Clean Air Act or to issue emergency orders under § 303 of the Clean Air Act.

[45CSR§30-5.6.c.]

2.22. Credible Evidence

2.22.1. Nothing in this permit shall alter or affect the ability of any person to establish compliance with, or a violation of, any applicable requirement through the use of credible evidence to the extent authorized by law. Nothing in this permit shall be construed to waive any defenses otherwise available to the permittee including but not limited to any challenge to the credible evidence rule in the context of any future proceeding.

[45CSR§30-5.3.e.3.B. and 45CSR38]

2.23. Severability

2.23.1. The provisions of this permit are severable. If any provision of this permit, or the application of any provision of this permit to any circumstance is held invalid by a court of competent jurisdiction, the remaining permit terms and conditions or their application to other circumstances shall remain in full force and effect.

[45CSR§30-5.1.e.]

2.24. Property Rights

2.24.1. This permit does not convey any property rights of any sort or any exclusive privilege.

[45CSR§30-5.1.f.4]

2.25. Acid Deposition Control

2.25.1. Emissions shall not exceed any allowances that the source lawfully holds under Title IV of the Clean Air Act (Acid Deposition Control) or rules of the Secretary promulgated thereunder.

- a. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid deposition control program, provided that such increases do not require a permit revision under any other applicable requirement.
- b. No limit shall be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement.
- c. Any such allowance shall be accounted for according to the procedures established in rules promulgated under Title IV of the Clean Air Act.

[45CSR§30-5.1.d.]

- 2.25.2. Where applicable requirements of the Clean Air Act are more stringent than any applicable requirement of regulations promulgated under Title IV of the Clean Air Act (Acid Deposition Control), both provisions shall be incorporated into the permit and shall be enforceable by the Secretary and U. S. EPA.

[45CSR§30-5.1.a.2.]

3.0 Facility-Wide Requirements

3.1 Limitations and Standards

- 3.1.1. **Open burning.** The open burning of refuse by any person is prohibited except as noted in 45CSR§6-3.1. [45CSR§6-3.1.]
- 3.1.2. **Open burning exemptions.** The exemptions listed in 45CSR§6-3.1 are subject to the following stipulation: Upon notification by the Secretary, no person shall cause or allow any form of open burning during existing or predicted periods of atmospheric stagnation. Notification shall be made by such means as the Secretary may deem necessary and feasible. [45CSR§6-3.2.]
- 3.1.3. **Asbestos.** The permittee is responsible for thoroughly inspecting the facility, or part of the facility, prior to commencement of demolition or renovation for the presence of asbestos and complying with 40 C.F.R. § 61.145, 40 C.F.R. § 61.148, and 40 C.F.R. § 61.150. The permittee, owner, or operator must notify the Secretary at least ten (10) working days prior to the commencement of any asbestos removal on the forms prescribed by the Secretary if the permittee is subject to the notification requirements of 40 C.F.R. § 61.145(b)(3)(i). The USEPA, the Division of Waste Management and the Bureau for Public Health - Environmental Health require a copy of this notice to be sent to them. [40 C.F.R. §61.145(b) and 45CSR34]
- 3.1.4. **Odor.** No person shall cause, suffer, allow or permit the discharge of air pollutants which cause or contribute to an objectionable odor at any location occupied by the public. [45CSR§4-3.1 State-Enforceable only.]
- 3.1.5. **Standby plan for reducing emissions.** When requested by the Secretary, the permittee shall prepare standby plans for reducing the emissions of air pollutants in accordance with the objectives set forth in Tables I, II, and III of 45CSR11. [45CSR§11-5.2]
- 3.1.6. **Emission inventory.** The permittee is responsible for submitting, on an annual basis, an emission inventory in accordance with the submittal requirements of the Division of Air Quality. [W.Va. Code § 22-5-4(a)(14)]
- 3.1.7. **Ozone-depleting substances.** For those facilities performing maintenance, service, repair or disposal of appliances, the permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 C.F.R. Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
- a. Persons opening appliances for maintenance, service, repair, or disposal must comply with the prohibitions and required practices pursuant to 40 C.F.R. §§ 82.154 and 82.156.
 - b. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 C.F.R. § 82.158.

- c. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 C.F.R. § 82.161.

[40 C.F.R. 82, Subpart F]

- 3.1.8. **Risk Management Plan.** Should this stationary source, as defined in 40 C.F.R. § 68.3, become subject to Part 68, then the owner or operator shall submit a risk management plan (RMP) by the date specified in 40 C.F.R. § 68.10 and shall certify compliance with the requirements of Part 68 as part of the annual compliance certification as required by 40 C.F.R. Part 70 or 71.

[40 C.F.R. 68]

- 3.1.9. Maximum amount of wood dust transferred to Silo #1 [S1] shall not exceed 18,860 tons per year.

[45CSR13, R13-2571, 4.1.14.]

- 3.1.10. The owner or operator of a plant shall maintain particulate matter control of the plant premises, and plant owned, leased or controlled access roads, by paving, application of asphalt, chemical dust suppressants or other suitable dust control measures. Good operating practices shall be implemented and when necessary particulate matter suppressants shall be applied in relation to stockpiling and general material handling to minimize particulate matter generation and atmospheric entrainment.

[45CSR§7-5.2., and 45CSR13, R13-2571, 4.1.38.]

- 3.1.11. Due to unavoidable malfunction of equipment, emissions exceeding those set forth in 45CSR7 may be permitted by the Director for periods not to exceed ten (10) days upon specific application to the Director. Such application shall be made within twenty-four (24) hours of the malfunction. In cases of major equipment failure, additional time periods may be granted by the Director provided a corrective program has been submitted by the owner or operator and approved by the Director.

[45CSR§7-9.1., and 45CSR13, R13-2571, 4.1.41.]

- 3.1.12. The aggregate facility emission rate to the atmosphere of Volatile Organic Compounds (VOC) from all sources identified in Permit Application R13-2571, ~~and any subsequent revision thereto,~~ [through R13-2571L](#) shall not exceed ~~249~~ [249.4](#) tons per year. Compliance with the annual emission limits shall be determined using rolling yearly totals. A rolling yearly total shall mean the sum of the emissions at any given time for the previous twelve (12) consecutive months.

[45CSR13, R13-2571, 4.1.26.]

- 3.1.13. **Operation and Maintenance of Air Pollution Control Equipment.** The permittee shall, to the extent practicable, install, maintain, and operate all pollution control equipment listed in Section 1.0 and associated monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions, or comply with any more stringent limits set forth in this permit or as set forth by any State rule, Federal regulation, or alternative control plan approved by the Secretary.

[45CSR13, R13-2571, ~~4.1.60.~~ 4.1.61.]

- 3.1.14. **Emissions from Finishing Operations.** The permittee shall limit VHAP emissions from finishing operations by meeting the emission limitations for new sources presented in Table 3 of 40 C.F.R. 63 Subpart JJ using any of the compliance methods in §63.804(d). To determine VHAP emissions from a finishing material containing formaldehyde or styrene, the permittee shall use the methods presented in §63.803(l)(2) for determining styrene and formaldehyde usage.

[40 C.F.R. § 63.802(b)(1), and 45CSR34]

- 3.1.15. **Emissions from Contact Adhesives.** The permittee shall limit VHAP emissions from contact adhesives by achieving a VHAP limit for contact adhesives, excluding aerosol adhesives and excluding contact adhesives applied to nonporous substrates, of no greater than 0.2 kg VHAP/kg solids (0.2 lb VHAP/lb solids), as applied, using either of the compliance methods in §63.804(e).
[40 C.F.R. § 63.802(b)(2), and 45CSR34]
- 3.1.16. **Emissions from Strippable Spray Booth Coatings.** The permittee shall limit HAP emissions from strippable spray booth coatings by using coatings that contain no more than 0.8 kg VOC/kg solids (0.8 lb VOC/lb solids), as applied.
[40 C.F.R. § 63.802(b)(3), and 45CSR34]
- 3.1.17. **Work Practice Implementation Plan.** The permittee shall prepare and maintain a written work practice implementation plan that defines environmentally desirable work practices for each wood furniture manufacturing operation and addresses each of the work practice standards presented in paragraphs (b) through (l) of §63.803. The written work practice implementation plan shall be available for inspection by the Administrator upon request. If the Administrator determines that the work practice implementation plan does not adequately address each of the topics specified in paragraphs (b) through (l) of §63.803 or that the plan does not include sufficient mechanisms for ensuring that the work practice standards are being implemented, the Administrator may require the affected source to modify the plan. Revisions or modifications to the plan do not require a revision of the permittee's Title V permit.
[40 C.F.R. § 63.803(a), and 45CSR34]
- 3.1.18. **Operator Training Course.** The permittee shall train all new and existing personnel, including contract personnel, who are involved in finishing, gluing, cleaning, and washoff operations, use of manufacturing equipment, or implementation of the requirements of 40 C.F.R. 63 Subpart JJ. All new personnel, those hired after the compliance date of the standard, shall be trained upon hiring. All existing personnel, those hired before the compliance date of the standard, shall be trained within six months of the compliance date of the standard. All personnel shall be given refresher training annually. The affected source shall maintain a copy of the training program with the work practice implementation plan. The training program shall include, at a minimum, the following:
- (1) A list of all current personnel by name and job description that are required to be trained;
 - (2) An outline of the subjects to be covered in the initial and refresher training for each position or group of personnel;
 - (3) Lesson plans for courses to be given at the initial and the annual refresher training that include, at a minimum, appropriate application techniques, appropriate cleaning and washoff procedures, appropriate equipment setup and adjustment to minimize finishing material usage and overspray, and appropriate management of cleanup wastes; and
 - (4) A description of the methods to be used at the completion of initial or refresher training to demonstrate and document successful completion.

[40 C.F.R. § 63.803(b), and 45CSR34]

3.1.19. **Inspection and Maintenance Plan.** The permittee shall prepare and maintain with the work practice implementation plan a written leak inspection and maintenance plan that specifies:

- (1) A minimum visual inspection frequency of once per month for all equipment used to transfer or apply coatings, adhesives, or organic solvents;
- (2) An inspection schedule;
- (3) Methods for documenting the date and results of each inspection and any repairs that were made;
- (4) The timeframe between identifying the leak and making the repair, which adheres, at a minimum, to the following schedule:
 - (i) A first attempt at repair (e.g., tightening of packing glands) shall be made no later than five calendar days after the leak is detected; and
 - (ii) Final repairs shall be made within 15 calendar days after the leak is detected, unless the leaking equipment is to be replaced by a new purchase, in which case repairs shall be completed within three months.

[40 C.F.R. § 63.803(c), and 45CSR34]

3.1.20. **Chemical Composition of Cleaning and Washoff Solvents.** The permittee shall not use cleaning or washoff solvents that contain any of the pollutants listed in Table 4 to 40 C.F.R. 63 Subpart JJ, in concentrations subject to MSDS reporting as required by OSHA.

[40 C.F.R. § 63.803(e), and 45CSR34]

3.1.21. **Storage Requirements.** The permittee shall use normally closed containers for storing finishing, gluing, cleaning, and washoff materials.

[40 C.F.R. § 63.803(g), and 45CSR34]

3.1.22. **Application Equipment Requirements.** The permittee shall use conventional air spray guns to apply finishing materials only under any of the circumstances listed under 40 C.F.R. §§ 63.803(h)(1), (2), (3), (4), (5) or (6).

[40 C.F.R. § 63.803(h), and 45CSR34]

3.1.23. **Line Cleaning, Gun Cleaning and Washoff Operations.** The permittee shall pump or drain all organic solvent used for line cleaning into a normally closed container. The permittee shall collect all organic solvent used to clean spray guns into a normally closed container. The permittee shall control emissions from washoff operations by,

- (1) Using normally closed tanks for washoff; and
- (2) Minimizing dripping by tilting or rotating the part to drain as much solvent as possible.

[40 C.F.R. §§ 63.803(i), (j), and (k), and 45CSR34]

- 3.1.24. **Formulation Assessment Plan.** The permittee shall prepare and maintain with the work practice implementation plan a formulation assessment plan in accordance with §63.803(l).
[40 C.F.R. § 63.803(l), and 45CSR34]

3.2. Monitoring Requirements

- 3.2.1. The permittee shall monitor and maintain records of monthly wood dust transferred to Silo #1 [S1] for demonstrating compliance with 3.1.9. of this permit.
[45CSR13, R13-2571, 4.2.1.a.]
- 3.2.2. The facility will use a combination of compliance methods as defined in 40 C.F.R. § 63.804(d)(4) by utilizing a combination of a VHAP averaging, compliant materials, and the use of a control system. The unit will maintain compliance with the provisions of 40 C.F.R. 63 Subpart JJ for training, recordkeeping, monitoring and reporting.
[40 C.F.R. § 63.804(d)(4), 45CSR34, and 45CSR13, R13-2571, 4.1.57.]
- 3.2.3. **Cleaning and Washoff Solvent Accounting System.** Each owner or operator of an affected source shall develop an organic solvent accounting form to record:
- (1) The quantity and type of organic solvent used each month for washoff and cleaning, as defined in §63.801;
 - (2) The number of pieces washed off, and the reason for the washoff; and
 - (3) The quantity of spent solvent generated from each washoff and cleaning operation each month, and whether it is recycled onsite or disposed offsite.

[40 C.F.R. § 63.803(d), and 45CSR34]

- 3.2.4. The permittee shall perform weekly visual inspection of dry filters (for robotic spray machines applying stains) and wet filtration systems (for robotic spray machines applying sealers and topcoats) to assure proper operation of filtration systems.
[45CSR13, R13-2571, 4.2.2.f.]

3.3. Testing Requirements

- 3.3.1. **Stack testing.** As per provisions set forth in this permit or as otherwise required by the Secretary, in accordance with the West Virginia Code, underlying regulations, permits and orders, the permittee shall conduct test(s) to determine compliance with the emission limitations set forth in this permit and/or established or set forth in underlying documents. The Secretary, or his duly authorized representative, may at his option witness or conduct such test(s). Should the Secretary exercise his option to conduct such test(s), the operator shall provide all necessary sampling connections and sampling ports to be located in such manner as the Secretary may require, power for test equipment and the required safety equipment, such as scaffolding, railings and ladders, to comply with generally accepted good safety practices. Such tests shall be conducted in accordance with the methods and procedures set forth in this permit or as otherwise approved or specified by the Secretary in accordance with the following:

- a. The Secretary may on a source-specific basis approve or specify additional testing or alternative testing to the test methods specified in the permit for demonstrating compliance with 40 C.F.R. Parts 60, 61,

and 63, if applicable, in accordance with the Secretary's delegated authority and any established equivalency determination methods which are applicable.

- b. The Secretary may on a source-specific basis approve or specify additional testing or alternative testing to the test methods specified in the permit for demonstrating compliance with applicable requirements which do not involve federal delegation. In specifying or approving such alternative testing to the test methods, the Secretary, to the extent possible, shall utilize the same equivalency criteria as would be used in approving such changes under Section 3.3.1.a. of this permit.
- c. All periodic tests to determine mass emission limits from or air pollutant concentrations in discharge stacks and such other tests as specified in this permit shall be conducted in accordance with an approved test protocol. Unless previously approved, such protocols shall be submitted to the Secretary in writing at least thirty (30) days prior to any testing and shall contain the information set forth by the Secretary. In addition, the permittee shall notify the Secretary at least fifteen (15) days prior to any testing so the Secretary may have the opportunity to observe such tests. This notification shall include the actual date and time during which the test will be conducted and, if appropriate, verification that the tests will fully conform to a referenced protocol previously approved by the Secretary.
- d. The permittee shall submit a report of the results of the stack test within 60 days of completion of the test. The test report shall provide the information necessary to document the objectives of the test and to determine whether proper procedures were used to accomplish these objectives. The report shall include the following: the certification described in paragraph 3.5.1; a statement of compliance status, also signed by a responsible official; and, a summary of conditions which form the basis for the compliance status evaluation. The summary of conditions shall include the following:
 1. The permit or rule evaluated, with the citation number and language.
 2. The result of the test for each permit or rule condition.
 3. A statement of compliance or non-compliance with each permit or rule condition.

[WV Code §§ 22-5-4(a)(14-15); 45CSR§§7-8.1 and 8.2; and 45CSR13, R13-2571, 4.1.39., and 4.1.40.]

- 3.3.2. The permitted facility shall comply with 40 C.F.R. § 63.805, Performance Test Methods of 40 C.F.R. 63 Subpart JJ, "*National Emission Standards for Wood Furniture Manufacturing Operations*", provided that the permittee shall comply with any more stringent requirements as may be set forth under this permit.

[45CSR13, R13-2571, 4.3.1., and 45CSR34]

3.4. Recordkeeping Requirements

- 3.4.1. **Monitoring information.** The permittee shall keep records of monitoring information that include the following:
 - a. The date, place as defined in this permit and time of sampling or measurements;
 - b. The date(s) analyses were performed;
 - c. The company or entity that performed the analyses;

- d. The analytical techniques or methods used;
- e. The results of the analyses; and
- f. The operating conditions existing at the time of sampling or measurement.

[45CSR§30-5.1.c.2.A.; 45CSR13, R13-2571, 4.4.1]

- 3.4.2. **Retention of records.** The permittee shall retain records of all required monitoring data and support information for a period of at least five (5) years from the date of monitoring sample, measurement, report, application, or record creation date. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit. Where appropriate, records may be maintained in computerized form in lieu of the above records.

[45CSR§30-5.1.c.2.B.]

- 3.4.3. **Odors.** For the purposes of 45CSR4, the permittee shall maintain a record of all odor complaints received, any investigation performed in response to such a complaint, and any responsive action(s) taken.

[45CSR§30-5.1.c. State-Enforceable only.]

- 3.4.4. **Record of Maintenance of Air Pollution Control Equipment.** For all pollution control equipment listed in Section 1.0, the permittee shall maintain accurate records of all required pollution control equipment inspection and/or preventative maintenance procedures.

[45CSR13, R13-2571, 4.4.2.]

- 3.4.5. **Record of Malfunctions of Air Pollution Control Equipment.** For all air pollution control equipment listed in Section 1.0, the permittee shall maintain records of the occurrence and duration of any malfunction or operational shutdown of the air pollution control equipment during which excess emissions occur. For each such case, the following information shall be recorded:

- a. The equipment involved.
- b. Steps taken to minimize emissions during the event.
- c. The duration of the event.
- d. The estimated increase in emissions during the event.

For each such case associated with an equipment malfunction, the additional information shall also be recorded:

- e. The cause of the malfunction.
- f. Steps taken to correct the malfunction.
- g. Any changes or modifications to equipment or procedures that would help prevent future recurrences of the malfunction.

[45CSR13, R13-2571, 4.4.3.]

- 3.4.6. To determine compliance with 4.1.2., 4.1.3., 5.1.7., 5.1.12., 6.1.3., 6.1.4., 10.1.1., and 10.1.5. of this permit, any and all malfunctions of the control devices shall be documented in writing, and maintained on-site. The following information must be documented for each malfunction:

- a. The equipment involved in the malfunction and the associated cause.
- b. Steps taken to correct the malfunction.

- c. The steps taken to minimize the emissions during the malfunction.
- d. The duration of the malfunction.
- e. The increase in emissions during the malfunction.
- f. Steps taken to prevent a similar malfunction in the future.

These records shall be maintained in accordance with permit condition 3.4.2. and certified records shall be made available to the Director of the Division of Air Quality or his/her duly authorized representative upon request.

[45CSR13, R13-2571D, 4.4.4.]

- 3.4.7. The permittee shall fulfill all recordkeeping requirements of 40 C.F.R. § 63.10 of subpart A, according to the applicability criteria in §63.800(d).

[40 C.F.R. § 63.806(a), and 45CSR34]

- 3.4.8. The permittee shall maintain records of,

- (1) certified product data sheet for each finishing material, thinner, contact adhesive, and strippable spray booth coating subject to the emission limits in §63.802; and
- (2) the VHAP content, in kg VHAP/kg solids (lb VHAP/lb solids), as applied, of each finishing material and contact adhesive subject to the emission limits in §63.802; and
- (3) the VOC content, in kg VOC/kg solids (lb VOC/lb solids), as applied of each strippable booth coating subject to the emission limits in §63.802 (b)(3).

[40 C.F.R. § 63.806(b), and 45CSR34]

- 3.4.9. The permittee shall maintain copies of the averaging calculation for each month following the compliance date, as well as the data on the quantity of coatings and thinners used that is necessary to support the calculation of E in Equation 1, which is given in 40 C.F.R. § 63.804(a)(1).

[40 C.F.R. § 63.806(c), and 45CSR34]

- 3.4.10. The permittee shall maintain onsite the work practice implementation plan and all records associated with fulfilling the requirements of that plan, including, but not limited to:

- (1) Records demonstrating that the operator training program required by §63.803(b) is in place;
- (2) Records collected in accordance with the inspection and maintenance plan required by §63.803(c);
- (3) Records associated with the cleaning solvent accounting system required by §63.803(d);
- (4) Records associated with the limitation on the use of conventional air spray guns showing total finishing material usage and the percentage of finishing materials applied with conventional air spray guns for each semiannual period as required by §63.803(h)(5);
- (5) Records associated with the formulation assessment plan required by §63.803(l); and
- (6) Copies of documentation such as logs developed to demonstrate that the other provisions of the work practice implementation plan are followed.

[40 C.F.R. § 63.806(e), and 45CSR34]

- 3.4.11. To determine compliance with 3.1.12., 6.1.1., 8.1.1., ~~and 9.1.1.~~, and 12.1.1. of this permit, the permittee shall monitor and maintain calendar monthly records of the following:
- a. The monthly hours of operation of the finishing process and the waste-solvent recovery still.
 - b. The name and identification number of each surface coating, as applied each month and each solvent sent to the waste-solvent recovery still.
 - c. The monthly quantity applied of each coating or solvent material (including solvent sent to the waste-solvent recovery still), as documented in the permittee's coating and solvent usage emission quantification database program.
 - d. The mass of VOC, individual and aggregate HAPs, and solids per volume of each surface coating and solvent material (including solvent sent to the waste-solvent recovery still), as applied each month.
 - e. The actual pounds per month of VOC, individual and aggregate HAPs, and PM emitted from the subject emission points. Pollutant capture and control efficiencies used in the compliance calculations (for this permit only) shall be those minimum values as specified under sections 6.1.3., ~~and 6.1.6.~~, and 12.1.1.
 - f. The VOC, individual and aggregate HAPs, and PM emitted for the month shall be divided by the total number of hours the subject emission sources were operated for the given month. The resulting monthly average shall be tabulated as pounds per hour in order to demonstrate compliance with the hourly limits established for the subject emission points.
 - g. The permittee shall monitor and record the monthly quantity of natural gas fuel consumed by the Regenerative Thermal Oxidizers RTO1 and RTO2.

These records shall be maintained in accordance with permit condition 3.4.2. and certified records shall be made available to the Director of the Division of Air Quality or his/her duly authorized representative upon request.

[45CSR13, R13-2571, 4.2.3.]

3.5. Reporting Requirements

- 3.5.1. **Responsible official.** Any application form, report, or compliance certification required by this permit to be submitted to the DAQ and/or USEPA shall contain a certification by the responsible official that states that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.
[45CSR§§30-4.4. and 5.1.c.3.D.]
- 3.5.2. A permittee may request confidential treatment for the submission of reporting required under 45CSR§30-5.1.c.3. pursuant to the limitations and procedures of W.Va. Code § 22-5-10 and 45CSR31.
[45CSR§30-5.1.c.3.E.]
- 3.5.3. Except for the electronic submittal of the annual certification to the USEPA as required in 3.5.5 below, all notices, requests, demands, submissions and other communications required or permitted to be made to the Secretary of DEP and/or USEPA shall be made in writing and shall be deemed to have been duly given when delivered by hand, mailed first class or by private carrier with postage prepaid to the address(es) set forth below or to such other person or address as the Secretary of the Department of Environmental Protection may designate:

If to the DAQ:

Director
WVDEP
Division of Air Quality
601 57th Street SE
Charleston, WV 25304

Phone: 304/926-0475
FAX: 304/926-0478

If to the US EPA:

Associate Director
Office of Enforcement and Permits Review
(3AP12)
U. S. Environmental Protection Agency
Region III
1650 Arch Street
Philadelphia, PA 19103-2029

- 3.5.4. **Certified emissions statement.** The permittee shall submit a certified emissions statement and pay fees on an annual basis in accordance with the submittal requirements of the Division of Air Quality.
[45CSR§30-8.]
- 3.5.5. **Compliance certification.** The permittee shall certify compliance with the conditions of this permit on the forms provided by the DAQ. In addition to the annual compliance certification, the permittee may be required to submit certifications more frequently under an applicable requirement of this permit. The annual certification shall be submitted to the DAQ and USEPA on or before March 15 of each year, and shall certify compliance for the period ending December 31. The annual certification to the USEPA shall be submitted in electronic format only. It shall be submitted by e-mail to the following address: R3_APD_Permits@epa.gov. The permittee shall maintain a copy of the certification on site for five (5) years from submittal of the certification.
[45CSR§30-5.3.e.]
- 3.5.6. **Semi-annual monitoring reports.** The permittee shall submit reports of any required monitoring on or before September 15 for the reporting period January 1 to June 30 and on or before March 15 for the reporting period July 1 to December 31. All instances of deviation from permit requirements must be clearly identified in such reports. All required reports must be certified by a responsible official consistent with 45CSR§30-4.4.
[45CSR§30-5.1.c.3.A.]
- 3.5.7. **Emergencies.** For reporting emergency situations, refer to Section 2.17 of this permit.
- 3.5.8. **Deviations.**
- a. In addition to monitoring reports required by this permit, the permittee shall promptly submit supplemental reports and notices in accordance with the following:
 1. Any deviation resulting from an emergency or upset condition, as defined in 45CSR§30-5.7., shall be reported by telephone or telefax within one (1) working day of the date on which the permittee becomes aware of the deviation, if the permittee desires to assert the affirmative defense in accordance with 45CSR§30-5.7. A written report of such deviation, which shall include the probable cause of such deviations, and any corrective actions or preventative measures taken, shall be submitted and certified by a responsible official within ten (10) days of the deviation.

2. Any deviation that poses an imminent and substantial danger to public health, safety, or the environment shall be reported to the Secretary immediately by telephone or telefax. A written report of such deviation, which shall include the probable cause of such deviation, and any corrective actions or preventative measures taken, shall be submitted by the responsible official within ten (10) days of the deviation.
3. Deviations for which more frequent reporting is required under this permit shall be reported on the more frequent basis.
4. All reports of deviations shall identify the probable cause of the deviation and any corrective actions or preventative measures taken.

[45CSR§30-5.1.c.3.C.]

- b. The permittee shall, in the reporting of deviations from permit requirements, including those attributable to upset conditions as defined in this permit, report the probable cause of such deviations and any corrective actions or preventive measures taken in accordance with any rules of the Secretary.

[45CSR§30-5.1.c.3.B.]

- 3.5.9. **New applicable requirements.** If any applicable requirement is promulgated during the term of this permit, the permittee will meet such requirements on a timely basis, or in accordance with a more detailed schedule if required by the applicable requirement.

[45CSR§30-4.3.h.1.B.]

- 3.5.10. Any violation(s) of the allowable visible emission requirement for any emission source discovered during observation using 40CFR60, Appendix A, Method 9 must be reported in writing to the Director of the Division of Air Quality as soon as practicable, but within ten (10) calendar days, of the occurrence and shall include, at a minimum, the following information: the results of the visible determination of opacity of emissions, the cause or suspected cause of the violation(s), and any corrective measures taken or planned.

[45CSR13, R13-2571, 4.5.2.]

- 3.5.11. **Continuous Compliance Demonstrations.** The permittee shall demonstrate continuous compliance by submitting results of the averaging calculation (Equation 1, set forth in 40 C.F.R. § 63.804(a)(1)) for each month within that semiannual period. The permittee shall demonstrate compliance by using compliant coatings and thinners, maintaining records and demonstrate that the coatings and thinners are compliant. The permittee shall demonstrate compliance for coatings used on continuous coaters by following the procedures in paragraph §63.804(g)(3)(i) or (ii). For the control devices, the permittee shall demonstrate continuous compliance by installing, calibrating, maintaining, and operating the appropriate monitoring equipment according to the manufacturer's specifications. All results, records, and supporting documentation shall be submitted as part of the compliance certification with the semiannual report required by §63.807(c).

[40 C.F.R. §§ 63.804(g)(1), (2), (3), (4), and 45CSR34]

3.6. Compliance Plan

- 3.6.1. There is no compliance plan since a responsible official certified compliance with all applicable requirements in the renewal application.

3.7. Permit Shield

- 3.7.1. The permittee is hereby granted a permit shield in accordance with 45CSR§30-5.6. The permit shield applies provided the permittee operates in accordance with the information contained within this permit.
- 3.7.2. The following requirements specifically identified are not applicable to the source based on the determinations set forth below. The permit shield shall apply to the following requirements provided the conditions of the determinations are met.
- a. **40 C.F.R. 60 Subparts K, Ka, Kb - Standards of Performance for Storage Vessels for Petroleum Liquids for which Construction, Reconstruction, or Modification Commenced after June 11, 1973 and prior to May 19, 1978; after May 18, 1978, and prior to July 23, 1984; after July 23, 1984, respectively.** The permittee utilizes thirty-five (35) tanks at the facility. Regardless of the construction date, these New Source Performance Standards (NSPS) are applicable to tanks with capacities of at least 20,000 US gallon or 40,000 US gallon. The permittee's tanks T1 through T35 do not satisfy this requirement since the largest capacity tanks at the facility are 5,500 US gallon each. Therefore the tanks T1 through T35 are not subject to 40CFR60 Subparts K, Ka, Kb.
 - b. **40 C.F.R. 60 Subpart Db - Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units.** The permittee currently operates three (3) boilers at the facility. The wood-fired Boiler B1 has a design capacity of 28.8 MMBtu/hr. The natural gas-fired boiler B2 has a design capacity of 20.9 MMBtu/hr. The natural gas-fired auxiliary boiler B4 has a design capacity of 1.22 MMBtu/hr. The boilers listed above were constructed after June 19, 1984, which satisfies part of the applicability criteria. However, the boilers listed above have design heat input capacity less than 100 MMBtu/hr. The rule requires that both the construction date and the design heat input capacity criteria be met in order to be applicable to a source. Therefore the boilers listed are not subject to 40 C.F.R. 60 Subpart Db.
 - c. **45CSR21 - Regulation to Prevent and Control Air Pollution from the Emission of Volatile Organic Compounds.** 45CSR21 applies to sources located in Putnam, Kanawha, Cabell, Wayne, and Wood Counties. American Woodmark's South Branch facility is located in Hardy County; therefore, it is not subject to 45CSR21.
 - d. **45CSR27 - To Prevent and Control the Emissions of Toxic Air Pollutants.** Potential formaldehyde emissions (0.20 tpy or 400 lbs/yr) from this facility are below the applicability threshold of 1,000 pounds per year and are, therefore, exempt from 45CSR27.
 - e. **45CSR29 - Rule Requiring the Submission of Emission Statements for Volatile Organic Compound Emissions and Oxides of Nitrogen Emissions.** 45CSR29 applies to stationary sources in Putnam, Kanawha, Cabell, Wayne, Wood, and Greenbrier Counties. American Woodmark's South Branch facility is located in Hardy County; therefore, it is not subject to 45CSR29.
 - f. **45CSR13, ~~R13-2571K~~, 4.1.43.** This construction permit condition is only applicable when the emissions from at least two emission units vent through the same stack (i.e., emission point). None of the boilers, or recuperative thermal oxidizers are installed and operated in this fashion. Therefore, this particular construction permit condition will not be included in the Title V permit.

- g. **45CSR13, R13-2571K, 4.1.45.** The construction permit condition 45CSR13, R13-2571D, 4.1.45. is based upon 45CSR§10-8.2.a. In the Exemptions and Recommendations set forth in 45CSR§10-10.3., all fuel burning units which combusts natural gas, wood or distillate oil, alone or in combination, shall be exempt from the testing, monitoring, recordkeeping, and reporting requirements set forth in 45CSR§10-8. Since boiler B1 combusts wood and B2 combusts natural gas, they are exempt from 45CSR§10-8 and the construction permit condition 45CSR13, R13-2571D, 4.1.45., is not applicable and will not be included in the Title V permit. The boiler B4 has a design heat input less than 10 MMBtu/hr, and in accordance with 45CSR§10-10.1., is exempt from sections 3, and sections 6 through 8 of 45CSR10.
- h. **45CSR13, R13-2571K, 4.1.46.** This construction permit condition states, "At the time a stationary source is alleged to be in compliance with an applicable emission standard and at reasonable times to be determined by the Secretary thereafter, appropriate tests consisting of visual determinations or conventional in-stack measurements or such other tests the Secretary may specify shall be conducted to determine compliance." This construction permit condition is not an applicable requirement for Title V permitting. Therefore, this condition will not be included in the permittee's Title V permit. Any testing required will be permitted in accordance with 3.3. of the permit, and other specific test requirements that may be set forth in each section of the permit.
- i. **45CSR13, R13-2571K, 4.1.49. through 4.1.56., 4.3.2., 4.4.5., 4.5.3., and 4.5.4.** These conditions are based upon a vacated MACT Subpart DDDDD; therefore, the conditions are not applicable and are not included in the renewal permit.
- j. **Prevention of Significant Deterioration and Title V Greenhouse Gas Tailoring Rule.** The facility has not made any changes that trigger a PSD modification; therefore, the requirements of the GHG tailoring rule are non-applicable.
- k. **40 C.F.R. 60 Subpart III – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines.** This subpart applies to manufacturers, owners, and operators of stationary compression ignition internal combustion engines that have been constructed, reconstructed, or modified after various dates, the earliest of which is July 11, 2005. The fire water pump engine (FP1) is a compression ignition engine; however, it was constructed in 2004. Since FP1 does not meet the applicability criteria, the requirements of this subpart do not apply.
- l. **40 C.F.R. 60 Subpart JJJJ – Standards of Performance for Stationary Spark Ignition Internal Combustion Engines.** This subpart applies to manufacturers, owners, and operators of stationary spark ignition internal combustion engines that have been constructed, reconstructed, or modified after various dates, the earliest of which is June 12, 2006. The fire water pump engine (FP1) is a compression ignition engine; therefore, FP1 does not meet the applicability criteria and the requirements of this subpart do not apply.

4.0 Rotary Sanding Machines, Panel Cleaning Machines, Manual Sanding Conveyors, Wide Belt Sanding Machines, Denibbing Machines and Mill Area Equipment [emission point ID(s): E1, E2, E3, E6, E7, E8, [E17](#), [E18](#)]

4.1. Limitations and Standards

4.1.1. Maximum particulate matter emissions to the atmosphere from Emission Point ID# E1, E2, E3, E6, E7, and E8, [E17](#), and [E18](#) shall not exceed the following limits:

Emission Point ID#	Source	Maximum Hourly Emissions (lb/hr)	Maximum Annual Emissions (ton/year)
E1	Baghouse 1 (BH1)	0.59	2.60
E2	Baghouse 2 (BH2)	0.59	2.60
E3	Baghouse 3 (BH3)	1.19	5.21
E6	Baghouse 4 (BH4)	1.19	5.21
E7	Baghouse 5 (BH5)	0.37	1.62
E8	Baghouse 6 (BH6)	0.37	1.62
E17	Baghouse 7 (BH7)	4.29	18.77
E18	Baghouse 8 (BH8)	4.29	18.77

Compliance with the maximum hourly emission rates set forth in the table above ensures compliance with the less stringent limitation set forth by R13-2571, condition 4.1.36., and 45CSR§7-4.1.

[45CSR13, R13-2571, 4.1.11. and 4.1.36; 45CSR§7-4.1.]

4.1.2. Emissions from E1, E2, E3, E6, E7, and E8, [E17](#), and [E18](#) shall be vented to and controlled by baghouses BH1, BH2, BH3, BH4, BH5, and BH6, [BH7](#), and [BH8](#), prior to release to the atmosphere. These control devices shall be designed to achieve a minimum guaranteed control efficiency of 99.9% for particulate matter emissions.

[45CSR13, R13-2571, 4.1.12.]

4.1.3. The stabilized static pressure loss across baghouses BH1, BH2, BH3, BH4, BH5, and BH6, [BH7](#), and [BH8](#) shall remain between 0.5 to 4.0 inches of water.

[45CSR13, R13-2571, 4.1.13.]

4.1.4. No person shall cause, suffer, allow or permit emission of smoke and/or particulate matter into the open air from any process source operation which is greater than twenty (20) percent opacity, except as noted in 45CSR§§7- 3.2, 3.3, 3.4, 3.5, 3.6, and 3.7.

[45CSR13, R13-2571, 4.1.34., and 45CSR§7-3.1.]

4.1.5. Any stack serving any process source operation or air pollution control equipment on any process source operation shall contain flow straightening devices or a vertical run of sufficient length to establish flow patterns consistent with acceptable stack sampling procedures.

[45CSR§7-4.12.]

4.2. Monitoring Requirements

- 4.2.1. The permittee shall daily monitor and record the stabilized static pressure loss across each of the baghouses BH1, BH2, BH3, BH4, BH5, ~~and~~ BH6, [BH7](#), and [BH8](#).

[45CSR13, R13-2571, 4.2.2.c.]

[\[40 C.F.R. §64.3\(a\); 45CSR§30-5.1.c.\] \(BH7, BH8\)](#)

- 4.2.2. For the purpose of determining compliance with the opacity limit set forth in 4.1.4. in this permit, the permittee shall conduct monthly visible emission checks and/or opacity monitoring and recordkeeping. The visible emission check shall determine the presence or absence of visible emissions. At a minimum, the observer must be trained and knowledgeable regarding the effects of background contrast, ambient lighting, observer position relative to lighting, wind, and the presence of uncombined water (condensing water vapor) on the visibility of emissions. This training may be obtained from written materials found in the References 1 and 2 from 40CFR60, Appendix A, Method 22 or from the lecture portion of the 40CFR60, Appendix A, Method 9 certification course.

The permittee shall conduct visual emission observations in accordance with Method 22 of 40 CFR 60, Appendix A for emission points E1, E2, E3, E6, E7, E8, [E17](#), and [E18](#). The observations shall be conducted at least once per calendar month with a maximum of forty-five (45) days between consecutive test dates. These observations shall be conducted during periods of normal facility operation and appropriate weather conditions for a sufficient time interval, but no less than one (1) minute, to determine if the unit has visible emissions using procedures outlined in 40CFR60 Appendix A, Method 22. If sources of visible emissions are identified during the survey, the permittee shall conduct an opacity evaluation in accordance with 45CSR7A, within twenty-four (24) hours. An evaluation based upon 45CSR7A shall not be required if the visible emission condition is corrected in a timely manner and the units are operated at normal operating conditions with no visible emissions being observed.

[45CSR§7A-2.1.a. and 45CSR§30-5.1.c.]

[\[40 C.F.R. §64.3\(b\); 45CSR§30-5.1.c.\] \(Em. Points: E17, E18\)](#)

- 4.2.3. [Monitoring of CAM Indicator Ranges & Excursion Definitions for Baghouses BH7 and BH8 \(Em. Pts. E17 and E18\)](#)

- a. [Indicator No. 1 – Pressure Drop. The indicator range is the stabilized static pressure loss set forth in condition 4.1.3. The pressure drop shall be monitored and recorded at least once per 24-hour period \(while the emission units controlled by BH7 and BH8 are operating\). An excursion shall be any observed reading outside of this range.](#)
- b. [Indicator No. 2 – Visible Emissions. The indicator range is no visible emissions observed. The visible emissions monitoring shall be conducted in accordance with condition 4.2.2., and recorded at the same frequency. An excursion shall be any observed visible emissions from emission points E17 and E18 while monitored in accordance with condition 4.2.2.](#)

[Refer to conditions 4.2.7. \(Response to Excursions and Exceedances\), 4.4.1. \(General recordkeeping requirements for CAM\), and 4.5.1. \(General reporting requirements for CAM\) for recordkeeping and reporting requirements for excursions.](#)

[\[40 C.F.R. §§ 64.3\(a\), 64.3\(b\)\(4\)\(iii\), and 64.6\(c\)\(2\); 45CSR§30-5.1.c.\]](#)

- 4.2.4. **Commencement of operation** – The permittee shall conduct the monitoring required under 40 C.F.R. Part 64 upon issuance of this permit that includes such monitoring. [40 C.F.R. § 64.7(a); 45CSR§30-5.1.c.] (BH7, BH8)
- 4.2.5. **Proper Maintenance** – At all times, the permittee shall maintain the monitoring, including but not limited to, maintaining necessary parts for routine repairs of the monitoring equipment. [40 C.F.R. § 64.7(b); 45CSR§30-5.1.c.] (BH7, BH8)
- 4.2.6. **Continued Operation** – Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. Data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities shall not be used for purposes of 40 C.F.R. Part 64, including data averages and calculations, or fulfilling a minimum data availability requirement, if applicable. The owner or operator shall use all the data collected during all other periods in assessing the operation of the control device and associated control system. 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. [40 C.F.R. § 64.7(c); 45CSR§30-5.1.c.] (BH7, BH8)
- 4.2.7. **Response to Excursions or Exceedances**
- (1) Upon detecting an excursion or exceedance, the permittee shall restore operation of the pollutant-specific emissions unit (including the control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Such actions may include initial inspection and evaluation, recording that operations returned to normal without operator action (such as through response by a computerized distribution control system), or any necessary follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.
 - (2) Determination of whether the permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include but is not limited to, monitoring results, review of operation and maintenance procedures and records, and inspection of the control device, associated capture system, and the process.
- [40 C.F.R. § 64.7(d); 45CSR§30-5.1.c.] (BH7, BH8)**

4.2.8. **Documentation of Need for Improved Monitoring** – After approval of monitoring under 40 C.F.R. Part 64, if the permittee identifies a failure to achieve compliance with an emission limitation or standard for which the approved monitoring did not provide an indication of an excursion or exceedance while providing valid data, or the results of compliance or performance testing document a need to modify the existing indicator ranges or designated conditions, the permittee shall promptly notify the Director and, if necessary, submit a proposed modification to the permit to address the necessary monitoring changes. Such a modification may include, but is not limited to, reestablishing indicator ranges or designated conditions, modifying the frequency of conducting monitoring and collecting data, or the monitoring of additional parameters.
[40 C.F.R. § 64.7(e); 45CSR§30-5.1.c.] (BH7, BH8)

4.2.9. **Quality Improvement Plan (QIP)** – Based on the results of a determination made under §64.7(d)(2) (Response to excursions or exceedances, permit condition 4.2.7.(2)), the Administrator or the Director may require the permittee to develop and implement a QIP. If a QIP is required, then it shall be developed, implemented, and modified as required according to 40 C.F.R. §§ 64.8(b) through (e). Refer to permit condition 4.5.1.(2)c. for the reporting required when a QIP is implemented.
[40 C.F.R. § 64.8; 45CSR§30-5.1.c.] (BH7, BH8)

4.3. Testing Requirements

4.3.1. The permittee shall develop and implement a program to annually verify and calibrate the differential pressure sensing devices.
[45CSR§30-12.7.] (BH1, BH2, BH3, BH4, BH5, BH6)
[40 C.F.R. § 64.3(b)(3); 45CSR§30-5.1.c.] (BH7, BH8)

4.4. Recordkeeping Requirements

4.4.1. ~~Reserved.~~ **General recordkeeping requirements for 40 C.F.R. Part 64 (CAM).** The permittee shall comply with the recordkeeping requirements specified in permit conditions 3.4.1. and 3.4.2. The permittee shall maintain records of monitoring data, monitor performance data, corrective actions taken, any written quality improvement plan required pursuant to 40 C.F.R. §64.8 (condition 4.2.9.) and any activities undertaken to implement a quality improvement plan, and other supporting information required to be maintained under 40 C.F.R. Part 64 (such as data used to document the adequacy of monitoring, or records of monitoring maintenance or corrective actions).
[40 C.F.R. § 64.9(b); 45CSR§30-5.1.c.] (BH7, BH8)

4.5. Reporting Requirements

4.5.1. ~~Reserved.~~ **General reporting requirements for 40 C.F.R. Part 64 (CAM)**

- (1) On and after the date specified in 40 C.F.R. §64.7(a) by which the permittee must use monitoring that meets the requirements of 40 C.F.R. 64, the permittee shall submit CAM monitoring reports with the quarterly excess emissions reports. A copy of the CAM monitoring reports generated within the semi-annual monitoring report period shall be included with the semi-annual monitoring report under permit condition 3.5.6. Incorporation by reference within the semi-annual monitoring report is not acceptable.

- (2) A report for monitoring under 40 C.F.R. 64 shall include, at a minimum, the information required under permit condition 3.5.8. and the following information, as applicable:
- a. Summary information on the number, duration and cause (including unknown cause, if applicable) of excursions or exceedances, as applicable, and the corrective actions taken;
 - b. Summary information on the number, duration and cause (including unknown cause, if applicable) for monitor downtime incidents (other than downtime associated with zero and span or other daily calibration checks, if applicable); and
 - c. A description of the actions taken to implement a QIP during the reporting period as specified in 40 C.F.R. §64.8. Upon completion of a QIP, the permittee shall include in the next summary report documentation that the implementation of the plan has been completed and reduced the likelihood of similar levels of excursions or exceedances occurring.

[40 C.F.R. § 64.9(a); 45CSR§30-5.1.c.] (BH7, BH8)

4.6. Compliance Plan

4.6.1. Reserved.

5.0 Wood and Natural Gas-Fired Boilers [emission point ID(s): E4, E5, E-B4]

5.1. Limitations and Standards

- 5.1.1. Maximum emissions to the atmosphere from Emission Point ID# E4 (Wood Boiler B1) shall not exceed the following limits:

Pollutant	Maximum Hourly Emissions (lb/hr)	Maximum Annual Emissions (ton/year)
Nitrogen Oxides	13.83	60.57
Carbon Monoxide	8.47	37.09
Particulate Matter	7.06	30.91
Sulfur Dioxide	0.71	3.09
Volatile Organic Compounds	0.48	2.10

Compliance with the annual emission limits shall be determined using rolling yearly totals. A rolling yearly total shall mean the sum of the emissions at any given time for the previous twelve (12) consecutive months. Compliance with the particulate matter hourly emission limit ensures compliance with the less stringent hourly limit set forth by 45CSR§2-4.1. Compliance with the sulfur dioxide hourly emission limit ensures compliance with the less stringent hourly limit in 45CSR§10-3.3.f.

[45CSR13, R13-2571, 4.1.1., 4.1.29.(c), and 4.1.42., 45CSR§2-4.1.c., 45CSR§10-3.3.f.]

- 5.1.2. Maximum emissions to the atmosphere from Emission Point ID# E5 (Natural Gas Boiler B2) shall not exceed the following limits:

Pollutant	Maximum Hourly Emissions (lb/hr)	Maximum Annual Emissions (ton/year)
Nitrogen Oxides	2.09	9.16
Carbon Monoxide	1.76	7.69
Particulate Matter	0.16	0.70
Sulfur Dioxide	0.01	0.05
Volatile Organic Compounds	0.11	0.50

Compliance with the annual emission limits shall be determined using rolling yearly totals. A rolling yearly total shall mean the sum of the emissions at any given time for the previous twelve (12) consecutive months. Compliance with the particulate matter hourly emission limit ensures compliance with the less stringent hourly limit set forth by 45CSR§2-4.1. Compliance with the sulfur dioxide hourly emission limit ensures compliance with the less stringent hourly limit in 45CSR§10-3.3.f.

[45CSR13, R13-2571, 4.1.2., 4.1.29.(b), and 4.1.42., 45CSR§2-4.1.b., 45CSR§10-3.3.f.]

- 5.1.3. Maximum emissions to the atmosphere from Emission Point ID# EB-4 (Natural Gas Fired Auxiliary Boiler B4) shall not exceed the following limits:

Pollutant	Maximum Hourly Emissions (lb/hr)	Maximum Annual Emissions (ton/year)
Nitrogen Oxides	0.12	0.54
Carbon Monoxide	0.10	0.45
Particulate Matter	0.01	0.04
Sulfur Dioxide	0.01	0.01
Volatile Organic Compounds	0.01	0.03

Compliance with the annual emission limits shall be determined using rolling yearly totals. A rolling yearly total shall mean the sum of the emissions at any given time for the previous twelve (12) consecutive months.

[45CSR13, R13-2571, 4.1.3.]

- 5.1.4. The hourly and annual throughput of wood waste to the 28.8 MMBTU/hr Hurst Boiler and Welding Co. Inc. Wood Boiler (B1), shall not exceed 2,866 lb/hr or 12,553 ton/year. Compliance with the wood waste throughput limit shall be determined using a rolling yearly total. A rolling yearly total shall mean the sum of the throughput at any given time for the previous twelve (12) consecutive months.

[45CSR13, R13-2571, 4.1.4.]

- 5.1.5. The hourly and annual throughput of natural gas to the 20.9 MMBTU/hr Hurst Boiler (B2), shall not exceed 20,904 cubic feet per hour or 183,115,208 cubic feet per year. Compliance with the natural gas throughput limit shall be determined using a rolling yearly total. A rolling yearly total shall mean the sum of the throughput at any given time for the previous twelve (12) consecutive months.

[45CSR13, R13-2571, 4.1.5.]

- 5.1.6. The hourly and annual throughput of natural gas to the 1.22 MMBTU/hr Buderus Boiler (B4), shall not exceed 1,220 cubic feet per hour or 10,690,000 cubic feet per year. Compliance with the natural gas throughput limit shall be determined using a rolling yearly total. A rolling yearly total shall mean the sum of the throughput at any given time for the previous twelve (12) consecutive months.

[45CSR13, R13-2571, 4.1.6.]

- 5.1.7. Emissions from Wood Boiler B1 shall be vented to and controlled by a multicyclone (C1), prior to release to the atmosphere. This control device shall be designed to achieve a minimum guaranteed control efficiency of 80% for particulate matter emissions.

[45CSR13, R13-2571, 4.1.9.]

- 5.1.8. No person shall cause, suffer, allow or permit emission of smoke and/or particulate matter into the open air from any fuel burning unit which is greater than ten (10) percent opacity based on a six minute average.

[45CSR§2-3.1., and 45CSR13, R13-2571, 4.1.28 and 4.1.27.]

- 5.1.9. Except during startup and shutdown, opacity from Boilers B1 and B2 shall not exceed ten (10) percent based on a six minute block average.
[45CSR§2-9.1, and 45CSR13, R13-2571, 4.1.15.]
- 5.1.10. The addition of sulfur oxides to a combustion unit exit gas stream for the purpose of improving emissions control equipment efficiency shall be reviewed by the Director. No person shall cause, suffer, allow or permit the addition of sulfur oxides as described above unless written approval for such addition is provided by the Director.
[45CSR§2-4.4., and 45CSR13, R13-2571, 4.1.30.]
- 5.1.11. At all times, including periods of start-ups, shutdowns, and malfunctions, owners and operators shall, to the extent practicable, maintain and operate any fuel burning unit(s) including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions.
[45CSR§2-9.2., and 45CSR13, R13-2571, 4.1.33.]
- 5.1.12. The stabilized static pressure loss across the multicyclone (C1) shall not exceed pressure drop of 3.4 inches of water.
[45CSR13, R13-2571, 4.1.10.]
- 5.1.13. **40 C.F.R. 63 Subpart DDDDD requirements for Boiler B1.** The wood-fired boiler B1 shall comply with all applicable requirements for existing affected sources, pursuant to 40 C.F.R. 63, Subpart DDDDD - “National Emission Standards for Hazardous Air Pollutants for Industrial/Commercial/Institutional Boilers and Process Heaters” no later than the existing source compliance date of January 31, 2016. ~~March 21, 2014, as amended by US EPA in its indefinite stay of the rule effective date. Pursuant to notice in the Federal Register the “delay of effectiveness will remain in place until the proceedings for judicial review are completed or the EPA completes its reconsideration of the rules, whichever is earlier, and the Agency publishes a notice in the Federal Register announcing that the rules are in effect.”~~ The permittee shall submit a complete application for a significant Title V permit modification with the Notification of Compliance Status (NOCS) report to incorporate the specific applicable requirements of 40 C.F.R. 63, Subpart DDDDD and the source-specific operating limits established during the initial compliance demonstration pursuant to 40 C.F.R. §63.7530.
[40 C.F.R. 63, Subpart DDDDD; 76 FR 28662-28664 (May 18, 2011) 40 C.F.R. §§ 63.7495(b), 63.7530, and 63.7545(e); 45CSR34]
- 5.1.14. **40 C.F.R. 63 Subpart DDDDD requirements for Boiler B2.** The 20.9 MMBtu/hr natural gas-fired boiler B2 shall comply with all applicable requirements for existing affected sources, pursuant to 40 C.F.R. 63, Subpart DDDDD - “National Emission Standards for Hazardous Air Pollutants for Industrial/Commercial/Institutional Boilers and Process Heaters” no later than the existing source compliance date of January 31, 2016. The following specific requirements are applicable:
- a. Conduct a tune-up of the boiler annually as specified in 40 C.F.R. §63.7540(a)(10).
- b. Must have a one-time energy assessment performed by a qualified energy assessor in accordance with the requirements specified in Item 4 of Table 3 to 40 C.F.R. 63 Subpart DDDDD.
- [40 C.F.R. §63.7495(b); §63.7500(a)(1), Table 3, Items 3 and 4; 40 C.F.R. §§ 63.7500(e) and 63.7540(a)(10); 45CSR34]**

- 5.1.15. [40 C.F.R. 63 Subpart DDDDD requirements for Boiler B4](#). [The 1.22 MMBtu/hr natural gas-fired boiler B4 shall comply with all applicable requirements for existing affected sources, pursuant to 40 C.F.R. 63, Subpart DDDDD - “National Emission Standards for Hazardous Air Pollutants for Industrial/Commercial/Institutional Boilers and Process Heaters” no later than the existing source compliance date of January 31, 2016. The following specific requirements are applicable:](#)

- a. [Conduct a tune-up of the boiler every 5 years as specified in 40 C.F.R. §63.7540\(a\)\(12\).](#)
- b. [Must have a one-time energy assessment performed by a qualified energy assessor in accordance with the requirements specified in Item 4 of Table 3 to 40 C.F.R. 63 Subpart DDDDD.](#)

[\[40 C.F.R. §63.7495\(b\); §63.7500\(a\)\(1\), Table 3, Items 1 and 4; 40 C.F.R. §§ 63.7500\(e\) and 63.7540\(a\)\(12\); 45CSR34\]](#)

5.2. Monitoring Requirements

- 5.2.1. The permittee shall monitor and record the monthly input of wood waste to the boiler B1. [\[40 C.F.R. § 60.48c\(g\), 45CSR16, and 45CSR13, R13-2571, 4.2.1.b.\]](#)
- 5.2.2. The permittee shall monitor and record the monthly input of natural gas to the boiler B2. [\[40 C.F.R. § 60.48c\(g\), 45CSR16, and 45CSR13, R13-2571, 4.2.1.c.\]](#)
- 5.2.3. The permittee shall monitor and record the annual hours of operation of boilers B1 and B2. [\[45CSR13, R13-2571, 4.2.1.d.\]](#)
- 5.2.4. The permittee shall monitor and record once per hour (while B1 is operating), the differential pressure across the multicyclone (Control Device C1) controlling emissions from the wood waste boiler B1. [\[40 C.F.R. § 64.3\(b\)\(4\)\(iii\); 45CSR§30-5.1.c.; 45CSR13, R13-2571, 4.2.2.a.\]](#) *Compliance with this hourly monitoring frequency for 40 C.F.R. Part 64 ensures compliance with the less stringent frequency (i.e., once per week) required by permit R13-2571, condition 4.2.2.a.*
- 5.2.5. For the purpose of determining compliance with the opacity limit set forth in 5.1.8. and 5.1.9. in this permit, the permittee shall conduct visible emission checks and/or opacity monitoring and recordkeeping. The visible emission check shall determine the presence or absence of visible emissions. At a minimum, the observer must be trained and knowledgeable regarding the effects of background contrast, ambient lighting, observer position relative to lighting, wind, and the presence of uncombined water (condensing water vapor) on the visibility of emissions. This training may be obtained from written materials found in the References 1 and 2 from 40CFR60, Appendix A, Method 22 or from the lecture portion of the 40CFR60, Appendix A, Method 9 certification course.

The permittee shall conduct visual emission observations in accordance with Method 22 of 40 CFR 60, Appendix A for emission point ID E4 and E5, which are boilers B1 and B2, respectively. The observations shall be conducted at least once per calendar month with a maximum of forty-five (45) days between consecutive test dates. These observations shall be conducted during periods of normal facility operation and appropriate weather conditions for a sufficient time interval, but no less than one (1) minute (fifteen (15) minutes for boiler B1 in order to comply with 40 C.F.R. Part 64), to determine if the unit has visible emissions using procedures outlined in 40CFR60 Appendix A, Method 22. If sources of visible emissions are identified during the survey, the permittee shall conduct an opacity evaluation in accordance with 40CFR60 Appendix A, Method 9, within twenty-four (24) hours. An evaluation based upon 40CFR60 Appendix A, Method 9, shall not be required if the visible emission condition is corrected in a timely manner and the units are operated at normal operating conditions with no visible emissions being observed.

For compliance of boiler B1 with 40 C.F.R. Part 64 (CAM), any observed emissions (i.e., presence of visible emissions) will be investigated, problem corrected, and actions that are taken to restore proper operation will be documented.

Compliance with the more stringent fifteen (15) minute duration under CAM for boiler B1 ensures compliance with the applicable 1-minute duration requirement of R13-2571, condition 4.2.4.

[45CSR13, R13-2571, 4.1.15., 4.1.27., 4.2.4.]
[40 C.F.R. § 64.3(b)(4); 45CSR§30-5.1.c.] (B1)

- 5.2.6. If visible emissions are present at either boilers B1 or B2 for three (3) consecutive monthly checks, the permittee shall conduct an opacity reading at that emission point using the procedures and requirements of 40CFR60, Appendix A, Method 9 as soon as practicable, but within seventy-two (72) hours of the final visual emission check. A 40CFR60, Appendix A, Method 9 observation restarts the count of the number of consecutive readings with the presence of visible emissions.

[45CSR13, R13-2571, 4.2.5.]

- 5.2.7. **Commencement of operation** – The permittee shall conduct the monitoring required under 40 C.F.R. Part 64 upon issuance of this permit that includes such monitoring.

[40 C.F.R. § 64.7(a); 45CSR§30-5.1.c.] (B1)

- 5.2.8. **Proper Maintenance** – At all times, the permittee shall maintain the monitoring, including but not limited to, maintaining necessary parts for routine repairs of the monitoring equipment.

[40 C.F.R. § 64.7(b); 45CSR§30-5.1.c.] (B1)

- 5.2.9. **Continued Operation** – Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. Data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities shall not be used for purposes of 40 C.F.R. Part 64, including data averages and calculations, or fulfilling a minimum data availability requirement, if applicable. The owner or operator shall use all the data collected during all other periods in assessing the operation of the control device and associated control system. 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.

[40 C.F.R. § 64.7(c); 45CSR§30-5.1.c.] (B1)

- 5.2.10. **Response to Excursions or Exceedances**

- (1) Upon detecting an excursion or exceedance, the permittee shall restore operation of the pollutant-specific emissions unit (including the control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Such actions may include initial inspection and evaluation, recording that operations returned to normal without operator action (such as through response by a computerized distribution control system), or any necessary follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.

- (2) Determination of whether the permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include but is not limited to, monitoring results, review of operation and maintenance procedures and records, and inspection of the control device, associated capture system, and the process.

[40 C.F.R. § 64.7(d); 45CSR§30-5.1.c.] (B1)

- 5.2.11. **Documentation of Need for Improved Monitoring** – After approval of monitoring under 40 C.F.R. Part 64, if the permittee identifies a failure to achieve compliance with an emission limitation or standard for which the approved monitoring did not provide an indication of an excursion or exceedance while providing valid data, or the results of compliance or performance testing document a need to modify the existing indicator ranges or designated conditions, the permittee shall promptly notify the Director and, if necessary, submit a proposed modification to the permit to address the necessary monitoring changes. Such a modification may include, but is not limited to, reestablishing indicator ranges or designated conditions, modifying the frequency of conducting monitoring and collecting data, or the monitoring of additional parameters.

[40 C.F.R. § 64.7(e); 45CSR§30-5.1.c.] (B1)

- 5.2.12. **Quality Improvement Plan (QIP)** – Based on the results of a determination made under §64.7(d)(2) (Response to excursions or exceedances, permit condition 5.2.10.(2)), the Administrator or the Director may require the permittee to develop and implement a QIP. If a QIP is required, then it shall be developed, implemented, and modified as required according to 40 C.F.R. §§ 64.8(b) through (e). Refer to permit condition 5.5.4.(2)c. for the reporting required when a QIP is implemented.

[40 C.F.R. § 64.8; 45CSR§30-5.1.c.] (B1)

- 5.2.13. **Excursions** – For the purposes of 40 C.F.R. Part 64, an excursion shall be defined for each indicator as follows:

- (a) Indicator No. 1 – *Visible Emissions*. Emission of smoke and/or particulate matter into the open air which is greater than 10% opacity based on a six minute block average. The permittee will shut down boiler B1 if there are any twelve (12) incidents in a 24-hour period of visual emissions failing the normal 6-minute test cycle.
- (b) Indicator No. 2 – *Differential pressure across multicyclone C1*. A reading greater than 2.5 inches of water for a period of 30 minutes or longer. An alarm is set to trigger at any reading above 2.5 inches of water, at which time the permittee will investigate.

Refer to conditions 5.2.10. (Response to Excursions and Exceedances), 5.4.4. (General recordkeeping requirements for CAM), and 5.5.4. (General reporting requirements for CAM) for recordkeeping and reporting requirements for excursions.

[40 C.F.R. § 64.6(c)(2); 45CSR§30-5.1.c.] (B1)

- 5.2.14. Differential pressure measuring device (magnehelic or equivalent) will be calibrated via Preventitive Maintenance order annually for multicyclone C1.

[40 C.F.R. § 64.3(b)(3); 45CSR§30-5.1.c.] (B1)

5.3. Testing Requirements

- 5.3.1. At such reasonable times as the Director may designate, the owner or operator of any fuel burning unit may be required to conduct or have conducted tests to determine compliance.
[45CSR§2-8.1.b., and 45CSR13, R13-2571, 4.1.31.]

5.4. Recordkeeping Requirements

- 5.4.1. The owner or operator shall maintain records of the operating schedule and the quantity and quality of fuel consumed in each fuel burning unit in a manner to be established by the Director and set forth in an interpretive rule as authorized by W.Va. Code §29A-1-2. Such records are to be maintained on-site and made available to the Director or his duly authorized representative upon request.
[45CSR§2-8.3.c., and 45CSR13, R13-2571, 4.1.32.]
- 5.4.2. Records shall be maintained in accordance with permit condition 3.4.2. and certified records shall be made available to the Director of the Division of Air Quality or his/her duly authorized representative upon request. *Compliance with the more stringent five-year retention period set forth in permit R13-2571, condition 4.2.1., ensures compliance with the two-year period set forth in 40 C.F.R. §60.48c(i) that applies to B1 and B2.*
[45CSR13, R13-2571, 4.2.1., 40C.F.R. § 60.48c(i), and 45CSR16]
- 5.4.3. Records shall be maintained on site reporting the results of each test under 5.2.6. of this permit. Upon observing any visible emissions in excess of twenty percent (20%) opacity, or excess of forty (40%) for any period or periods aggregating more than five (5) minutes in any sixty (60) minute period, the Company shall submit a written report, certified by a responsible official, to the Director of the Division of Air Quality within five (5) days after taking said reading.
[45CSR13, R13-2571, 4.1.15.]
- 5.4.4. **General recordkeeping requirements for 40 C.F.R. Part 64 (CAM).** The permittee shall comply with the recordkeeping requirements specified in permit conditions 3.4.1. and 3.4.2. The permittee shall maintain records of monitoring data, monitor performance data, corrective actions taken, any written quality improvement plan required pursuant to 40 C.F.R. §64.8 (condition 5.2.12.) and any activities undertaken to implement a quality improvement plan, and other supporting information required to be maintained under 40 C.F.R. Part 64 (such as data used to document the adequacy of monitoring, or records of monitoring maintenance or corrective actions).
[40 C.F.R. § 64.9(b); 45CSR§30-5.1.c.] (B1)

5.5. Reporting Requirements

- 5.5.1. For the boilers B1 and B2, the permittee shall submit a report of the daily fuel use of the unit. The report shall be submitted every six (6) months to the Administrator and shall be postmarked by the 30th day following the end of the reporting period.
[40 C.F.R. § 60.48c(j), and 45CSR16]
- 5.5.2. The owner or operator of each affected facility shall submit notification of the date of construction or reconstruction, anticipated startup, and actual startup, as provided by 40 C.F.R. §60.7. This notification shall include:
- (1) The design heat input capacity of the affected facility and identification of fuels to be combusted in the affected facility.

- (2) If applicable, a copy of any Federally enforceable requirement that limits the annual capacity factor for any fuel or mixture of fuels under §60.42c, or §60.43c.
- (3) The annual capacity factor at which the owner or operator anticipates operating the affected facility based on all fuels fired and based on each individual fuel fired.
- (4) Notification if an emerging technology will be used for controlling SO₂ emissions. The Administrator will examine the description of the control device and will determine whether the technology qualifies as an emerging technology. In making this determination, the Administrator may require the owner or operator of the affected facility to submit additional information concerning the control device. The affected facility is subject to the provisions of §60.42c(a) or (b)(1), unless and until this determination is made by the Administrator.

[40 C.F.R. § 60.48c, 45CSR§16-4.1., and 45CSR13, R13-2571, 4.5.1.] (B1, B2)

- 5.5.3. For Boiler B1, the permittee shall fulfill all reporting requirements of §63.7 through §63.10 of subpart A (General Provisions) according to the applicability criteria in §63.800(d).

[40 C.F.R. § 63.807(a), and 45CSR34]

5.5.4. **General reporting requirements for 40 C.F.R. Part 64 (CAM)**

- (1) On and after the date specified in 40 C.F.R. §64.7(a) by which the permittee must use monitoring that meets the requirements of 40 C.F.R. 64, the permittee shall submit CAM monitoring reports with the quarterly excess emissions reports. A copy of the CAM monitoring reports generated within the semi-annual monitoring report period shall be included with the semi-annual monitoring report under permit condition 3.5.6. Incorporation by reference within the semi-annual monitoring report is not acceptable.
- (2) A report for monitoring under 40 C.F.R. 64 shall include, at a minimum, the information required under permit condition 3.5.8. and the following information, as applicable:
 - a. Summary information on the number, duration and cause (including unknown cause, if applicable) of excursions or exceedances, as applicable, and the corrective actions taken;
 - b. Summary information on the number, duration and cause (including unknown cause, if applicable) for monitor downtime incidents (other than downtime associated with zero and span or other daily calibration checks, if applicable); and
 - c. A description of the actions taken to implement a QIP during the reporting period as specified in 40 C.F.R. §64.8. Upon completion of a QIP, the permittee shall include in the next summary report documentation that the implementation of the plan has been completed and reduced the likelihood of similar levels of excursions or exceedances occurring.

[40 C.F.R. § 64.9(a); 45CSR§30-5.1.c.] (B1)

5.6. Compliance Plan

- 5.6.1. Reserved.

6.0 Recuperative Thermal Oxidizers [emission point ID(s): E9, E10]

6.1 Limitations and Standards

6.1.1. Emissions from the Regenerative Thermal Oxidizers RTO1 (Emission Point ID# E9) and RTO2 (Emission Point ID# E10), shall not exceed the following limits:

Pollutant	Emission Point ID# E9	Emission Point ID# E10	Combined Emission Points ID# E9 and E10	Combined Emission Points ID# E9 and E10
	Maximum Hourly Emissions (lb/hr) *	Maximum Hourly Emissions (lb/hr) *	Maximum Hourly Emissions (lb/hr) *	Maximum Annual Emissions (ton/year) **
Carbon Monoxide	1.46	1.46	1.46	6.41
Nitrogen Oxides	1.74	1.74	1.74	7.63
Sulfur Dioxide	0.01	0.01	0.01	0.05
Particulate Matter	1.16	1.16	1.16	3.78
Volatile Organic Compounds	69.37	69.37	69.37	216.56
Total Hazardous Air Pollutants	14.36	14.36	14.36	44.85

* RTO1 (Emission Point ID# E9) and RTO2 (Emission Point ID# E10) can be utilized alone or together, as required by the air pollutant loading to the control devices. The hourly emission limits above allow the permittee to operate either RTO1 or RTO2 alone, or both RTO1 and RTO2 at the same time. When RTO1 and RTO2 are operating at the same time, the hourly air pollutant emission rates from both Emission Point ID# E9 and E10 shall not exceed the Combined Emission Points ID# E9 and E10 Maximum Hourly Emissions limits listed above.

** The combined annual air pollutant emission rates from Emission Point ID# E9 and E10 shall not exceed the Combined Emission Points ID# E9 and E10 Maximum Annual Emissions limits listed above, whether the permittee operates RTO1 or RTO2 alone, or both RTO1 and RTO2 at the same time.

Compliance with the annual emission limits shall be determined using rolling yearly totals. A rolling yearly total shall mean the sum of the emissions at any given time for the previous twelve (12) consecutive months.

[45CSR13, R13-2571, 4.1.16.]

6.1.2. Emissions from the emission sources of all Finishing Operations (except for UV coating application and curing and water based paints), shall be vented to and controlled by a Regenerative Thermal Oxidizer, RTO1 (Emission Point ID# E9) or RTO2 (Emission Point ID# E10), prior to release to the atmosphere.

[45CSR13, R13-2571, 4.1.17.]

- 6.1.3. The Regenerative Thermal Oxidizers, RTO1 (Emission Point ID# E9) and RTO2 (Emission Point ID# E10) shall be designed to achieve a minimum guaranteed overall destruction efficiency of 95% for Total Volatile Organic Compound (VOC) emissions.
[45CSR13, R13-2571, 4.1.18.]
- 6.1.4. The Regenerative Thermal Oxidizers RTO1 and RTO2 shall maintain a minimum combustion chamber temperature of 1,550°F on a three (3) hour rolling average during hours of production. The minimum combustion temperature shall be the operating parameter for continued compliance.
[45CSR13, R13-2571, 4.1.19., 40 C.F.R. § 63.804(f)(4)(iv)(A), and 45CSR34]
- 6.1.5. The capture system pressure loss (the pressure difference between the building and the RTO inlet), shall maintain a minimum pressure drop of 0.004 inches of water on a three(3) hour rolling average while the plant is in production.
[45CSR13, R13-2571, 4.1.20.]
- 6.1.6. The emission sources listed in 6.1.2. shall be contained within a capture system that is designed to achieve a minimum guaranteed capture efficiency of 92% for Total Volatile Organic Compound (VOC) emissions.
[45CSR13, R13-2571, 4.1.21.]
- 6.1.7. No person shall cause, suffer, allow, or permit, the emission into the open air from any source operation an in-stack sulfur dioxide concentration exceeding 2,000 parts per million by volume from existing source operations, except as provided in subdivisions 4.1.a. through 4.1.e. of rule 45CSR10.
[45CSR§10-4.1., and 45CSR13, R13-2571, 4.1.44.]
- 6.1.8. At the request of the Director the owner and/or operator of a source shall install such stack gas monitoring devices as the Director deems necessary to determine compliance with the provisions of this rule. The data from such devices shall be readily available at the source location or such other reasonable location that the Director may specify. At the request of the Director, or his or her duly authorized representative, such data shall be made available for inspection or copying. Failure to promptly provide such data shall constitute a violation of this rule.
[45CSR§10-8.2.a., and 45CSR13, R13-2571, 4.1.45.]

6.2. Monitoring Requirements

- 6.2.1. The permittee shall monitor and record the three (3) hour rolling average combustion chamber temperature in the Regenerative Thermal Oxidizers RTO1 and RTO2 (during hours of operation). Each RTO shall have a temperature monitoring device equipped with a continuous recorder. The temperature monitoring device shall be installed in the firebox or in the ductwork immediately downstream of the firebox in a position before any substantial heat exchange occurs.
[45CSR13, R13-2571, 4.2.2.d., 40 C.F.R. § 63.804(g)(4)(ii), and 45CSR34]
- 6.2.2. The permittee shall monitor and record the daily average capture system pressure loss, as measured at the inlet of the Regenerative Thermal Oxidizers RTO1 and RTO2.
[45CSR13, R13-2571, 4.2.2.e.]
- 6.2.3. The permittee shall monitor and track the usage of all materials and record such data in REGMET, or an equivalent emissions tracking system.
[45CSR§30-5.1.c.]

6.3. Testing Requirements

6.3.1. Reserved.

6.4. Recordkeeping Requirements

6.4.1. Records shall be maintained in accordance with permit condition 3.4.2. and certified records shall be made available to the Director of the Division of Air Quality or his/her duly authorized representative upon request.

[45CSR13, R13-2571, 4.2.2.]

6.5. Reporting Requirements

6.5.1. See 3.2.2. of this permit.

6.6. Compliance Plan

6.6.1. Reserved.

7.0 Storage Tanks [emission point ID: E11]

7.1. Limitations and Standards

- 7.1.1. Emissions from the Pump Room exhaust vent, Emission Point ID# E-11, shall not exceed the following limits:

Pollutant	Maximum Hourly Emissions (lb/hr)	Maximum Annual Emissions (ton/year)
Volatile Organic Compounds	1.48	6.4
Total Hazardous Air Pollutants	1.48	6.4

Compliance with the annual emission limits shall be determined using rolling yearly totals. A rolling yearly total shall mean the sum of the emissions at any given time for the previous twelve (12) consecutive months.

[45CSR13, R13-2571, 4.1.25.]

- 7.1.2. The aggregated volume of all tanks in the pump room shall not exceed 275,000 gallons, nor shall the total VOC and/or HAP emissions from these tanks exceed 6.15 tons per year. Additionally, the volume of any individual tank shall not exceed 19,812 gallons.

[45CSR13, R13-2571, 4.1.58.]

- 7.1.3. The storage tanks shall be normally closed containers for storing finishing, gluing, cleaning, and washoff materials.

[40 C.F.R. § 63.803(g) and 45CSR34]

7.2. Monitoring Requirements

- 7.2.1. The permittee shall monitor all incoming materials and record such data in REGMET, or an equivalent emissions tracking system.

[45CSR§30-5.1.c.]

- 7.2.2. In order to determine compliance with the emission limits in condition 7.1.2. of this permit the permittee will use TANKS 4.0 in order to perform calculations to determine the VOC and HAP emission rate anytime a change is made to the pump room tanks which may increase emissions.

[45CSR13, R13-2571, 4.2.6.]

7.3. Testing Requirements

- 7.3.1. Reserved.

7.4. Recordkeeping Requirements

- 7.4.1. The permittee shall keep records of the calculations required by condition 7.2.2. of this permit. These records shall be maintained in accordance with permit condition 3.4.2. and certified records shall be made available to the Director of the Division of Air Quality or his/her duly authorized representative upon request.

[45CSR13, R13-2571, 4.4.6.]

- 7.4.2. The permittee shall keep records of individual tank capacities and the aggregate volume of all tanks in the pump room. These records shall be maintained in accordance with permit condition 3.4.2. and certified records shall be made available to the Director of the Division of Air Quality or his/her duly authorized representative upon request.

[45CSR§30-5.1.c.]

7.5. Reporting Requirements

- 7.5.1. Reserved.

7.6. Compliance Plan

- 7.6.1. Reserved.

8.0 Paint Spray Booth [emission point ID: E12]

8.1 Limitations and Standards

- 8.1.1. The spray paint booth, E12, shall be designed operated and maintained such that emissions are routed to the plant RTOs. Accordingly, total emissions from the booth shall not exceed the following:

Pollutant	Maximum Hourly Emissions (lb/hr)	Maximum Annual Emissions (ton/year)
Particulate Matter	0.16	0.49
Volatile Organic Compounds	0.04	0.13
Total Hazardous Air Pollutants	0.04	0.13

Compliance with the annual emission limits shall be determined using rolling yearly totals. A rolling yearly total shall mean the sum of the emissions at any given time for the previous twelve (12) consecutive months.

[45CSR13, R13-2571, 4.1.22.]

- 8.1.2. The permittee shall not use compounds containing more than 8.0 percent by weight of VOC for cleaning spray booth components other than conveyors, continuous coaters and their enclosures, or metal filters, unless the spray booth is being refurbished. If the spray booth is being refurbished, that is the spray booth coating or other protective material used to cover the booth is being replaced, the affected source shall use no more than 1.0 gallon of organic solvent per booth to prepare the surface of the booth prior to applying the booth coating.

[40 C.F.R. § 63.803(f) and 45CSR34]

8.2 Monitoring Requirements

- 8.2.1. The permittee shall monitor all incoming materials and record such data in REGMET, or an equivalent emissions tracking system.

[45CSR§30-5.1.c.]

8.3 Testing Requirements

- 8.3.1. Reserved.

8.4 Recordkeeping Requirements

- 8.4.1. Reserved.

8.5 Reporting Requirements

- 8.5.1. Reserved.

8.6 Compliance Plan

- 8.6.1. Reserved.

9.0 U.V. Roll Coaters and Ovens [emission point ID(s): E-B8 and E-B9]

9.1 Limitations and Standards

12.1.1. Emissions from the UV Ovens shall not exceed the following limits:

Pollutant	Maximum Hourly Emissions (lb/hr)	Maximum Annual Emissions (ton/year)
Particulate Matter	0.10	0.10
Volatile Organic Compounds	0.10	1.0
Total Hazardous Air Pollutants	0.10	0.10

Compliance with the annual emission limits shall be determined using rolling yearly totals. A rolling yearly total shall mean the sum of the emissions at any given time for the previous twelve (12) consecutive months.

[45CSR13, R13-2571, 4.1.24.]

12.1.2. Spray paint booths SB02 and SB03 shall be vented to either RTO1 or RTO2 unless water based paints are being used.

[45CSR13, R13-2571, 4.1.23]

9.2 Monitoring Requirements

12.2.1. Reserved.

9.3 Testing Requirements

9.3.1. Reserved.

9.4 Recordkeeping Requirements

12.4.1. Reserved.

9.5 Reporting Requirements

12.5.1. The permittee shall fulfill all reporting requirements of §63.7 through §63.10 of subpart A (General Provisions) according to the applicability criteria in §63.800(d).

[40 C.F.R. § 63.807(a), and 45CSR34]

9.6 Compliance Plan

12.6.1. Reserved.

10.0 Wood Fuel Silo S1, Sawdust Hopper SD13 [emission point ID(s): E23, E13]

10.1. Limitations and Standards

- 10.1.1. Wood waste fuel used to fire Wood Boiler B1 shall be stored in an enclosed Storage Silo S1. Emissions from Storage Silo S1 shall be vented to and controlled by Bin Vent/Baghouse (BV1), prior to release to the atmosphere.
[45CSR13, R13-2571, 4.1.7.]
- 10.1.2. No person shall cause, suffer, allow or permit visible emissions from any storage structure(s) associated with any manufacturing process(es) that pursuant to 45CSR§7-5.1 (10.1.3 of this permit) is required to have a full enclosure and be equipped with a particulate matter control device.
[45CSR§7-3.7., and 45CSR13, R13-2571, 4.1.35.]
- 10.1.3. No person shall cause, suffer, allow or permit any manufacturing process or storage structure generating fugitive particulate matter to operate that is not equipped with a system, which may include, but not be limited to, process equipment design, control equipment design or operation and maintenance procedures, to minimize the emissions of fugitive particulate matter. To minimize means such system shall be installed, maintained and operated to ensure the lowest fugitive particulate matter emissions reasonably achievable.
[45CSR§7-5.1., and 45CSR13, R13-2571, 4.1.37.]
- 10.1.4. No person shall cause, suffer, allow or permit emission of smoke and/or particulate matter into the open air from any process source operation which is greater than twenty (20) percent opacity, except as noted in subsections 3.2, 3.3, 3.4, 3.5, 3.6, and 3.7.
[45CSR13, R13-2571, 4.1.34.]
- 10.1.5. The stabilized static pressure loss across Bin Vent/Baghouse (BV1) shall remain between 0.5 to 4.0 inches of water anytime BV1 is operating.
[45CSR13, R13-2571, 4.1.8.]
- 10.1.6. The total amount of sawdust delivered to hopper S13 [SD13] shall not exceed 5,000 pounds per hour nor 5,200 tons per year.
[45CSR13, R13-2571, 4.1.59.]

10.2. Monitoring Requirements

- 10.2.1. For the purpose of determining compliance with the opacity limit set forth in 10.1.2. in this permit, the permittee shall conduct monthly visible emission checks and/or opacity monitoring and recordkeeping. The visible emission check shall determine the presence or absence of visible emissions. At a minimum, the observer must be trained and knowledgeable regarding the effects of background contrast, ambient lighting, observer position relative to lighting, wind, and the presence of uncombined water (condensing water vapor) on the visibility of emissions. This training may be obtained from written materials found in the References 1 and 2 from 40CFR60, Appendix A, Method 22 or from the lecture portion of the 40CFR60, Appendix A, Method 9 certification course.

The permittee shall conduct visual emission observations in accordance with Method 22 of 40 CFR 60, Appendix A for emission points E23. The observations shall be conducted at least once per calendar month with a maximum of forty-five (45) days between consecutive test dates. These observations shall be conducted during periods of normal facility operation and appropriate weather conditions for a sufficient

time interval, but no less than one (1) minute, to determine if the unit has visible emissions using procedures outlined in 40CFR60 Appendix A, Method 22. If sources of visible emissions are identified during the survey, the permittee shall conduct an opacity evaluation in accordance with 45CSR7A, within twenty-four (24) hours. An evaluation based upon 45CSR7A shall not be required if the visible emission condition is corrected in a timely manner and the units are operated at normal operating conditions with no visible emissions being observed.

[45CSR§7A-2.1.a. and 45CSR§30-5.1.c.]

10.2.2. The permittee shall daily monitor and record the stabilized static pressure loss across the bin vent/baghouse (BV1).

[45CSR13, R13-2571, 4.2.2.b.]

10.2.3. In order to determine compliance with the limits in condition 10.1.6. of this permit the permittee shall monitor and record the amount of sawdust transferred to the hopper [SD13] on a daily basis.

[45CSR13, R13-2571, 4.2.7.]

10.3. Testing Requirements

10.3.1. Reserved.

10.4. Recordkeeping Requirements

10.4.1. Reserved.

10.5. Reporting Requirements

10.5.1. Reserved.

10.6. Compliance Plan

10.6.1. Reserved.

11.0 Fire Pump Engine [emission point ID: E14]

11.1 Limitations and Standards

11.1.1 If you have an existing stationary CI RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions, you must comply with the applicable emission limitations and operating limitations no later than May 3, 2013.

[40 C.F.R. §63.6595(a)(1); 45CSR34]

11.1.2 For emergency stationary CI RICE¹, you must meet the following requirements, except during periods of startup:

- a. Change oil and filter every 500 hours of operation or annually, whichever comes first;²
- b. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first;
- c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.³

During periods of startup you must minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes.

¹ If an emergency engine is operating during an emergency and it is not possible to shut down the engine in order to perform the work practice requirements on the schedule required in Table 2c of 40 C.F.R. 63 Subpart ZZZZ, or if performing the work practice on the required schedule would otherwise pose an unacceptable risk under Federal, State, or local law, the work practice can be delayed until the emergency is over or the unacceptable risk under Federal, State, or local law has abated. The work practice should be performed as soon as practicable after the emergency has ended or the unacceptable risk under Federal, State, or local law has abated. Sources must report any failure to perform the work practice on the schedule required and the Federal, State or local law under which the risk was deemed unacceptable.

² Sources have the option to utilize an oil analysis program as described in 40 C.F.R. §63.6625(i) (permit condition 11.1.6.) in order to extend the specified oil change requirement in Table 2c of 40 C.F.R. 63 Subpart ZZZZ.

³ Sources can petition the Administrator pursuant to the requirements of 40 C.F.R. §63.6(g) for alternative work practices.

[40 C.F.R. §63.6602, Table 2c, Row 1; 40 C.F.R. §63.6625(h); 45CSR34] *This condition is subject to the compliance date specified in condition 11.1.1.*

11.1.3 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.

[40 C.F.R. §63.6605(b); 45CSR34] *This condition is subject to the compliance date specified in condition 11.1.1.*

- 11.1.4 If you own or operate an existing emergency or black start stationary RICE with a site rating of less than or equal to 500 HP located at a major source of HAP emissions, 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.
[40 C.F.R. §§63.6625(e) and 63.6625(e)(2); 40 C.F.R. §63.6640(a), Table 6, Row 9; 45CSR34] *This condition is subject to the compliance date specified in condition 11.1.1.*
- 11.1.5 If you own or operate an existing emergency stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions, you must install a non-resettable hour meter if one is not already installed.
[40 C.F.R. §63.6625(f); 45CSR34] *This condition is subject to the compliance date specified in condition 11.1.1.*
- 11.1.6 If you own or operate a stationary CI engine that is subject to the work, operation or management practices in item 1 of Table 2c to 40 C.F.R. 63 Subpart ZZZZ (permit condition 11.1.2.), you have the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2c to 40 C.F.R. 63 Subpart ZZZZ. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c 40 C.F.R. 63 Subpart ZZZZ (permit condition 11.1.2.a.). 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 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 days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine (permit condition 11.1.4.).
[40 C.F.R. §63.6625(i); 45CSR34] *This condition is subject to the compliance date specified in condition 11.1.1.*
- 11.1.7 *Requirements for emergency stationary RICE.* If you own or operate an existing emergency stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions, you must operate the emergency stationary RICE according to the requirements in paragraphs (i) through (iii) of this permit condition. Any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (i) through (iii) of this permit condition, is prohibited. If you do not operate the engine according to the requirements in paragraphs (i) through (iii) of this permit condition, the engine will not be considered an emergency engine under this subpart and will need to meet all requirements for non-emergency engines.
- (i) There is no time limit on the use of emergency stationary RICE in emergency situations.
- (ii) You may operate your emergency stationary RICE for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing of such units is limited to 100 hours per year. 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 year.

(iii) You may operate your emergency stationary RICE up to 50 hours per year in non-emergency situations, but those 50 hours are counted towards the 100 hours per year provided for maintenance and testing.

[40 C.F.R. §63.6640(f)(1); 45CSR34] *This condition is subject to the compliance date specified in condition 11.1.1.*

11.2 Monitoring Requirements

11.2.1 Reserved.

11.3 Testing Requirements

11.3.1 Reserved.

11.4 Recordkeeping Requirements

11.4.1 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 (permit condition 11.1.4.) if you own or operate an existing stationary emergency RICE.

[40 C.F.R. §§63.6655(e) and 63.6655(e)(2); 45CSR34] *This condition is subject to the compliance date specified in condition 11.1.1.*

11.4.2 If you own or operate an existing emergency stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions that does not meet the standards applicable to non-emergency engines, 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 engines are used for demand response operation, the owner or operator must keep records of the notification of the emergency situation, and the time the engine was operated as part of demand response.

[40 C.F.R. §§63.6655(f) and 63.6655(f)(1); 45CSR34] *This condition is subject to the compliance date specified in condition 11.1.1.*

11.4.3 Form and Retention of Records for 40 C.F.R. 63 Subpart ZZZZ.

- (a) Your records must be in a form suitable and readily available for expeditious review according to 40 C.F.R. §63.10(b)(1).
- (b) As specified in 40 C.F.R. §63.10(b)(1), you must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.
- (c) You must keep each record readily accessible in hard copy or electronic form for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 C.F.R. §63.10(b)(1).

[40 C.F.R. §§63.6660(a), (b), and (c); 45CSR34] *This condition is subject to the compliance date specified in condition 11.1.1.*

11.5 Reporting Requirements

- 11.5.1 You must report each instance in which you did not meet each limitation in Table 2c to 40 C.F.R. 63 Subpart ZZZZ (permit condition 11.1.2.). These instances are deviations from the emission and operating limitations in 40 C.F.R. 63 Subpart ZZZZ. These deviations must be reported according to the requirements in 40 C.F.R. §63.6650 (permit condition 11.5.3.).

[40 C.F.R. §63.6640(b); 45CSR34] *This condition is subject to the compliance date specified in condition 11.1.1.*

- 11.5.2 You must also report each instance in which you did not meet the requirements in Table 8 to 40 C.F.R. 63 Subpart ZZZZ that apply to you.

[40 C.F.R. §63.6640(e); 45CSR34] *This condition is subject to the compliance date specified in condition 11.1.1.*

- 11.5.3 The permittee must report all deviations as defined in 40 C.F.R. 63 Subpart ZZZZ in the semiannual monitoring report required by permit condition 3.5.6.

[40 C.F.R. §63.6650(f); 45CSR34] *This condition is subject to the compliance date specified in condition 11.1.1.*

11.6 Compliance Plan

- 11.6.1 Reserved.

12.0 Waste-Solvent Recovery Still [emission point ID: E11]

12.1. Limitations and Standards

12.1.1. Use of the waste-solvent recovery (PR-SS2) still shall be in accordance with the following requirements:

- a. The still shall be maintained and operated as a closed system with no direct exhaust of emissions to the atmosphere and cleaning and maintenance of the still shall be performed in such a manner so as to limit the fugitive escape of solvent vapors to 5% or less of the total amount of solvent processed through the still.
- b. Maximum VOC and HAP emissions from the still shall be calculated at a 5% loss rate of the total solvent throughput over any given period of time.
- c. Maximum throughput of the still shall not exceed 14,980 gallons per year and no solvent shall be processed through the still with greater than 7.17 lb-VOC/gallon or 7.17 lb-HAP/gallon.
- d. VOC and HAP emissions from the still shall not exceed 2.69 tons/year and shall count toward the facility-wide VOC limit given under 3.1.12.

[45CSR13, R13-2571, 4.1.60.]

12.2. Monitoring Requirements

12.3.1. Reserved.

12.3. Testing Requirements

12.3.1. Reserved.

12.4. Recordkeeping Requirements

12.4.1. Refer to permit conditions 3.4.11.a. through 3.4.11.e.

12.5. Reporting Requirements

12.5.1. Reserved.

12.6. Compliance Plan

12.6.1. Reserved.