

**MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY  
AIR QUALITY DIVISION**

November 8, 2018

**PERMIT TO INSTALL**  
361-05B

**ISSUED TO**  
Banks Hardwoods, Inc.

**LOCATED AT**  
69937 M-103  
Mottville, Michigan

**IN THE COUNTY OF**  
St. Joseph

**STATE REGISTRATION NUMBER**  
N2206

The Air Quality Division has approved this Permit to Install, pursuant to the delegation of authority from the Michigan Department of Environmental Quality. This permit is hereby issued in accordance with and subject to Section 5505(1) of Article II, Chapter I, Part 55, Air Pollution Control, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended. Pursuant to Air Pollution Control Rule 336.1201(1), this permit constitutes the permittee's authority to install the identified emission unit(s) in accordance with all administrative rules of the Department and the attached conditions. Operation of the emission unit(s) identified in this Permit to Install is allowed pursuant to Rule 336.1201(6).

DATE OF RECEIPT OF ALL INFORMATION REQUIRED BY RULE 203:

**September 10, 2018**

DATE PERMIT TO INSTALL APPROVED:

**November 8, 2018**

SIGNATURE:

DATE PERMIT VOIDED:

SIGNATURE:

DATE PERMIT REVOKED:

SIGNATURE:

## PERMIT TO INSTALL

### Table of Contents

<b>Section</b>	<b>Page</b>
Alphabetical Listing of Common Abbreviations / Acronyms .....	2
General Conditions .....	3
Special Conditions .....	5
Emission Unit Summary Table.....	5
Special Conditions for EU-PLANT1 .....	7
Special Conditions for EU-PLANT2 .....	9
Special Conditions for EU- EU-QUANTUM .....	11
Special Conditions for EU-CEMENT.....	13
Special Conditions for EU-COMPONENT .....	15
Special Conditions for EU-PLANT3 .....	17
Special Conditions for EU-GREENCYCLONE.....	19
Special Conditions for EU-BOIL1CYC .....	21
Special Conditions for EU-PROPANEHEAT.....	23
Special Conditions for EU-BOILER1.....	24
Special Conditions for EU-BOILER2.....	26
Flexible Group Summary Table .....	28
Special Conditions for FGBOILERS .....	28
Special Conditions for FGKILNS.....	30
Special Conditions for FGCOAT .....	34

**Common Abbreviations / Acronyms**

<b>Common Acronyms</b>		<b>Pollutant / Measurement Abbreviations</b>	
AQD	Air Quality Division	acfm	Actual cubic feet per minute
BACT	Best Available Control Technology	BTU	British Thermal Unit
CAA	Clean Air Act	°C	Degrees Celsius
CAM	Compliance Assurance Monitoring	CO	Carbon Monoxide
CEM	Continuous Emission Monitoring	CO <sub>2e</sub>	Carbon Dioxide Equivalent
CFR	Code of Federal Regulations	dscf	Dry standard cubic foot
COM	Continuous Opacity Monitoring	dscm	Dry standard cubic meter
Department/ department	Michigan Department of Environmental Quality	°F	Degrees Fahrenheit
EU	Emission Unit	gr	Grains
FG	Flexible Group	HAP	Hazardous Air Pollutant
GACS	Gallons of Applied Coating Solids	Hg	Mercury
GC	General Condition	hr	Hour
GHGs	Greenhouse Gases	HP	Horsepower
HVLP	High Volume Low Pressure*	H <sub>2</sub> S	Hydrogen Sulfide
ID	Identification	kW	Kilowatt
IRSL	Initial Risk Screening Level	lb	Pound
ITSL	Initial Threshold Screening Level	m	Meter
LAER	Lowest Achievable Emission Rate	mg	Milligram
MACT	Maximum Achievable Control Technology	mm	Millimeter
MAERS	Michigan Air Emissions Reporting System	MM	Million
MAP	Malfunction Abatement Plan	MW	Megawatts
MDEQ	Michigan Department of Environmental Quality	NMOC	Non-methane Organic Compounds
MSDS	Material Safety Data Sheet	NO <sub>x</sub>	Oxides of Nitrogen
NA	Not Applicable	ng	Nanogram
NAAQS	National Ambient Air Quality Standards	PM	Particulate Matter
NESHAP	National Emission Standard for Hazardous Air Pollutants	PM <sub>10</sub>	Particulate Matter equal to or less than 10 microns in diameter
NSPS	New Source Performance Standards	PM <sub>2.5</sub>	Particulate Matter equal to or less than 2.5 microns in diameter
NSR	New Source Review	pph	Pounds per hour
PS	Performance Specification	ppm	Parts per million
PSD	Prevention of Significant Deterioration	ppmv	Parts per million by volume
PTE	Permanent Total Enclosure	ppmw	Parts per million by weight
PTI	Permit to Install	psia	Pounds per square inch absolute
RACT	Reasonable Available Control Technology	psig	Pounds per square inch gauge
ROP	Renewable Operating Permit	scf	Standard cubic feet
SC	Special Condition	sec	Seconds
SCR	Selective Catalytic Reduction	SO <sub>2</sub>	Sulfur Dioxide
SNCR	Selective Non-Catalytic Reduction	TAC	Toxic Air Contaminant
SRN	State Registration Number	Temp	Temperature
TEQ	Toxicity Equivalence Quotient	THC	Total Hydrocarbons
USEPA/EPA	United States Environmental Protection Agency	tpy	Tons per year
VE	Visible Emissions	µg	Microgram
		µm	Micrometer or Micron
		VOC	Volatile Organic Compounds
		yr	Year

\*For HVLP applicators, the pressure measured at the gun air cap shall not exceed 10 psig.

### GENERAL CONDITIONS

1. The process or process equipment covered by this permit shall not be reconstructed, relocated, or modified, unless a Permit to Install authorizing such action is issued by the Department, except to the extent such action is exempt from the Permit to Install requirements by any applicable rule. **(R 336.1201(1))**
2. If the installation, construction, reconstruction, relocation, or modification of the equipment for which this permit has been approved has not commenced within 18 months, or has been interrupted for 18 months, this permit shall become void unless otherwise authorized by the Department. Furthermore, the permittee or the designated authorized agent shall notify the Department via the Supervisor, Permit Section, Air Quality Division, Michigan Department of Environmental Quality, P.O. Box 30260, Lansing, Michigan 48909-7760, if it is decided not to pursue the installation, construction, reconstruction, relocation, or modification of the equipment allowed by this Permit to Install. **(R 336.1201(4))**
3. If this Permit to Install is issued for a process or process equipment located at a stationary source that is not subject to the Renewable Operating Permit program requirements pursuant to R 336.1210, operation of the process or process equipment is allowed by this permit if the equipment performs in accordance with the terms and conditions of this Permit to Install. **(R 336.1201(6)(b))**
4. The Department may, after notice and opportunity for a hearing, revoke this Permit to Install if evidence indicates the process or process equipment is not performing in accordance with the terms and conditions of this permit or is violating the Department's rules or the Clean Air Act. **(R 336.1201(8), Section 5510 of Act 451, PA 1994)**
5. The terms and conditions of this Permit to Install shall apply to any person or legal entity that now or hereafter owns or operates the process or process equipment at the location authorized by this Permit to Install. If the new owner or operator submits a written request to the Department pursuant to R 336.1219 and the Department approves the request, this permit will be amended to reflect the change of ownership or operational control. The request must include all of the information required by subrules (1)(a), (b), and (c) of R 336.1219 and shall be sent to the District Supervisor, Air Quality Division, Michigan Department of Environmental Quality. **(R 336.1219)**
6. Operation of this equipment shall not result in the emission of an air contaminant which causes injurious effects to human health or safety, animal life, plant life of significant economic value, or property, or which causes unreasonable interference with the comfortable enjoyment of life and property. **(R 336.1901)**
7. The permittee shall provide notice of an abnormal condition, start-up, shutdown, or malfunction that results in emissions of a hazardous or toxic air pollutant which continue for more than one hour in excess of any applicable standard or limitation, or emissions of any air contaminant continuing for more than two hours in excess of an applicable standard or limitation, as required in Rule 912, to the Department. The notice shall be provided not later than two business days after start-up, shutdown, or discovery of the abnormal condition or malfunction. Written reports, if required, must be filed with the Department within 10 days after the start-up or shutdown occurred, within 10 days after the abnormal conditions or malfunction has been corrected, or within 30 days of discovery of the abnormal condition or malfunction, whichever is first. The written reports shall include all of the information required in Rule 912(5). **(R 336.1912)**
8. Approval of this permit does not exempt the permittee from complying with any future applicable requirements which may be promulgated under Part 55 of 1994 PA 451, as amended or the Federal Clean Air Act.
9. Approval of this permit does not obviate the necessity of obtaining such permits or approvals from other units of government as required by law.
10. Operation of this equipment may be subject to other requirements of Part 55 of 1994 PA 451, as amended and the rules promulgated thereunder.

11. Except as provided in subrules (2) and (3) or unless the special conditions of the Permit to Install include an alternate opacity limit established pursuant to subrule (4) of R 336.1301, the permittee shall not cause or permit to be discharged into the outer air from a process or process equipment a visible emission of density greater than the most stringent of the following. The grading of visible emissions shall be determined in accordance with R 336.1303. **(R 336.1301)**
  - a) A six-minute average of 20 percent opacity, except for one six-minute average per hour of not more than 27 percent opacity.
  - b) A visible emission limit specified by an applicable federal new source performance standard.
  - c) A visible emission limit specified as a condition of this Permit to Install.
12. Collected air contaminants shall be removed as necessary to maintain the equipment at the required operating efficiency. The collection and disposal of air contaminants shall be performed in a manner so as to minimize the introduction of contaminants to the outer air. Transport of collected air contaminants in Priority I and II areas requires the use of material handling methods specified in R 336.1370(2). **(R 336.1370)**
13. The Department may require the permittee to conduct acceptable performance tests, at the permittee's expense, in accordance with R 336.2001 and R 336.2003, under any of the conditions listed in R 336.2001. **(R 336.2001)**

**SPECIAL CONDITIONS**

**EMISSION UNIT SUMMARY TABLE**

The descriptions provided below are for informational purposes and do not constitute enforceable conditions.

<b>Emission Unit ID</b>	<b>Emission Unit Description (Process Equipment &amp; Control Devices)</b>	<b>Flexible Group ID</b>
EU-PLANT1	Sawing and planing operations controlled by a Donaldson-Torit bag filter collector to produce finished hardwood lumber in Plant 1.	NA
EU-PLANT2	Sawing and planing operations controlled by a Donaldson-Torit bag filter collector to produce finished hardwood lumber in Plant 2.	NA
EU-QUANTUM	Sawing and planing operations controlled by a Donaldson-Torit bag filter collector to produce finished hardwood lumber in the Quantum Plant.	NA
EU-CEMENT	Sawdust storage silo for Boiler #2 controlled by a Donaldson-Torit bag filter collector.	NA
EU-COMPONENT	Sawing and planing operations controlled by a Donaldson-Torit bag filter collector to produce finished hardwood lumber in the Component Plant.	NA
EU-PLANT3	Sawing and planing operations controlled by a Donaldson-Torit bag filter collector to produce finished hardwood lumber in Plant 3.	NA
EU-GREENCYCLONE	Green lumber cutting saw controlled by a Donaldson-Torit bag filter collector.	NA
EU-BOIL1CYC	Sawdust storage silo for Boiler #1 controlled by a cyclone collector.	NA
EU-PROPANEHEAT	Miscellaneous propane space heaters, enclosed furnaces, and hot water heaters in the facility. Each unit is no bigger than 0.175 MMBtu per hour.	NA
EU-BOILER1	17.8 MMBtu per hour wood-fired boiler	FGBOILERS
EU-BOILER2	26.8 MMBtu per hour wood-fired boiler	FGBOILERS
EU-KILN1	Indirect steam-heated lumber drying kiln. Charge capacity of 50 MBF. MBF is equivalent to one thousand board feet.	FGKILNS
EU-KILN2	Indirect steam-heated lumber drying kiln. Charge capacity of 50 MBF. MBF is equivalent to one thousand board feet.	FGKILNS
EU-KILN3	Indirect steam-heated lumber drying kiln. Charge capacity of 50 MBF. MBF is equivalent to one thousand board feet.	FGKILNS
EU-KILN4	Indirect steam-heated lumber drying kiln. Charge capacity of 60 MBF. MBF is equivalent to one thousand board feet.	FGKILNS
EU-KILN5	Indirect steam-heated lumber drying kiln. Charge capacity of 60 MBF. MBF is equivalent to one thousand board feet.	FGKILNS
EU-KILN6	Indirect steam-heated lumber drying kiln. Charge capacity of 60 MBF. MBF is equivalent to one thousand board feet.	FGKILNS
EU-KILN7	Indirect steam-heated lumber drying kiln. Charge capacity of 60 MBF. MBF is equivalent to one thousand board feet.	FGKILNS
EU-KILN8	Indirect steam-heated lumber drying kiln. Charge capacity of 60 MBF. MBF is equivalent to one thousand board feet.	FGKILNS

<b>Emission Unit ID</b>	<b>Emission Unit Description (Process Equipment &amp; Control Devices)</b>	<b>Flexible Group ID</b>
EU-KILN9	Indirect steam-heated lumber drying kiln. Charge capacity of 60 MBF. MBF is equivalent to one thousand board feet.	FGKILNS
EU-KILN10	Indirect steam-heated lumber drying kiln. Charge capacity of 60 MBF. MBF is equivalent to one thousand board feet.	FGKILNS
EU-KILN11	Indirect steam-heated lumber drying kiln. Charge capacity of 60 MBF. MBF is equivalent to one thousand board feet.	FGKILNS
EU-KILN12	Indirect steam-heated lumber drying kiln. Charge capacity of 60 MBF. MBF is equivalent to one thousand board feet.	FGKILNS
EU-KILN13	Indirect steam-heated lumber drying kiln. Charge capacity of 60 MBF. MBF is equivalent to one thousand board feet.	FGKILNS
EU-KILN14	Indirect steam-heated lumber drying kiln. Charge capacity of 60 MBF. MBF is equivalent to one thousand board feet.	FGKILNS
EU-KILN15	Indirect steam-heated lumber drying kiln. Charge capacity of 40 MBF. MBF is equivalent to one thousand board feet.	FGKILNS
EU-KILN16	Indirect steam-heated lumber drying kiln. Charge capacity of 40 MBF. MBF is equivalent to one thousand board feet.	FGKILNS
EU-KILN17	Indirect steam-heated lumber drying kiln. Charge capacity of 60 MBF. MBF is equivalent to one thousand board feet.	FGKILNS
EU-KILN18	Indirect steam-heated lumber drying kiln. Charge capacity of 60 MBF. MBF is equivalent to one thousand board feet.	FGKILNS
EU-KILN19	Indirect steam-heated lumber drying kiln. Charge capacity of 60 MBF. MBF is equivalent to one thousand board feet.	FGKILNS
EU-KILN20	Indirect steam-heated lumber drying kiln. Charge capacity of 60 MBF. MBF is equivalent to one thousand board feet.	FGKILNS
EU-KILN21	Indirect steam-heated lumber drying kiln. Charge capacity of 60 MBF. MBF is equivalent to one thousand board feet.	FGKILNS
EU-KILN22	Indirect steam-heated lumber drying kiln. Charge capacity of 60 MBF. MBF is equivalent to one thousand board feet.	FGKILNS
EU-KILN23	Indirect steam-heated lumber drying kiln. Charge capacity of 60 MBF. MBF is equivalent to one thousand board feet.	FGKILNS
EU-KILN24	Indirect steam-heated lumber drying kiln. Charge capacity of 60 MBF. MBF is equivalent to one thousand board feet.	FGKILNS
EU-KILN25	Indirect steam-heated lumber drying kiln. Charge capacity of 60 MBF. MBF is equivalent to one thousand board feet.	FGKILNS
EU-KILN26	Indirect steam-heated lumber drying kiln. Charge capacity of 60 MBF. MBF is equivalent to one thousand board feet.	FGKILNS
EU-KILN27	Indirect steam-heated lumber drying kiln. Charge capacity of 60 MBF. MBF is equivalent to one thousand board feet.	FGKILNS
EU-KILN28	Indirect steam-heated lumber drying kiln. Charge capacity of 60 MBF. MBF is equivalent to one thousand board feet.	FGKILNS
EU-KILN29	Indirect steam-heated lumber drying kiln. Charge capacity of 27 MBF. MBF is equivalent to one thousand board feet.	FGKILNS
EU-KILN30	Indirect steam-heated lumber drying kiln. Charge capacity of 27 MBF. MBF is equivalent to one thousand board feet.	FGKILNS

Emission Unit ID	Emission Unit Description (Process Equipment & Control Devices)	Flexible Group ID
EU-KILN31	Indirect steam-heated lumber drying kiln. Charge capacity of 27 MBF. MBF is equivalent to one thousand board feet.	FGKILNS
EU-KILN32	Indirect steam-heated lumber drying kiln. Charge capacity of 27 MBF. MBF is equivalent to one thousand board feet.	FGKILNS
EU-KILN33	Indirect steam-heated lumber drying kiln. Charge capacity of 27 MBF. MBF is equivalent to one thousand board feet.	FGKILNS
EU-KILN34	Indirect steam-heated lumber drying kiln. Charge capacity of 27 MBF. MBF is equivalent to one thousand board feet.	FGKILNS
EU-KILN35	Indirect steam-heated lumber drying kiln. Charge capacity of 27 MBF. MBF is equivalent to one thousand board feet.	FGKILNS
EU-COAT1	Coating area/building to spray apply wax coating to the end of boards to prevent splitting.	FGCOAT
EU-COAT2	Coating area to spray apply identifying board paint.	FGCOAT
EU-COAT3	Coating area to spray apply identifying board paint.	FGCOAT
EU-COAT4	Coating area to spray apply identifying board paint.	FGCOAT
EU-COAT5	Coating area to spray apply identifying board paint.	FGCOAT
Changes to the equipment described in this table are subject to the requirements of R 336.1201, except as allowed by R 336.1278 to R 336.1291.		

**The following conditions apply to: EU-PLANT1**

**DESCRIPTION:** Sawing and planing operations controlled by a Donaldson-Torit bag filter collector to produce finished hardwood lumber in Plant 1.

**Flexible Group ID:** NA

**POLLUTION CONTROL EQUIPMENT:** Bag filter collector

**I. EMISSION LIMITS**

Pollutant	Limit	Time Period / Operating Scenario	Equipment	Testing / Monitoring Method	Underlying Applicable Requirements
PM	0.01 lbs per 1000 lbs of exhaust gases	Test protocol shall specify averaging time.	Bag filter portion in EU-PLANT1	GC 13	R 336.1331(1)(c)
PM10	1.36 pph	Test protocol shall specify averaging time.	Bag filter portion in EU-PLANT1	GC 13	R 336.1205, 40 CFR 52.21(c) & (d)

**II. MATERIAL LIMITS**

NA

### **III. PROCESS/OPERATIONAL RESTRICTIONS**

NA

### **IV. DESIGN/EQUIPMENT PARAMETERS**

1. The permittee shall not operate EU-PLANT1 unless the bag filter is installed, maintained, and operated in a satisfactory manner. **(R 336.1205, R 336.1301, R 336.1331, R 336.1901, R 336.1910, 40 CFR 52.21(c) & (d))**
2. The permittee shall install, calibrate, maintain and operate, in a satisfactory manner, a device to monitor the pressure drop from the bag filter portion of EU-PLANT1 on a continuous basis. **(R 336.1301, R 336.1331, R 336.1910)**

### **V. TESTING/SAMPLING**

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

NA

### **VI. MONITORING/RECORDKEEPING**

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

1. The permittee shall complete all required records and calculations in a format acceptable to the AQD District Supervisor by the 15th day of the calendar month, for the previous calendar month, unless otherwise specified in any monitoring/recordkeeping special condition. **(R 336.1301, R 336.1331, R 336.1910)**
2. The permittee shall record at least once per calendar day (when operating) and keep, in a satisfactory manner, records of pressure drop from the bag filter portion of EU-PLANT1. All records shall be kept on file and made available to the Department upon request. **(R 336.1301, R 336.1331, R 336.1910)**

### **VII. REPORTING**

NA

### **VIII. STACK/VENT RESTRICTIONS**

The exhaust gases from the stacks listed in the table below shall be discharged unobstructed vertically upwards to the ambient air unless otherwise noted:

<b>Stack &amp; Vent ID</b>	<b>Maximum Exhaust Diameter/ Dimensions (inches)</b>	<b>Minimum Height Above Ground (feet)</b>	<b>Underlying Applicable Requirements</b>
SV-PLANT1	32 x 48	43	R 336.1225, R 336.1901, 40 CFR 52.21(c) & (d)

### **IX. OTHER REQUIREMENTS**

NA

**The following conditions apply to: EU-PLANT2**

**DESCRIPTION:** Sawing and planing operations controlled by a Donaldson-Torit bag filter collector to produce finished hardwood lumber in Plant 2.

**Flexible Group ID:** NA

**POLLUTION CONTROL EQUIPMENT:** Bag filter collector

**I. EMISSION LIMITS**

<b>Pollutant</b>	<b>Limit</b>	<b>Time Period / Operating Scenario</b>	<b>Equipment</b>	<b>Testing / Monitoring Method</b>	<b>Underlying Applicable Requirements</b>
1. PM	0.01 lbs per 1000 lbs of exhaust gases	Test protocol shall specify averaging time.	Bag filter portion in EU-PLANT2	GC 13	R 336.1331(1)(c)
2. PM10	0.7 pph	Test protocol shall specify averaging time.	Bag filter portion in EU-PLANT2	GC 13	R 336.1205, 40 CFR 52.21(c) & (d)

**II. MATERIAL LIMITS**

NA

**III. PROCESS/OPERATIONAL RESTRICTIONS**

NA

**IV. DESIGN/EQUIPMENT PARAMETERS**

1. The permittee shall not operate EU-PLANT2 unless the bag filter is installed, maintained, and operated in a satisfactory manner. **(R 336.1205, R 336.1301, R 336.1331, R 336.1901, R 336.1910, 40 CFR 52.21(c) & (d))**
2. The permittee shall install, calibrate, maintain and operate, in a satisfactory manner, a device to monitor the pressure drop from the bag filter portion of EU-PLANT2 on a continuous basis. **(R 336.1301, R 336.1331, R 336.1910)**

**V. TESTING/SAMPLING**

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

NA

**VI. MONITORING/RECORDKEEPING**

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

1. The permittee shall complete all required records and calculations in a format acceptable to the AQD District Supervisor by the 15th day of the calendar month, for the previous calendar month, unless otherwise specified in any monitoring/recordkeeping special condition. **(R 336.1301, R 336.1331, R 336.1910)**

2. The permittee shall record at least once per calendar day (when operating) and keep, in a satisfactory manner, records of pressure drop from the bag filter portion of EU-PLANT2. All records shall be kept on file and made available to the Department upon request. **(R 336.1301, R 336.1331, R 336.1910)**

**VII. REPORTING**

NA

**VIII. STACK/VENT RESTRICTIONS**

1. The exhaust gases from the bag filter portion of EU-PLANT2 shall not be discharged to the ambient air at any time. **(R 336.1205, R 336.1901, 40 CFR 52.21(c) & (d))**

**IX. OTHER REQUIREMENTS**

NA

**The following conditions apply to: EU-QUANTUM**

**DESCRIPTION:** Sawing and planing operations controlled by a Donaldson-Torit bag filter collector to produce finished hardwood lumber in Quantum Plant.

**Flexible Group ID:** NA

**POLLUTION CONTROL EQUIPMENT:** Bag filter collector

**I. EMISSION LIMITS**

<b>Pollutant</b>	<b>Limit</b>	<b>Time Period / Operating Scenario</b>	<b>Equipment</b>	<b>Testing / Monitoring Method</b>	<b>Underlying Applicable Requirements</b>
1. PM	0.01 lbs per 1000 lbs of exhaust gases	Test protocol shall specify averaging time.	Bag filter portion in EU-QUANTUM	GC 13	R 336.1331(1)(c)
2. PM10	1.3 pph	Test protocol shall specify averaging time.	Bag filter portion in EU-QUANTUM	GC 13	R 336.1205, 40 CFR 52.21(c) & (d)

**II. MATERIAL LIMITS**

NA

**III. PROCESS/OPERATIONAL RESTRICTIONS**

NA

**IV. DESIGN/EQUIPMENT PARAMETERS**

1. The permittee shall not operate EU-QUANTUM unless the bag filter is installed, maintained, and operated in a satisfactory manner. **(R 336.1205, R 336.1301, R 336.1331, R 336.1901, R 336.1910, 40 CFR 52.21(c) & (d))**
2. The permittee shall install, calibrate, maintain and operate, in a satisfactory manner, a device to monitor the pressure drop from the bag filter portion of EU-QUANTUM on a continuous basis. **(R 336.1301, R 336.1331, R 336.1910)**

**V. TESTING/SAMPLING**

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

NA

**VI. MONITORING/RECORDKEEPING**

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

1. The permittee shall complete all required records and calculations in a format acceptable to the AQD District Supervisor by the 15th day of the calendar month, for the previous calendar month, unless otherwise specified in any monitoring/recordkeeping special condition. **(R 336.1301, R 336.1331, R 336.1910)**

2. The permittee shall record at least once per calendar day (when operating) and keep, in a satisfactory manner, records of pressure drop from the bag filter portion of EU-QUANTUM. All records shall be kept on file and made available to the Department upon request. **(R 336.1301, R 336.1331, R 336.1910)**

**VII. REPORTING**

NA

**VIII. STACK/VENT RESTRICTIONS**

1. The exhaust gases from the bag filter portion of EU-QUANTUM shall not be discharged to the ambient air at any time. **(R 336.1205, R 336.1901, 40 CFR 52.21(c) & (d))**

**IX. OTHER REQUIREMENTS**

NA

**The following conditions apply to: EU-CEMENT**

**DESCRIPTION:** Sawdust storage silo for Boiler #2 controlled by a Donaldson-Torit bag filter collector.

**Flexible Group ID:** NA

**POLLUTION CONTROL EQUIPMENT:** Bag filter collector

**I. EMISSION LIMITS**

<b>Pollutant</b>	<b>Limit</b>	<b>Time Period / Operating Scenario</b>	<b>Equipment</b>	<b>Testing / Monitoring Method</b>	<b>Underlying Applicable Requirements</b>
1. PM	0.01 lbs per 1000 lbs of exhaust gases	Test protocol shall specify averaging time.	Bag filter portion in EU-CEMENT	GC 13	R 336.1331(1)(c)
2. PM10	1.4 pph	Test protocol shall specify averaging time.	Bag filter portion in EU-CEMENT	GC 13	R 336.1205, 40 CFR 52.21(c) & (d)

**II. MATERIAL LIMITS**

NA

**III. PROCESS/OPERATIONAL RESTRICTIONS**

NA

**IV. DESIGN/EQUIPMENT PARAMETERS**

1. The permittee shall not operate EU-CEMENT unless the bag filter is installed, maintained, and operated in a satisfactory manner. **(R 336.1205, R 336.1301, R 336.1331, R 336.1901, R 336.1910, 40 CFR 52.21(c) & (d))**

**V. TESTING/SAMPLING**

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

NA

**VI. MONITORING/RECORDKEEPING**

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

1. The permittee shall complete all required records and calculations in a format acceptable to the AQD District Supervisor by the 15th day of the calendar month, for the previous calendar month, unless otherwise specified in any monitoring/recordkeeping special condition. **(R 336.1301, R 336.1331, R 336.1910)**

2. The permittee shall monitor the bag filter to verify it is operating properly, by taking visible emission readings for EU-CEMENT a minimum of once per calendar day. Either a certified or non-certified reader shall take each visible emission reading during routine operating conditions. If abnormal visible emissions (other than uncombined water vapor) are observed, the permittee shall immediately inspect the bag filter and perform any required maintenance. **(R 336.1301, R 336.1331, R 336.1910)**
3. The permittee shall record at least once per calendar day (when operating) and keep, in a satisfactory manner, records of visible emission checks from the bag filter portion of EU-CEMENT. All records shall be kept on file and made available to the Department upon request. **(R 336.1301, R 336.1331, R 336.1910)**

**VII. REPORTING**

NA

**VIII. STACK/VENT RESTRICTIONS**

The exhaust gases from the stacks listed in the table below shall be discharged to the ambient air unless otherwise noted:

<b>Stack &amp; Vent ID</b>	<b>Maximum Exhaust Diameter/Dimensions (inches)</b>	<b>Minimum Height Above Ground (feet)</b>	<b>Underlying Applicable Requirements</b>
1. SV-CEMENT	42 x 67.5	108	R 336.1225, R 336.1901, 40 CFR 52.21(c) & (d)

**IX. OTHER REQUIREMENTS**

NA

**The following conditions apply to: EU-COMPONENT**

**DESCRIPTION:** Sawing and planing operations controlled by a Donaldson-Torit bag filter collector to produce finished hardwood lumber in the Component Plant.

**Flexible Group ID:** NA

**POLLUTION CONTROL EQUIPMENT:** Bag filter collector

**I. EMISSION LIMITS**

<b>Pollutant</b>	<b>Limit</b>	<b>Time Period / Operating Scenario</b>	<b>Equipment</b>	<b>Testing / Monitoring Method</b>	<b>Underlying Applicable Requirements</b>
1. PM	0.01 lbs per 1000 lbs of exhaust gases	Test protocol shall specify averaging time.	Bag filter portion in EU-COMPONENT	GC 13	R 336.1331(1)(c)
2. PM10	1.8 pph	Test protocol shall specify averaging time.	Bag filter portion in EU-COMPONENT	GC 13	R 336.1205, 40 CFR 52.21(c) & (d)

**II. MATERIAL LIMITS**

NA

**III. PROCESS/OPERATIONAL RESTRICTIONS**

NA

**IV. DESIGN/EQUIPMENT PARAMETERS**

1. The permittee shall not operate EU-COMPONENT unless the bag filter is installed, maintained, and operated in a satisfactory manner. **(R 336.1205, R 336.1301, R 336.1331, R 336.1901, R 336.1910, 40 CFR 52.21(c) & (d))**
2. The permittee shall install, calibrate, maintain and operate, in a satisfactory manner, a device to monitor the pressure drop from the bag filter portion of EU-COMPONENT on a continuous basis. **(R 336.1301, R 336.1331, R 336.1910)**

**V. TESTING/SAMPLING**

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

NA

**VI. MONITORING/RECORDKEEPING**

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

1. The permittee shall complete all required records and calculations in a format acceptable to the AQD District Supervisor by the 15th day of the calendar month, for the previous calendar month, unless otherwise specified in any monitoring/recordkeeping special condition. **(R 336.1301, R 336.1331, R 336.1910)**

2. The permittee shall record at least once per calendar day (when operating) and keep, in a satisfactory manner, records of pressure drop from the bag filter portion of EU-COMPONENT. All records shall be kept on file and made available to the Department upon request. **(R 336.1301, R 336.1331, R 336.1910)**

**VII. REPORTING**

NA

**VIII. STACK/VENT RESTRICTIONS**

1. The exhaust gases from the bag filter portion of EU-COMPONENT shall not be discharged to the ambient air at any time. **(R 336.1205, R 336.1901, 40 CFR 52.21(c) & (d))**

**IX. OTHER REQUIREMENTS**

NA

**The following conditions apply to: EU-PLANT3**

**DESCRIPTION:** Sawing and planing operations controlled by a Donaldson-Torit bag filter collector to produce finished hardwood lumber in the Plant 3.

**Flexible Group ID:** NA

**POLLUTION CONTROL EQUIPMENT:** Bag filter collector

**I. EMISSION LIMITS**

<b>Pollutant</b>	<b>Limit</b>	<b>Time Period / Operating Scenario</b>	<b>Equipment</b>	<b>Testing / Monitoring Method</b>	<b>Underlying Applicable Requirements</b>
1. PM	0.01 lbs per 1000 lbs of exhaust gases	Test protocol shall specify averaging time.	Bag filter portion in EU-PLANT3	GC 13	R 336.1331(1)(c)
2. PM10	0.9 pph	Test protocol shall specify averaging time.	Bag filter portion in EU-PLANT3	GC 13	R 336.1205, 40 CFR 52.21(c) & (d)

**II. MATERIAL LIMITS**

NA

**III. PROCESS/OPERATIONAL RESTRICTIONS**

NA

**IV. DESIGN/EQUIPMENT PARAMETERS**

1. The permittee shall not operate EU-PLANT3 unless the bag filter is installed, maintained, and operated in a satisfactory manner. **(R 336.1205, R 336.1301, R 336.1331, R 336.1901, R 336.1910, 40 CFR 52.21(c) & (d))**
2. The permittee shall install, calibrate, maintain and operate, in a satisfactory manner, a device to monitor the pressure drop from the bag filter portion of EU-PLANT3 on a continuous basis. **(R 336.1301, R 336.1331, R 336.1910)**

**V. TESTING/SAMPLING**

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

NA

**VI. MONITORING/RECORDKEEPING**

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

1. The permittee shall complete all required records and calculations in a format acceptable to the AQD District Supervisor by the 15th day of the calendar month, for the previous calendar month, unless otherwise specified in any monitoring/recordkeeping special condition. **(R 336.1301, R 336.1331, R 336.1910)**

2. The permittee shall record at least once per calendar day (when operating) and keep, in a satisfactory manner, records of pressure drop from the bag filter portion of EU-PLANT3. All records shall be kept on file and made available to the Department upon request. **(R 336.1301, R 336.1331, R 336.1910)**

**VII. REPORTING**

NA

**VIII. STACK/VENT RESTRICTIONS**

1. The exhaust gases from the bag filter portion of EU-PLANT3 shall not be discharged to the ambient air at any time. **(R 336.1205, R 336.1901, 40 CFR 52.21(c) & (d))**

**IX. OTHER REQUIREMENTS**

NA

**The following conditions apply to: EU-GREENCYCLONE**

**DESCRIPTION:** Green lumber cutting saw controlled by a Donaldson-Torit bag filter collector.

**Flexible Group ID:** NA

**POLLUTION CONTROL EQUIPMENT:** Bag filter collector

**I. EMISSION LIMITS**

<b>Pollutant</b>	<b>Limit</b>	<b>Time Period / Operating Scenario</b>	<b>Equipment</b>	<b>Testing / Monitoring Method</b>	<b>Underlying Applicable Requirements</b>
1. PM	0.01 lbs per 1000 lbs of exhaust gases	Test protocol shall specify averaging time.	Bag filter portion in EU-GREENCYCLONE	GC 13	R 336.1331(1)(c)
2. PM10	0.16 pph	Test protocol shall specify averaging time.	Bag filter portion in EU- GREENCYCLONE	GC 13	R 336.1205, 40 CFR 52.21(c) & (d)

**II. MATERIAL LIMITS**

NA

**III. PROCESS/OPERATIONAL RESTRICTIONS**

NA

**IV. DESIGN/EQUIPMENT PARAMETERS**

1. The permittee shall not operate EU-GREENCYCLONE unless the bag filter is installed, maintained, and operated in a satisfactory manner. **(R 336.1205, R 336.1301, R 336.1331, R 336.1901, R 336.1910, 40 CFR 52.21(c) & (d))**

**V. TESTING/SAMPLING**

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

NA

**VI. MONITORING/RECORDKEEPING**

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

1. The permittee shall complete all required records and calculations in a format acceptable to the AQD District Supervisor by the 15th day of the calendar month, for the previous calendar month, unless otherwise specified in any monitoring/recordkeeping special condition. **(R 336.1301, R 336.1331, R 336.1910)**

2. The permittee shall monitor the bag filter to verify it is operating properly, by taking visible emission readings for EU-GREENCYCLONE a minimum of once per calendar day. Either a certified or non-certified reader shall take each visible emission reading during routine operating conditions. If abnormal visible emissions (other than uncombined water vapor) are observed, the permittee shall immediately inspect the bag filter and perform any required maintenance. **(R 336.1301, R 336.1331, R 336.1910)**
3. The permittee shall record at least once per calendar day (when operating) and keep, in a satisfactory manner, records of visible emission checks from the bag filter portion of EU-GREENCYCLONE. All records shall be kept on file and made available to the Department upon request. **(R 336.1301, R 336.1331, R 336.1910)**
4. The permittee shall keep, in a satisfactory manner, a log of replacement of the bag filters for EU-GREENCYCLONE. All records shall be kept on file and made available to the Department upon request. **(R 336.1901, R 336.1910)**

**VII. REPORTING**

NA

**VIII. STACK/VENT RESTRICTIONS**

The exhaust gases from the stacks listed in the table below shall be discharged unobstructed vertically upwards to the ambient air unless otherwise noted:

<b>Stack &amp; Vent ID</b>	<b>Maximum Exhaust Diameter/Dimensions (inches)</b>	<b>Minimum Height Above Ground (feet)</b>	<b>Underlying Applicable Requirements</b>
1. SV-GREENCYCLONE	32	35	R 336.1225, R 336.1901, 40 CFR 52.21(c) & (d)

**IX. OTHER REQUIREMENTS**

NA

**The following conditions apply to: EU-BOIL1CYC**

**DESCRIPTION:** Sawdust storage silo for Boiler #1 controlled by a cyclone collector.

**Flexible Group ID:** NA

**POLLUTION CONTROL EQUIPMENT:** Cyclone collector

**I. EMISSION LIMITS**

<b>Pollutant</b>	<b>Limit</b>	<b>Time Period / Operating Scenario</b>	<b>Equipment</b>	<b>Testing / Monitoring Method</b>	<b>Underlying Applicable Requirements</b>
1. PM	0.1 lbs per 1000 lbs of exhaust gases	Test protocol shall specify averaging time.	Cyclone portion in EU-BOIL1CYC	GC 13	R 336.1331(1)(c)
2. PM10	2.3 pph	Test protocol shall specify averaging time.	Cyclone portion in EU-BOIL1CYC	GC 13	R 336.1205, 40 CFR 52.21(c) & (d)

**II. MATERIAL LIMITS**

NA

**III. PROCESS/OPERATIONAL RESTRICTIONS**

NA

**IV. DESIGN/EQUIPMENT PARAMETERS**

1. The permittee shall not operate EU-BOIL1CYC unless the cyclone collector is installed, maintained, and operated in a satisfactory manner. **(R 336.1205, R 336.1301, R 336.1331, R 336.1901, R 336.1910, 40 CFR 52.21(c) & (d))**

**V. TESTING/SAMPLING**

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

NA

**VI. MONITORING/RECORDKEEPING**

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

1. The permittee shall complete all required records and calculations in a format acceptable to the AQD District Supervisor by the 15th day of the calendar month, for the previous calendar month, unless otherwise specified in any monitoring/recordkeeping special condition. **(R 336.1301, R 336.1331, R 336.1910)**
2. The permittee shall monitor the cyclone to verify it is operating properly, by taking visible emission readings for EU-BOIL1CYC a minimum of once per calendar day. Either a certified or non-certified reader shall take each visible emission reading during routine operating conditions. If abnormal visible emissions (other than uncombined water vapor) are observed, the permittee shall immediately inspect the cyclone and perform any required maintenance. **(R 336.1301, R 336.1331, R 336.1910)**

3. The permittee shall record at least once per calendar day (when operating) and keep, in a satisfactory manner, records of visible emission checks from the cyclone portion of EU-BOIL1CYC. All records shall be kept on file and made available to the Department upon request. **(R 336.1301, R 336.1331, R 336.1910)**

**VII. REPORTING**

NA

**VIII. STACK/VENT RESTRICTIONS**

1. The exhaust gases from the cyclone portion of EU-BOIL1CYC shall not be discharged to the ambient air at any time. **(R 336.1205, R 336.1901, 40 CFR 52.21(c) & (d))**

**IX. OTHER REQUIREMENTS**

NA

**The following conditions apply to: EU-PROPANEHEAT**

**DESCRIPTION:** Miscellaneous propane space heaters, enclosed furnaces, and hot water heaters in the facility. Each unit is no bigger than 0.175 MMBtu per hour.

**Flexible Group ID:** NA

**POLLUTION CONTROL EQUIPMENT:** NA

**I. EMISSION LIMITS**

<b>Pollutant</b>	<b>Limit</b>	<b>Time Period / Operating Scenario</b>	<b>Equipment</b>	<b>Testing / Monitoring Method</b>	<b>Underlying Applicable Requirements</b>
NA					

**II. MATERIAL LIMITS**

1. The permittee shall only burn propane in EU-PROPANEHEAT. (R 336.1205(1)(a) and (3))

**III. PROCESS/OPERATIONAL RESTRICTIONS**

NA

**IV. DESIGN/EQUIPMENT PARAMETERS**

NA

**V. TESTING/SAMPLING**

Records shall be maintained on file for a period of five years. (R 336.1201(3))

NA

**VI. MONITORING/RECORDKEEPING**

Records shall be maintained on file for a period of five years. (R 336.1201(3))

NA

**VII. REPORTING**

NA

**VIII. STACK/VENT RESTRICTIONS**

NA

**IX. OTHER REQUIREMENTS**

NA

**The following conditions apply to: EU-BOILER1**

**DESCRIPTION:** A 17.8 MMBtu per hour wood-fired boiler.

**Flexible Group ID:** FGBOILERS

**POLLUTION CONTROL EQUIPMENT:** Multicyclone collector

**I. EMISSION LIMITS**

<b>Pollutant</b>	<b>Limit</b>	<b>Time Period / Operating Scenario</b>	<b>Equipment</b>	<b>Testing / Monitoring Method</b>	<b>Underlying Applicable Requirements</b>
1. PM	0.30 lb/MMBtu	Test protocol shall specify averaging time.	EU-BOILER1	GC 13	R 336.1331(1)(c)
2. PM	5.34 pph	Test protocol shall specify averaging time.	EU-BOILER1	GC 13	R 336.1331(1)(c)

**II. MATERIAL LIMITS**

NA

**III. PROCESS/OPERATIONAL RESTRICTIONS**

NA

**IV. DESIGN/EQUIPMENT PARAMETERS**

1. The permittee shall not operate EU-BOILER1 unless the multicyclone is installed, maintained, and operated in a satisfactory manner. **(R 336.1205(1)(a) and (3), R 336.1301, R 336.1331, R 336.1910)**

**V. TESTING/SAMPLING**

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

NA

**VI. MONITORING/RECORDKEEPING**

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

NA

**VII. REPORTING**

NA

**VIII. STACK/VENT RESTRICTIONS**

The exhaust gases from the stacks listed in the table below shall be discharged unobstructed vertically upwards to the ambient air unless otherwise noted:

<b>Stack &amp; Vent ID</b>	<b>Maximum Exhaust Diameter/Dimensions (inches)</b>	<b>Minimum Height Above Ground (feet)</b>	<b>Underlying Applicable Requirements</b>
1. SV-BOILER1	27.9	45	R 336.1901, 40 CFR 52.21(c) & (d)

**IX. OTHER REQUIREMENTS**

NA

**The following conditions apply to: EU-BOILER2**

**DESCRIPTION:** A 26.8 MMBtu per hour wood-fired boiler.

**Flexible Group ID:** FGBOILERS

**POLLUTION CONTROL EQUIPMENT:** Multicyclone collector

**I. EMISSION LIMITS**

<b>Pollutant</b>	<b>Limit</b>	<b>Time Period / Operating Scenario</b>	<b>Equipment</b>	<b>Testing / Monitoring Method</b>	<b>Underlying Applicable Requirements</b>
1. PM	0.10 lb/MMBtu	Test protocol shall specify averaging time.	EU-BOILER2	GC 13	R 336.1331(1)(c)
2. PM	2.69 pph	Test protocol shall specify averaging time.	EU-BOILER2	GC 13	R 336.1331(1)(c)
3. PM10	0.10 lb/MMBtu	Test protocol shall specify averaging time.	EU-BOILER2	GC 13	40 CFR 52.21(c) & (d)
4. PM10	2.69 pph	Test protocol shall specify averaging time.	EU-BOILER2	GC 13	40 CFR 52.21(c) & (d)

**II. MATERIAL LIMITS**

NA

**III. PROCESS/OPERATIONAL RESTRICTIONS**

NA

**IV. DESIGN/EQUIPMENT PARAMETERS**

1. The permittee shall not operate EU-BOILER2 unless the multicyclone is installed, maintained, and operated in a satisfactory manner. **(R 336.1205(1)(a) and (3), R 336.1301, R 336.1331, R 336.1910, 40 CFR 52.21(c) & (d))**

**V. TESTING/SAMPLING**

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

NA

**VI. MONITORING/RECORDKEEPING**

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

NA

**VII. REPORTING**

NA

**VIII. STACK/VENT RESTRICTIONS**

The exhaust gases from the stacks listed in the table below shall be discharged unobstructed vertically upwards to the ambient air unless otherwise noted:

<b>Stack &amp; Vent ID</b>	<b>Maximum Exhaust Diameter/Dimensions (inches)</b>	<b>Minimum Height Above Ground (feet)</b>	<b>Underlying Applicable Requirements</b>
1. SV-BOILER2	28	45	R 336.1901, 40 CFR 52.21(c) & (d)

**IX. OTHER REQUIREMENTS**

NA

**FLEXIBLE GROUP SUMMARY TABLE**

The descriptions provided below are for informational purposes and do not constitute enforceable conditions.

<b>Flexible Group ID</b>	<b>Flexible Group Description</b>	<b>Associated Emission Unit IDs</b>
FGBOILERS	Two wood-fired boilers	EU-BOILER1, EU-BOILER2
FGKILNS	Thirty-five hardwood lumber drying kilns.	EU-KILN1, EU-KILN2, EU-KILN3, EU-KILN4, EU-KILN5, EU-KILN6, EU-KILN7, EU-KILN8, EU-KILN9, EU-KILN10, EU-KILN11, EU-KILN12, EU-KILN13, EU-KILN14, EU-KILN15, EU-KILN16, EU-KILN17, EU-KILN18, EU-KILN19, EU-KILN20, EU-KILN21, EU-KILN22, EU-KILN23, EU-KILN24, EU-KILN25, EU-KILN26, EU-KILN27, EU-KILN28, EU-KILN29, EU-KILN30, EU-KILN31, EU-KILN32, EU-KILN33, EU-KILN34, EU-KILN35
FGCOAT	Five coating areas to spray apply wax coating and identifying board paint.	EU-COAT1, EU-COAT2, EU-COAT3, EU-COAT4, EU-COAT5

**The following conditions apply to: FGBOILERS**

**DESCRIPTION:** Two wood-fired boilers

**Emission Units:** EU-BOILER1, EU-BOILER2

**POLLUTION CONTROL EQUIPMENT:** Multicyclone collectors

**I. EMISSION LIMITS**

<b>Pollutant</b>	<b>Limit</b>	<b>Time Period / Operating Scenario</b>	<b>Equipment</b>	<b>Testing / Monitoring Method</b>	<b>Underlying Applicable Requirements</b>
1. CO	79.5 tpy*	12-month rolling time period as determined at the end of each calendar month	FGBOILERS	SC VI.2	R 336.1205(1)(a) and (3)

\* This limit is based on an emission factor of 0.60 lb CO per MMBtu.

**II. MATERIAL LIMITS**

1. The permittee shall only burn wood in FGBOILERS. **(R 336.1205(1)(a) and (3), 40 CFR 52.21(c) and (d))**
2. The permittee shall not burn more than 15,786 tons of dry wood fuel through FGBOILERS per 12-month rolling time period. **(R 336.1205(1)(a) and (3), 40 CFR 52.21(c) and (d))**

### **III. PROCESS/OPERATIONAL RESTRICTIONS**

1. The permittee shall comply with all provisions of the federal Standards of Performance for New Stationary Sources as specified in 40 CFR Part 60 Subparts A and Dc, as they apply to FGBOILERS. **(40 CFR Part 60, Subparts A and Dc)**

### **IV. DESIGN/EQUIPMENT PARAMETERS**

1. The permittee shall install, calibrate, maintain, and operate in a satisfactory manner a device to monitor and record the wood fuel usage for FGBOILERS on a daily basis. **(R 336.1205(1)(a) and (3), 40 CFR Part 60 Subparts A and Dc)**

### **V. TESTING/SAMPLING**

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

NA

### **VI. MONITORING/RECORDKEEPING**

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

1. The permittee shall complete all required calculations in a format acceptable to the AQD District Supervisor and make them available by the 15th day of the calendar month, for the previous calendar month, unless otherwise specified in any recordkeeping, reporting or notification special condition. **(R 336.1205(1)(a) and (3))**
2. The permittee shall keep, in a satisfactory manner, monthly and previous 12-month rolling time period records of CO emissions for FGBOILERS. All records shall be kept on file and made available to the Department upon request. **(R 336.1205(1)(a) and (3))**
3. The permittee shall keep daily, monthly and previous 12-month rolling wood fuel usage records, in a format acceptable to the AQD District Supervisor, indicating the amount of wood fuel used, in pounds, on an average daily basis. The records must indicate the total amount of wood fuel used in FGBOILERS. All records shall be kept on file and made available to the Department upon request. **(R 336.1205(1)(a) and (3), R 336.1331, 40 CFR 52.21 (c) and (d), 40 CFR Part 60 Subparts A and Dc)**

### **VII. REPORTING**

NA

### **VIII. STACK/VENT RESTRICTIONS**

NA

### **IX. OTHER REQUIREMENTS**

1. The permittee shall comply with all provisions of the National Emission Standards for Hazardous Air Pollutants as specified in 40 CFR Part 63, Subparts A and Subpart JJJJJJ, as they apply to EU-BOILER1 and EU-BOILER2. **(40 CFR Part 63, Subparts A & Subpart JJJJJJ)**

**The following conditions apply to: FGKILNS**

**DESCRIPTION:** Thirty-five hardwood lumber drying kilns.

**Emission Units:** EU-KILN1, EU-KILN2, EU-KILN3, EU-KILN4, EU-KILN5, EU-KILN6, EU-KILN7, EU-KILN8, EU-KILN9, EU-KILN10, EU-KILN11, EU-KILN12, EU-KILN13, EU-KILN14, EU-KILN15, EU-KILN16, EU-KILN17, EU-KILN18, EU-KILN19, EU-KILN20, EU-KILN21, EU-KILN22, EU-KILN23, EU-KILN24, EU-KILN25, EU-KILN26, EU-KILN27, EU-KILN28, EU-KILN29, EU-KILN30, EU-KILN31, EU-KILN32, EU-KILN33, EU-KILN34, EU-KILN35

**POLLUTION CONTROL EQUIPMENT:** NA

**I. EMISSION LIMITS**

<b>Pollutant</b>	<b>Limit</b>	<b>Time Period / Operating Scenario</b>	<b>Equipment</b>	<b>Testing / Monitoring Method</b>	<b>Underlying Applicable Requirements</b>
1. VOC (as carbon)	82.8 tpy*	12-month rolling time period as determined at the end of each calendar month	FGKILNS	SC VI.2	R 336.1205(1)(a) and (3), R 336.1702(a)
* VOC calculations are based on the amount of wood dried (in MBF) multiplied by its corresponding VOC emission factor in pounds carbon per thousand board feet (lbs C/MBF).					

**II. MATERIAL LIMITS**

1. The VOC content of all wood processed in FGKILNS shall not exceed 4.3 lbs C/MBF. **(R 336.1702(a))**
2. The permittee shall only process hardwood in FGKILNS. (Hardwood is defined as the wood of a broad-leaved tree, either deciduous or evergreen.) **(R 336.1225, R 336.1702(a))**
3. The permittee shall not dry more than 38,530 MBF of wood in FGKILNS per 12-month rolling time period as determined at the end of each calendar month. **(R 336.1205(1)(a) and (3), R 336.1225, R 336.1702(a))**

**III. PROCESS/OPERATIONAL RESTRICTIONS**

NA

**IV. DESIGN/EQUIPMENT PARAMETERS**

NA

**V. TESTING/SAMPLING**

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

NA

**VI. MONITORING/RECORDKEEPING**

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

1. The permittee shall complete all required calculations in a format acceptable to the AQD District Supervisor and make them available by the 15th day of the calendar month, for the previous calendar month, unless otherwise specified in any recordkeeping, reporting or notification special condition. **(R 336.1205(1)(a) and (3), R 336.1225, R 336.1702(a))**
2. The permittee shall keep the following information on a monthly basis for FGKILNS:
  - a. The wood species and amount in MBF dried per calendar month.
  - b. The wood species and amount in MBF dried per 12-month rolling time period as determined at the end of each calendar month.
  - c. The VOC emission factor (in lbs C/MBF) for each wood species dried.
  - d. VOC mass emission calculations determining the monthly emission rate in tons per calendar month.
  - e. VOC mass emission calculations determining the annual emission rate in tons per 12-month rolling time period as determined at the end of each calendar month.

The records shall be kept in a format acceptable to the AQD District Supervisor. All records shall be kept on file and made available to the Department upon request. **(R 336.1205(1)(a) and (3), R 336.1225, R 336.1702(a))**

**VII. REPORTING**

1. Within 30 days after completion of the installation, construction, reconstruction, relocation, or modification authorized by this Permit to Install, the permittee or the authorized agent pursuant to Rule 204, shall notify the AQD District Supervisor, in writing, of the completion of the activity. Completion of the installation, construction, reconstruction, relocation, or modification is considered to occur not later than commencement of trial operation of EU-KILN29, EU-KILN30, EU-KILN31, EU-KILN32, EU-KILN33, EU-KILN34, and EU-KILN35. **(R 336.1201(7)(a))**

**VIII. STACK/VENT RESTRICTIONS**

The exhaust gases from the stacks listed in the table below shall be discharged to the ambient air unless otherwise noted:

Stack & Vent ID	Maximum Exhaust Diameter/Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
1. SV-KILN1 (8 vents)	22 x 22	26.5	R 336.1225, R 336.1901, 40 CFR 52.21(c) & (d)
2. SV-KILN2 (8 vents)	22 x 22	26.5	R 336.1225, R 336.1901, 40 CFR 52.21(c) & (d)
3. SV-KILN3 (8 vents)	22 x 22	26.5	R 336.1225, R 336.1901, 40 CFR 52.21(c) & (d)
4. SV-KILN4 (8 vents)	22 x 22	26.5	R 336.1225, R 336.1901, 40 CFR 52.21(c) & (d)
5. SV-KILN5 (8 vents)	22 x 22	26.5	R 336.1225, R 336.1901, 40 CFR 52.21(c) & (d)
6. SV-KILN6 (8 vents)	22 x 22	26.5	R 336.1225, R 336.1901, 40 CFR 52.21(c) & (d)
7. SV-KILN7 (8 vents)	22 x 22	26.5	R 336.1225, R 336.1901, 40 CFR 52.21(c) & (d)
8. SV-KILN8 (8 vents)	22 x 22	26.5	R 336.1225, R 336.1901, 40 CFR 52.21(c) & (d)
9. SV-KILN9 (8 vents)	22 x 22	26.5	R 336.1225, R 336.1901, 40 CFR 52.21(c) & (d)

<b>Stack &amp; Vent ID</b>	<b>Maximum Exhaust Diameter/Dimensions (inches)</b>	<b>Minimum Height Above Ground (feet)</b>	<b>Underlying Applicable Requirements</b>
10. SV-KILN10 (8 vents)	22 x 22	26.5	R 336.1225, R 336.1901, 40 CFR 52.21(c) & (d)
11. SV-KILN11 (8 vents)	22 x 22	26.5	R 336.1225, R 336.1901, 40 CFR 52.21(c) & (d)
12. SV-KILN12 (8 vents)	22 x 22	26.5	R 336.1225, R 336.1901, 40 CFR 52.21(c) & (d)
13. SV-KILN13 (8 vents)	22 x 22	26.5	R 336.1225, R 336.1901, 40 CFR 52.21(c) & (d)
14. SV-KILN14 (8 vents)	22 x 22	26.5	R 336.1225, R 336.1901, 40 CFR 52.21(c) & (d)
15. SV-KILN15 (8 vents)	22 x 22	25.2	R 336.1225, R 336.1901, 40 CFR 52.21(c) & (d)
16. SV-KILN16 (8 vents)	22 x 22	25.2	R 336.1225, R 336.1901, 40 CFR 52.21(c) & (d)
17. SV-KILN17 (8 vents)	22 x 22	25.2	R 336.1225, R 336.1901, 40 CFR 52.21(c) & (d)
18. SV-KILN18 (8 vents)	22 x 22	25.2	R 336.1225, R 336.1901, 40 CFR 52.21(c) & (d)
19. SV-KILN19 (8 vents)	22 x 22	25.2	R 336.1225, R 336.1901, 40 CFR 52.21(c) & (d)
20. SV-KILN20 (8 vents)	22 x 22	25.2	R 336.1225, R 336.1901, 40 CFR 52.21(c) & (d)
21. SV-KILN21 (8 vents)	22 x 22	25.2	R 336.1225, R 336.1901, 40 CFR 52.21(c) & (d)
22. SV-KILN22 (8 vents)	22 x 22	25.2	R 336.1225, R 336.1901, 40 CFR 52.21(c) & (d)
23. SV-KILN23 (4 vents)	24 x 24	14.5	R 336.1225, 40 CFR 52.21(c) & (d)
24. SV-KILN24 (4 vents)	24 x 24	14.5	R 336.1225, 40 CFR 52.21(c) & (d)
25. SV-KILN25 (4 vents)	24 x 24	14.5	R 336.1225, 40 CFR 52.21(c) & (d)
26. SV-KILN26 (4 vents)	24 x 24	14.5	R 336.1225, 40 CFR 52.21(c) & (d)
27. SV-KILN27 (4 vents)	24 x 24	14.5	R 336.1225, 40 CFR 52.21(c) & (d)
28. SV-KILN28 (4 vents)	24 x 24	14.5	R 336.1225, 40 CFR 52.21(c) & (d)
29. SV-KILN29 (2 vents)	24	22	R 336.1225, 40 CFR 52.21(c) & (d)
30. SV-KILN30 (2 vents)	24	22	R 336.1225, 40 CFR 52.21(c) & (d)
31. SV-KILN31 (2 vents)	24	22	R 336.1225, 40 CFR 52.21(c) & (d)
32. SV-KILN32 (2 vents)	24	22	R 336.1225, 40 CFR 52.21(c) & (d)
33. SV-KILN33 (2 vents)	24	22	R 336.1225, 40 CFR 52.21(c) & (d)
34. SV-KILN34 (2 vents)	24	22	R 336.1225, 40 CFR 52.21(c) & (d)
35. SV-KILN35 (2 vents)	24	24.5	R 336.1225, 40 CFR 52.21(c) & (d)

**IX. OTHER REQUIREMENTS**

NA

**The following conditions apply to: FGCOAT**

**DESCRIPTION:** Five coating areas to spray apply wax coating and identifying board paint.

**Emission Units:** EU-COAT1, EU-COAT2, EU-COAT3, EU-COAT4, EU-COAT5

**POLLUTION CONTROL EQUIPMENT:** NA

**I. EMISSION LIMITS**

<b>Pollutant</b>	<b>Limit</b>	<b>Time Period / Operating Scenario</b>	<b>Equipment</b>	<b>Testing / Monitoring Method</b>	<b>Underlying Applicable Requirements</b>
1. VOC	6.1 tpy	12-month rolling time period as determined at the end of each calendar month	FGCOAT	SC VI.3	R 336.1702(a)

**II. MATERIAL LIMITS**

1. The permittee shall not use more than 33,100 gallons of coating per 12-month rolling time period as determined at the end of each calendar month in FGCOAT. **(R 336.1205, R 336.1702(a), R 336.1901)**
2. The VOC content of all coatings used in FGCOAT shall not exceed five (5) percent by weight. **(R 336.1702(a), R 336.1901)**

**III. PROCESS/OPERATIONAL RESTRICTIONS**

1. The permittee shall capture all waste coatings and shall store them in closed containers. The permittee shall dispose of all waste coatings in an acceptable manner in compliance with all applicable state rules and federal regulations. **(R 336.1224, R 336.1702(a))**

**IV. DESIGN/EQUIPMENT PARAMETERS**

1. The permittee shall equip and maintain FGCOAT with air assisted airless applicators or comparable technology with equivalent transfer efficiency. **(R 336.1702(a))**

**V. TESTING/SAMPLING**

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

NA

**VI. MONITORING/RECORDKEEPING**

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

1. The permittee shall complete all required calculations in a format acceptable to the AQD District Supervisor and make them available by the 15th day of the calendar month, for the previous calendar month, unless otherwise specified in any recordkeeping, reporting or notification special condition. **(R 336.1205, R 336.1224, R 336.1225, R 336.1702(a), R336.1901)**

2. The permittee shall maintain a current listing from the manufacturer of the chemical composition of each coating, including the weight percent of each component. The data may consist of Material Safety Data Sheets, manufacturer's formulation data, or both as deemed acceptable by the AQD District Supervisor. The permittee shall keep all records on file for a period of at least five years and make them available to the Department upon request. **(R 336.1224, R 336.1225, R 336.1702, R 336.1901)**
3. The permittee shall keep the following information on a monthly basis for FGCOAT:
  - a. Gallons (with water) of each coating used.
  - b. VOC content (with water) of each coating as applied.
  - c. VOC mass emission calculations determining the monthly emission rate in tons per calendar month.
  - d. VOC mass emission calculations determining the annual emission rate in tons per 12-month rolling time period as determined at the end of each calendar month.

The permittee shall keep the records in a format acceptable to the AQD District Supervisor. The permittee shall keep all records on file for a period of at least five years and make them available to the Department upon request. **(R 336.1205, R 336.1224, R 336.1225, R 336.1702(a), R 336.1901)**

## **VII. REPORTING**

NA

## **VIII. STACK/VENT RESTRICTIONS**

1. The exhaust gases from FGCOAT shall not be discharged to the ambient air at any time. **(R 336.1205, R 336.1224, R 336.1901, 40 CFR 52.21(c) & (d))**

## **IX. OTHER REQUIREMENTS**

NA