

**MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY
AIR QUALITY DIVISION**

February 22, 2023

PERMIT TO INSTALL
361-05C

ISSUED TO
Banks Hardwood Incorporated

LOCATED AT
69937 M-103
White Pigeon, Michigan 49099

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 Environment, Great Lakes, and Energy. 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: January 20, 2023	
DATE PERMIT TO INSTALL APPROVED: February 22, 2023	SIGNATURE:
DATE PERMIT VOIDED:	SIGNATURE:
DATE PERMIT REVOKED:	SIGNATURE:

PERMIT TO INSTALL

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COMMON ACRONYMS

AQD	Air Quality Division
BACT	Best Available Control Technology
CAA	Clean Air Act
CAM	Compliance Assurance Monitoring
CEMS	Continuous Emission Monitoring System
CFR	Code of Federal Regulations
COMS	Continuous Opacity Monitoring System
Department/department/EGLE	Michigan Department of Environment, Great Lakes, and Energy
EU	Emission Unit
FG	Flexible Group
GACS	Gallons of Applied Coating Solids
GC	General Condition
GHGs	Greenhouse Gases
HVLP	High Volume Low Pressure*
ID	Identification
IRSL	Initial Risk Screening Level
ITSL	Initial Threshold Screening Level
LAER	Lowest Achievable Emission Rate
MACT	Maximum Achievable Control Technology
MAERS	Michigan Air Emissions Reporting System
MAP	Malfunction Abatement Plan
MSDS	Material Safety Data Sheet
NA	Not Applicable
NAAQS	National Ambient Air Quality Standards
NESHAP	National Emission Standard for Hazardous Air Pollutants
NSPS	New Source Performance Standards
NSR	New Source Review
PS	Performance Specification
PSD	Prevention of Significant Deterioration
PTE	Permanent Total Enclosure
PTI	Permit to Install
RACT	Reasonable Available Control Technology
ROP	Renewable Operating Permit
SC	Special Condition
SCR	Selective Catalytic Reduction
SNCR	Selective Non-Catalytic Reduction
SRN	State Registration Number
TBD	To Be Determined
TEQ	Toxicity Equivalence Quotient
USEPA/EPA	United States Environmental Protection Agency
VE	Visible Emissions

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

POLLUTANT / MEASUREMENT ABBREVIATIONS

acfm	Actual cubic feet per minute
BTU	British Thermal Unit
°C	Degrees Celsius
CO	Carbon Monoxide
CO ₂ e	Carbon Dioxide Equivalent
dscf	Dry standard cubic foot
dscm	Dry standard cubic meter
°F	Degrees Fahrenheit
gr	Grains
HAP	Hazardous Air Pollutant
Hg	Mercury
hr	Hour
HP	Horsepower
H ₂ S	Hydrogen Sulfide
kW	Kilowatt
lb	Pound
m	Meter
mg	Milligram
mm	Millimeter
MM	Million
MW	Megawatts
NMOC	Non-Methane Organic Compounds
NO _x	Oxides of Nitrogen
ng	Nanogram
PM	Particulate Matter
PM10	Particulate Matter equal to or less than 10 microns in diameter
PM2.5	Particulate Matter equal to or less than 2.5 microns in diameter
pph	Pounds per hour
ppm	Parts per million
ppmv	Parts per million by volume
ppmw	Parts per million by weight
psia	Pounds per square inch absolute
psig	Pounds per square inch gauge
scf	Standard cubic feet
sec	Seconds
SO ₂	Sulfur Dioxide
TAC	Toxic Air Contaminant
Temp	Temperature
THC	Total Hydrocarbons
tpy	Tons per year
µg	Microgram
µm	Micrometer or Micron
VOC	Volatile Organic Compounds
yr	Year

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 Environment, Great Lakes, and Energy, 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 Rule 210 (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 Rule 219 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 Rule 219 and shall be sent to the District Supervisor, Air Quality Division, Michigan Department of Environment, Great Lakes, and Energy. **(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 condition 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 Rule 301, 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 Rule 303 (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 Rule 370(2). **(R 336.1370)**
13. The Department may require the permittee to conduct acceptable performance tests, at the permittee's expense, in accordance with Rule 1001 and Rule 1003, under any of the conditions listed in Rule 1001. **(R 336.2001)**

EMISSION UNIT SPECIAL CONDITIONS

EMISSION UNIT SUMMARY TABLE

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

Emission Unit ID	Emission Unit Description (Including Process Equipment & Control Device(s))	Flexible Group ID
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

Emission Unit ID	Emission Unit Description (Including Process Equipment & Control Device(s))	Flexible Group ID
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
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

Emission Unit ID	Emission Unit Description (Including Process Equipment & Control Device(s))	Flexible Group ID
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
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.

EU-PLANT1 EMISSION UNIT CONDITIONS

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 No. 1

I. EMISSION LIMIT(S)

NA

II. MATERIAL LIMIT(S)

NA

III. PROCESS/OPERATIONAL RESTRICTION(S)

NA

IV. DESIGN/EQUIPMENT PARAMETER(S)

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 RESTRICTION(S)

1. The exhaust gases from the bag filter portion of EU-PLANT1 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 REQUIREMENT(S)

NA

EU-PLANT2 EMISSION UNIT CONDITIONS

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 No. 2

I. EMISSION LIMIT(S)

NA

II. MATERIAL LIMIT(S)

NA

III. PROCESS/OPERATIONAL RESTRICTION(S)

NA

IV. DESIGN/EQUIPMENT PARAMETER(S)

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 RESTRICTION(S)

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 REQUIREMENT(S)

NA

**EU-QUANTUM
EMISSION UNIT CONDITIONS**

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 LIMIT(S)

NA

II. MATERIAL LIMIT(S)

NA

III. PROCESS/OPERATIONAL RESTRICTION(S)

NA

IV. DESIGN/EQUIPMENT PARAMETER(S)

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 RESTRICTION(S)

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 REQUIREMENT(S)

NA

**EU-CEMENT
 EMISSION UNIT CONDITIONS**

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 No. 6

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period / Operating Scenario	Equipment	Monitoring / Testing Method	Underlying Applicable Requirements
1. PM	0.01 lbs per 1000 lbs of exhaust gases	Hourly	Bag filter portion in EU-CEMENT	SC V.1	R 336.1331(1)(c)
2. PM10	1.4 pph	Hourly	Bag filter portion in EU-CEMENT	SC V.1	R 336.1205, 40 CFR 52.21(c) & (d)
3. PM2.5	1.4 pph	Hourly	Bag filter portion in EU-CEMENT	SC V.1	R 336.1205, 40 CFR 52.21(c) & (d)

II. MATERIAL LIMIT(S)

NA

III. PROCESS/OPERATIONAL RESTRICTION(S)

NA

IV. DESIGN/EQUIPMENT PARAMETER(S)

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))

1. Upon the request of the AQD District Supervisor, the permittee shall verify PM, PM10, and PM2.5 emission rates from EU-CEMENT by testing at owner's expense, in accordance with Department requirements. Testing shall be performed using an approved EPA Method listed in:

Pollutant	Test Method Reference
PM	40 CFR Part 60, Appendix A; Part 10 of the Michigan Air Pollution Control Rules
PM10 / PM2.5	40 CFR Part 51, Appendix M

An alternate method, or a modification to the approved EPA Method, may be specified in an AQD approved Test Protocol and must meet the requirements of the federal Clean Air Act, all applicable state and federal

rules and regulations, and be within the authority of the AQD to make the change. No less than 30 days prior to testing, the permittee shall submit a complete test plan to the AQD Technical Programs Unit and District Office. The AQD must approve the final plan prior to testing, including any modifications to the method in the test protocol that are proposed after initial submittal. The permittee must submit a complete report of the test results to the AQD Technical Programs Unit and District Office within 60 days following the last date of the test. **(R 336.1205, R 336.1224, R 336.1225, R 336.2001, R 336.2003, R 336.2004, 40 CFR 52.21(c) & (d))**

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 RESTRICTION(S)

The exhaust gases from the stacks listed in the table below shall be discharged unobstructed vertically upwards 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-CEMENT*	42 x 67.5	108	R 336.1225, R 336.1901, 40 CFR 52.21(c) & (d)

*Stack discharges horizontally, which can include horizontal or downward, but must not be obstructed.

IX. OTHER REQUIREMENT(S)

NA

**EU-COMPONENT
EMISSION UNIT CONDITIONS**

DESCRIPTION

Sawing and planing operations controlled by a Donaldson-Torit bag filter collector to produce finished hardwood lumber in the Component Plant (Plant 5).

Flexible Group ID: NA

POLLUTION CONTROL EQUIPMENT

Bag filter collector No. 5

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period / Operating Scenario	Equipment	Monitoring / Testing Method	Underlying Applicable Requirements
1. PM	0.01 lbs per 1000 lbs of exhaust gases	Hourly	Bag filter portion in EU- COMPONENT	SC V.1	R 336.1331(1)(c)
2. PM10	0.58 pph	Hourly	Bag filter portion in EU- COMPONENT	SC V.1	R 336.1205, 40 CFR 52.21(c) & (d)
3. PM2.5	0.26 pph	Hourly	Bag filter portion in EU- COMPONENT	SC V.1	R 336.1205, 40 CFR 52.21(c) & (d)

II. MATERIAL LIMIT(S)

NA

III. PROCESS/OPERATIONAL RESTRICTION(S)

NA

IV. DESIGN/EQUIPMENT PARAMETER(S)

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))

1. Within 180 days after permit issuance, the permittee shall verify PM, PM10, and PM2.5 emission rates from EU-COMPONENT by testing at owner's expense, in accordance with Department requirements. Testing shall be performed using an approved EPA Method listed in:

Pollutant	Test Method Reference
PM	40 CFR Part 60, Appendix A; Part 10 of the Michigan Air Pollution Control Rules
PM10 / PM2.5	40 CFR Part 51, Appendix M

An alternate method, or a modification to the approved EPA Method, may be specified in an AQD approved Test Protocol and must meet the requirements of the federal Clean Air Act, all applicable state and federal rules and regulations, and be within the authority of the AQD to make the change. No less than 30 days prior to testing, the permittee shall submit a complete test plan to the AQD Technical Programs Unit and District Office. The AQD must approve the final plan prior to testing, including any modifications to the method in the test protocol that are proposed after initial submittal. The permittee must submit a complete report of the test results to the AQD Technical Programs Unit and District Office within 60 days following the last date of the test. (R 336.1205, R 336.1224, R 336.1225, R 336.2001, R 336.2003, R 336.2004, 40 CFR 52.21(c) & (d))

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 RESTRICTION(S)

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

Stack & Vent ID	Maximum Exhaust Diameter / Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
1. SVBH5*	64	14	40 CFR 52.21(c) & (d)

*Stack discharges horizontally, which can include horizontal or downward, but must not be obstructed.

IX. OTHER REQUIREMENT(S)

NA

**EU-PLANT3
EMISSION UNIT CONDITIONS**

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 No. 3

I. EMISSION LIMIT(S)

NA

II. MATERIAL LIMIT(S)

NA

III. PROCESS/OPERATIONAL RESTRICTION(S)

NA

IV. DESIGN/EQUIPMENT PARAMETER(S)

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 RESTRICTION(S)

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 REQUIREMENT(S)

NA

**EU-GREENCYCLONE
EMISSION UNIT CONDITIONS**

DESCRIPTION

Green lumber cutting saw controlled by a Donaldson-Torit bag filter collector in Plant 4.

Flexible Group ID: NA

POLLUTION CONTROL EQUIPMENT

Bag filter collector No. 4

I. EMISSION LIMIT(S)

NA

II. MATERIAL LIMIT(S)

NA

III. PROCESS/OPERATIONAL RESTRICTION(S)

NA

IV. DESIGN/EQUIPMENT PARAMETER(S)

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 install, calibrate, maintain and operate, in a satisfactory manner, a device to monitor the pressure drop from the bag filter portion of EU-GREENCYCLONE on a continuous basis. **(R 336.1301, R 336.1331, R 336.1910)**

VII. REPORTING

NA

VIII. STACK/VENT RESTRICTION(S)

1. The exhaust gases from the bag filter portion of EU-GREENCYCLONE 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 REQUIREMENT(S)

NA

EU-BOIL1CYC EMISSION UNIT CONDITIONS

DESCRIPTION

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

Flexible Group ID: NA

POLLUTION CONTROL EQUIPMENT

Cyclone collector

I. EMISSION LIMIT(S)

NA

II. MATERIAL LIMIT(S)

NA

III. PROCESS/OPERATIONAL RESTRICTION(S)

NA

IV. DESIGN/EQUIPMENT PARAMETER(S)

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 RESTRICTION(S)

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 REQUIREMENT(S)

NA

**EU-PROPANEHEAT
EMISSION UNIT CONDITIONS**

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 LIMIT(S)

NA

II. MATERIAL LIMIT(S)

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

III. PROCESS/OPERATIONAL RESTRICTION(S)

NA

IV. DESIGN/EQUIPMENT PARAMETER(S)

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 RESTRICTION(S)

NA

IX. OTHER REQUIREMENT(S)

NA

EU-BOILER1 EMISSION UNIT CONDITIONS

DESCRIPTION

A 17.8 MMBtu per hour wood-fired boiler.

Flexible Group ID: FGBOILERS

POLLUTION CONTROL EQUIPMENT

Multicyclone collector

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period / Operating Scenario	Equipment	Monitoring / Testing Method	Underlying Applicable Requirements
1. PM	0.30 lb/MMBtu	Hourly	EU-BOILER1	SC V.1	R 336.1331(1)(c)
2. PM	5.34 pph	Hourly	EU-BOILER1	SC V.1	R 336.1331(1)(c)
3. PM10	5.1 pph	Hourly	EU-BOILER1	SC V.1	40 CFR 52.21(c) & (d)
4. PM2.5	3.15 pph	Hourly	EU-BOILER1	SC V.1	40 CFR 52.21(c) & (d)

II. MATERIAL LIMIT(S)

NA

III. PROCESS/OPERATIONAL RESTRICTION(S)

NA

IV. DESIGN/EQUIPMENT PARAMETER(S)

- 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))**

- Upon the request of the AQD District Supervisor, the permittee shall verify PM, PM10, and PM2.5 emission rates from EU-BOILER1 by testing at owner's expense, in accordance with Department requirements. Testing shall be performed using an approved EPA Method listed in:

Pollutant	Test Method Reference
PM	40 CFR Part 60, Appendix A; Part 10 of the Michigan Air Pollution Control Rules
PM10 / PM2.5	40 CFR Part 51, Appendix M

An alternate method, or a modification to the approved EPA Method, may be specified in an AQD approved Test Protocol and must meet the requirements of the federal Clean Air Act, all applicable state and federal rules and regulations, and be within the authority of the AQD to make the change. No less than 30 days prior to testing, the permittee shall submit a complete test plan to the AQD Technical Programs Unit and District Office. The AQD must approve the final plan prior to testing, including any modifications to the method in the test protocol that are proposed after initial submittal. The permittee must submit a complete report of the test results to the AQD Technical Programs Unit and District Office within 60 days following the last date of the test. (R 336.1205, R 336.1224, R 336.1225, R 336.2001, R 336.2003, R 336.2004, 40 CFR 52.21(c) & (d))

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 RESTRICTION(S)

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

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

IX. OTHER REQUIREMENT(S)

NA

**EU-BOILER2
 EMISSION UNIT CONDITIONS**

DESCRIPTION

A 26.8 MMBtu per hour wood-fired boiler.

Flexible Group ID: FGBOILERS

POLLUTION CONTROL EQUIPMENT

Multicyclone collector

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period / Operating Scenario	Equipment	Monitoring / Testing Method	Underlying Applicable Requirements
1. PM	0.10 lb/MMBtu	Hourly	EU-BOILER2	SC V.1	R 336.1331(1)(c)
2. PM	2.69 pph	Hourly	EU-BOILER2	SC V.1	R 336.1331(1)(c)
3. PM10	0.10 lb/MMBtu	Hourly	EU-BOILER2	SC V.1	40 CFR 52.21(c) & (d)
4. PM10	2.69 pph	Hourly	EU-BOILER2	SC V.1	40 CFR 52.21(c) & (d)
5. PM2.5	2.69 pph	Hourly	EU-BOILER2	SC V.1	40 CFR 52.21(c) & (d)

II. MATERIAL LIMIT(S)

NA

III. PROCESS/OPERATIONAL RESTRICTION(S)

NA

IV. DESIGN/EQUIPMENT PARAMETER(S)

- 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))

- Upon the request of the AQD District Supervisor, the permittee shall verify PM, PM10, and PM2.5 emission rates from EU-BOILER2 by testing at owner's expense, in accordance with Department requirements. Testing shall be performed using an approved EPA Method listed in:

Pollutant	Test Method Reference
PM	40 CFR Part 60, Appendix A; Part 10 of the Michigan Air Pollution Control Rules

PM10 / PM2.5	40 CFR Part 51, Appendix M
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An alternate method, or a modification to the approved EPA Method, may be specified in an AQD approved Test Protocol and must meet the requirements of the federal Clean Air Act, all applicable state and federal rules and regulations, and be within the authority of the AQD to make the change. No less than 30 days prior to testing, the permittee shall submit a complete test plan to the AQD Technical Programs Unit and District Office. The AQD must approve the final plan prior to testing, including any modifications to the method in the test protocol that are proposed after initial submittal. The permittee must submit a complete report of the test results to the AQD Technical Programs Unit and District Office within 60 days following the last date of the test. (R 336.1205, R 336.1224, R 336.1225, R 336.2001, R 336.2003, R 336.2004, 40 CFR 52.21(c) & (d))

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 RESTRICTION(S)

The exhaust gases from the stacks listed in the table below shall be discharged unobstructed vertically upwards 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-BOILER2	28	45	R 336.1901, 40 CFR 52.21(c) & (d)

IX. OTHER REQUIREMENT(S)

NA

FLEXIBLE GROUP SPECIAL CONDITIONS

FLEXIBLE GROUP SUMMARY TABLE

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

Flexible Group ID	Flexible Group Description	Associated Emission Unit IDs
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

**FGBOILERS
FLEXIBLE GROUP CONDITIONS**

DESCRIPTION

Two wood-fired boilers

Emission Unit: EU-BOILER1, EU-BOILER2

POLLUTION CONTROL EQUIPMENT

Multicyclone collectors

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period / Operating Scenario	Equipment	Monitoring / Testing Method	Underlying Applicable Requirements
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 LIMIT(S)

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 RESTRICTION(S)

NA

IV. DESIGN/EQUIPMENT PARAMETER(S)

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 RESTRICTION(S)

NA

IX. OTHER REQUIREMENT(S)

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)**

**FGKILNS
FLEXIBLE GROUP CONDITIONS**

DESCRIPTION

Thirty-five hardwood lumber drying kilns.

Emission Unit: 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 LIMIT(S)

Pollutant	Limit	Time Period / Operating Scenario	Equipment	Monitoring / Testing Method	Underlying Applicable Requirements
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 LIMIT(S)

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 RESTRICTION(S)

NA

IV. DESIGN/EQUIPMENT PARAMETER(S)

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 RESTRICTION(S)

The exhaust gases from the stacks listed in the table below shall be discharged unobstructed vertically upwards 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)

Stack & Vent ID	Maximum Exhaust Diameter / Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
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)
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)

Stack & Vent ID	Maximum Exhaust Diameter / Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
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 REQUIREMENT(S)

NA

FGCOAT FLEXIBLE GROUP CONDITIONS

DESCRIPTION

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

Emission Unit: EU-COAT1, EU-COAT2, EU-COAT3, EU-COAT4, EU-COAT5

POLLUTION CONTROL EQUIPMENT

NA

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period / Operating Scenario	Equipment	Monitoring / Testing Method	Underlying Applicable Requirements
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 LIMIT(S)

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 RESTRICTION(S)

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 PARAMETER(S)

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 RESTRICTION(S)

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 REQUIREMENT(S)

NA