

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

June 28, 2022

PERMIT TO INSTALL
87-22

ISSUED TO
G-M Wood Products

LOCATED AT
531 Clay Street
Newaygo, Michigan 49337

IN THE COUNTY OF
Newaygo

STATE REGISTRATION NUMBER
P0477

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: April 27, 2022	
DATE PERMIT TO INSTALL APPROVED: June 28, 2022	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 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 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
EUWOODWORKINGP2	Various woodworking operations for wood door casings in Plant #2 with emissions directed to a 75,000 acfm baghouse dust collector. Woodworking operations include molding, sawing, routing, and sanding.	FGWOODWORKING
EUWOODWORKINGP3	Various woodworking operations for wood door casings in Plant #3 with emissions directed to a 30,000 acfm dust collector. Woodworking operations include molding, sawing, routing, and sanding.	FGWOODWORKING
EUWOODWORKINGP5	Various woodworking operations for wood door casings in Plant #5 with emissions directed to a 70,000 acfm dust collector. Woodworking operations include molding, sawing, routing, and sanding.	FGWOODWORKING
EUEDGEGLUEP2	Application of water-based adhesive material, directly applied to boards.	FGCOATING
EUPRIMER1P2	Surface coating line used to apply a water-based primer with an airless sprayer and a 0.44 MMBtu/hr natural gas-fired infrared dryer.	FGCOATING
EUPRIMER2P2	Surface coating line used to apply a water-based primer with vacuum coater and a 0.44 MMBtu/hr natural gas-fired infrared dryer.	FGCOATING
EUMANUALSPRAY	Manual spray booth used to apply water-based primer using HVLP applicators.	FGCOATING
EUPRIMERP3	HVLP spray booth used to apply water-based primer.	FGCOATING
EUUVSEALER	Direct application of a UV sealer.	FGCOATING
EUVINYLRAP1	Direct contact application of hot melt adhesive of vinyl to wood.	FGCOATING
EUVINYLRAP2	Direct contact application of hot melt adhesive of vinyl to wood.	FGCOATING
EUPROLINE1	Brush application of sealer to ends of boards.	FGCOATING
EUPROLINE2	Application of sealer to ends of boards.	FGCOATING
EULABELPRINT	Printing and application of a label using solvent-based ink.	FGCOATING
EUDURAFRAME1	Glue application to sides of wood strips via direct contact application.	FGCOATING
EUDURAFRAME2	Glue application to sides of wood strips via direct contact application.	FGCOATING
EUEDGEGLUE1	Application of glue to edges of wood with direct application.	FGCOATING
EUEDGEGLUE2	Application of glue to edges of wood with direct application.	FGCOATING
EUWOODFILLER	Application of wood filler followed by a 0.7 MMBtu/hr natural gas-fired oven.	FGCOATING

Emission Unit ID	Emission Unit Description (Including Process Equipment & Control Device(s))	Flexible Group ID
EUVACUUMPRIME	Application of water-based primer using a vacuum coater followed by a 0.7 MMBtu/hr natural gas-fired oven.	FGCOATING

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.

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
FGWOODWORKING	Various woodworking operations for manufacturing wood door casings at the facility where woodworking dust is collected and directed to one of three baghouse dust collectors. Woodworking operations include molding, sawing, routing, and sanding. All woodworking operations are equipped with baghouse dust control systems.	EUWOODWORKINGP2, EUWOODWORKINGP3, EUWOODWORKINGP5
FGCOATING	A variety of coating processes used at the facility.	EUEDGEGLUEP2, EUPRIMER1P2, EUPRIMER2P2, EUMANUALSPRAY, EUPRIMERP3, EUUVSEALER, EUVINYLRAP1, EUVINYLRAP2, EUPROLINE1, EUPROLINE2, EULABELPRINT, EUDURAFRAME1, EUDURAFRAME2, EUEDGEGLUE1, EUEDGEGLUE2, EUWOODFILLER, EUVACUUMPRIME

**FGWOODWORKING
FLEXIBLE GROUP CONDITIONS**

DESCRIPTION

Various woodworking operations for manufacturing wood door casings at the facility where woodworking dust is collected and directed to one of three baghouse dust collectors. Woodworking operations include molding, sawing, routing, and sanding.

Emission Unit: EUWOODWORKINGP2, EUWOODWORKINGP3, EUWOODWORKINGP5

POLLUTION CONTROL EQUIPMENT

Baghouse P2, Baghouse P3, and Baghouse P5.

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period / Operating Scenario	Equipment	Monitoring / Testing Method	Underlying Applicable Requirements
1. PM	0.96 pph	Hourly	EUWOODWORKING P2	SC V.1, SC VI.3, SC VI.4	R 336.1205 R 336.1331
2. PM10	0.96 pph	Hourly	EUWOODWORKING P2	SC V.1, SC VI.3, SC VI.4	40 CFR 52.21(c) & (d)
3. PM2.5	0.96 pph	Hourly	EUWOODWORKING P2	SC V.1, SC VI.3, SC VI.4	40 CFR 52.21(c) & (d)
4. PM	0.39 pph	Hourly	EUWOODWORKING P3	SC V.1, SC VI.3, SC VI.4	R 336.1205 R 336.1331
5. PM10	0.39 pph	Hourly	EUWOODWORKING P3	SC V.1, SC VI.3, SC VI.4	40 CFR 52.21(c) & (d)
6. PM2.5	0.39 pph	Hourly	EUWOODWORKING P3	SC V.1, SC VI.3, SC VI.4	40 CFR 52.21(c) & (d)
7. PM	0.9 pph	Hourly	EUWOODWORKING P5	SC V.1, SC VI.3, SC VI.4	R 336.1205 R 336.1331
8. PM10	0.9 pph	Hourly	EUWOODWORKING P5	SC V.1, SC VI.3, SC VI.4	40 CFR 52.21(c) & (d)
9. PM2.5	0.9 pph	Hourly	EUWOODWORKING P5	SC V.1, SC VI.3, SC VI.4	40 CFR 52.21(c) & (d)
10. Opacity	5%	6-minute average ^a	Each baghouse in FGWOODWORKING	SC V.2, SC VI.3, SC VI.4	R 336.1301

^a When discharging to the outside atmosphere.

II. MATERIAL LIMIT(S)

NA

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. The permittee shall not operate FGWOODWORKING unless a malfunction abatement plan (MAP) as described in Rule 911(2), for each baghouse/filter system, has been submitted within 90 days of permit issuance, and is implemented and maintained. The MAP shall, at a minimum, specify the following:
 - a) A complete preventative maintenance program including identification of the supervisory personnel responsible for overseeing the inspection, maintenance, and repair of air-cleaning devices, a description of the items or conditions that shall be inspected, the frequency of the inspections or repairs, and an identification of the major replacement parts that shall be maintained in inventory for quick replacement.
 - b) An identification of the source and air-cleaning device operating variables that shall be monitored to detect a malfunction or failure, the normal operating range of these variables, and a description of the method of monitoring or surveillance procedures.
 - c) A description of the corrective procedures or operational changes that shall be taken in the event of a malfunction or failure to achieve compliance with the applicable emission limits.

If at any time the MAP fails to address or inadequately addresses an event that meets the characteristics of a malfunction, the permittee shall amend the MAP within 45 days after such an event occurs. The permittee shall also amend the MAP within 45 days if new equipment is installed or upon request from the District Supervisor. The permittee shall submit the MAP and any amendments to the MAP to the AQD District Supervisor for review and approval. If the AQD does not notify the permittee within 90 days of submittal, the MAP or amended MAP shall be considered approved. Until an amended plan is approved, the permittee shall implement corrective procedures or operational changes to achieve compliance with all applicable emission limits. **(R 336.1331, R 336.1910, R 336.1911, 40 CFR 52.21(c) & (d))**

2. The permittee shall not vent baghouse emissions from FGWOODWORKING externally for more than 6570 hours per dust collector per 12-month rolling time period as determined at the end of each calendar month. **(R 336.1331, 40 CFR 52.21(c) & (d))**

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. The permittee shall not operate any emission unit under FGWOODWORKING unless the respective baghouse/filter system is installed, maintained, and operated in a satisfactory manner per the manufacturer's specifications. Satisfactory operation includes but is not limited to maintaining the baghouse as specified by the malfunction abatement plan required by SC III.1. **(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. Upon request from the AQD District Supervisor, the permittee may be required to verify the PM, PM10, and/or PM2.5 emission rates from any combination of emission units in FGWOODWORKING by testing at the 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 336.1331, R 336.2001, R 336.2003, R 336.2004, 40 CFR 52.21(c) & (d))**

2. Upon request of the AQD District Supervisor, the permittee shall evaluate visible emissions from any combination of the baghouses associated with FGWOODWORKING, in accordance 40 CFR Part 60 Subpart A. Visible emission observation procedures must have prior approval by the AQD Technical Programs Unit and District Office. The permittee must submit a complete report of the test results to the AQD Technical Programs Unit and District Office within 45 days following the last date of the test. **(R 336.1301)**

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 by the last day of the calendar month, for the previous calendar month, unless otherwise specified in any monitoring/recordkeeping special condition. **(R 336.1331, 40 CFR 52.21(c) & (d))**
2. The permittee shall keep a log of all inspections and maintenance performed on any air emission control system associated with FGWOODWORKING (pursuant to SC III.1). The permittee shall maintain this record on site and make it available to the Department upon request. **(R 336.1301, R 336.1331, R 336.1911, 40 CFR 52.21(c) & (d))**
3. The permittee shall conduct and record the results of non-certified visible emission checks when the collector is discharging to the outside air on a daily basis. **(R 336.1205, R 336.1301, R 336.1331, R 336.1910, 40 CFR 52.21(c) and (d))**
4. The permittee shall keep, in a satisfactory manner acceptable to the AQD District Supervisor, a log of the hours of external venting of each of the baghouses in FGWOODWORKING per 12-month rolling time period as determined at the end of each calendar month. The permittee shall keep all records on file at the facility and make them available to the Department upon request. **(R 336.1225, R 336.1702, 40 CFR 52.21(c) & (d))**

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. SVP2 ^a	47 x 47	26	40 CFR 52.21(c) & (d)
2. SVP3 ^a	36 x 36	24	40 CFR 52.21(c) & (d)
3. SVP5 ^a	66	24	40 CFR 52.21(c) & (d)

^a This stack/vent does not exhaust vertically.

IX. OTHER REQUIREMENT(S)

NA

Footnotes:

¹ This condition is state only enforceable and was established pursuant to Rule 201(1)(b).

**FGCOATING
FLEXIBLE GROUP CONDITIONS**

DESCRIPTION

A variety of coating processes used at the facility between Plant 2, Plant 3, Plant 4, and Plant 5.

Emission Unit: EUEDGEGLUEP2, EUPRIMER1P2, EUPRIMER2P2, EUMANUALSPRAY, EUPRIMERP3, EUUVSEALER, EUVINYLWRAP1, EUVINYLWRAP2, EUPROLINE1, EUPROLINE2, EULABELPRINT, EUDURAFRAME1, EUDURAFRAME2, EUEDGEGLUE1, EUEDGEGLUE2, EUWOODFILLER, EUVACUUMPRIME

POLLUTION CONTROL EQUIPMENT

Dry filters on EUMANUALSPRAY

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period / Operating Scenario	Equipment	Monitoring / Testing Method	Underlying Applicable Requirements
1. VOC	16.0 tpy	12-month rolling time period as determined at the end of each calendar month	FGCOATING	SC VI.1 SC VI.3	R 336.1702(a)

II. MATERIAL LIMIT(S)

Pollutant	Limit	Time Period / Operating Scenario	Equipment	Monitoring / Testing Method	Underlying Applicable Requirements
1. VOC Content in Primers	0.33 lb/gal (minus water) ^a as applied	Instantaneous	EUPRIMER1P2, EUPRIMER2P2, EUPRIMER3, EUVACUUMPRIME, EUMANUALSPRAY, each separately	SC V.1, SC VI.3	R 336.1702(a)
2. VOC Content in Adhesives	0.0022 lb/gal (minus water) ^a as applied	Instantaneous	EUVINYLWRAP1, EUVINYLWRAP2, EUDURAFRAME1, EUDURAFRAME2, each separately	SC V.1, SC VI.3	R 336.1702(a)
3. VOC Content in Wood Fillers	1.071 lb/gal (minus water) ^a as applied	Instantaneous	EUWOODFILLER	SC V.1, SC VI.3	R 336.1702(a)
4. VOC Content in Sealers	0.14 lb/gal (minus water) ^a as applied	Instantaneous	EUPROLINE1, EUPROLINE2, each separately	SC V.1, SC VI.3	R 336.1702(a)

^a The phrase "minus water" shall also include compounds which are used as organic solvents and which are excluded from the definition of volatile organic compound. **(R 336.1602(4))**

5. The permittee shall not use any adhesives containing VOCs in EUEDGEGLUE1 and EUEDGEGLUE2. **(R 336.1702(a))**

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. The permittee shall capture all waste materials and shall store them in closed containers. The permittee shall dispose of all waste materials in an acceptable manner in compliance with all applicable state rules and federal regulations. **(R 336.1225, R 336.1702(a))**
2. The permittee shall dispose of spent filters in a manner which minimizes the introduction of air contaminants to the outer air. **(R 336.1224, R 336.1370(1))**
3. The permittee shall handle all VOC containing materials, including coatings, reducers, solvents and thinners, in a manner to minimize the generation of fugitive emissions. The permittee shall keep containers covered at all times except when operator access is necessary. **(R 336.1205(3), R 336.1224, R 336.1225, R 336.1702(a))**

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. The permittee shall not operate FGCOATING unless all respective exhaust filters are installed, maintained and operated in a satisfactory manner. **(R 336.1224, R 336.1301, R 336.1901, R 336.1910)**
2. The permittee shall equip and maintain EUPRIMER1P2 with airless application or comparable technology with equivalent transfer efficiency. **(R 336.1702(a))**
3. The permittee shall equip and maintain EUMANUALSPRAY with HVLP or comparable technology with equivalent transfer efficiency. For HVLP applicators, the permittee shall keep test caps available for pressure testing. **(R 336.1702(a))**
4. The permittee shall equip and maintain EUPRIMER2P2 and EUVACUUMPRIME with a vacuum coater or comparable technology with equivalent transfer efficiency. **(R 336.1702(a))**
5. The permittee shall equip and maintain EUPRIMERP3, EUVSEALER, EUVINYLWRAP1, EUVINYLWRAP2, EUWOODFILLER, EUEDGEGLUE, EUDURAFRAME1, EUDURAFRAME2, EUPROLINE2, and EUPROLINE1 with direct application 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))**

1. The permittee shall determine the VOC content, water content and density of any material, as applied and as received, using federal Reference Test Method 24. Upon prior written approval by the AQD District Supervisor, the permittee may determine the VOC content from manufacturer's formulation data. If the Method 24 and the formulation values should differ, the permittee shall use the Method 24 results to determine compliance. **(R 336.1205, R 336.1225, R 336.1702)**

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 by the last day of the calendar month, for the previous calendar month, unless otherwise specified in any monitoring/recordkeeping special condition. **(R 336.1225, R 336.1702)**
2. The permittee shall maintain a current listing from the manufacturer of the chemical composition of each material, 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 and make them available to the Department upon request. **(R 336.1224, R 336.1225, R 336.1702)**

3. The permittee shall keep the following information on a monthly basis for FGCOATING:
- a) Gallons (with water and minus water and exempt solvents) of each material used.
 - b) VOC content (with water and minus water) of each material 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 using mass balance, or an alternative method and format acceptable to the AQD District Supervisor. The permittee shall keep all records on file and make them available to the Department upon request. **(R 336.1225, R 336.1702(a))**

VII. REPORTING

NA

VIII. STACK/VENT RESTRICTION(S)

NA

IX. OTHER REQUIREMENT(S)

NA

Footnotes:

¹ This condition is state only enforceable and was established pursuant to Rule 201(1)(b).

FGFACILITY CONDITIONS

DESCRIPTION: The following conditions apply source-wide to all process equipment including equipment covered by other permits, grand-fathered equipment and exempt equipment.

POLLUTION CONTROL EQUIPMENT

NA

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period / Operating Scenario	Equipment	Monitoring / Testing Method	Underlying Applicable Requirements
1. Each Individual HAP	Less than 8.9 tpy	12-month rolling time period as determined at the end of each calendar month	FGFACILITY	SC VI.2	R 336.1205(3)
2. Aggregate HAPs	Less than 22.4 tpy	12-month rolling time period as determined at the end of each calendar month	FGFACILITY	SC VI.2	R 336.1205(3)

II. MATERIAL LIMIT(S)

NA

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))**

1. The permittee shall determine the HAP content of any material, as received and as applied, using manufacturer's formulation data. Upon request of the AQD District Supervisor, the permittee shall verify the manufacturer's HAP formulation data using EPA Test Method 311. **(R 336.1205(3))**

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 by the 15th day of the calendar month, for the previous calendar month, unless otherwise specified in any monitoring/recordkeeping special condition. **(R 336.1205(3))**
2. The permittee shall keep the following information on a monthly basis for FGFACILITY:
 - a) Gallons or pounds of each HAP containing material used.
 - b) Where applicable, gallons or pounds of each HAP containing material reclaimed.
 - c) HAP content, in pounds per gallon or pounds per pound, of each HAP containing material used.
 - d) Individual and aggregate HAP emission calculations determining the monthly emission rate of each in tons per calendar month.

- e) Individual and aggregate HAP emission calculations determining the annual emission rate of each in tons per 12-month rolling time period as determined at the end of each calendar month. For the first month following permit issuance, the calculations shall include the summation of emissions from the 11-month period immediately preceding the issuance date. For each month thereafter, calculations shall include the summation of emissions for the appropriate number of months prior to permit issuance plus the months following permit issuance for a total of 12 consecutive months.

The permittee shall keep the records using mass balance, or an alternative method and format acceptable to the AQD District Supervisor. The permittee shall keep all records on file and make them available to the Department upon request. **(R 336.1205(3))**

VII. REPORTING

NA

VIII. STACK/VENT RESTRICTION(S)

NA

IX. OTHER REQUIREMENT(S)

NA

Footnotes:

¹ This condition is state only enforceable and was established pursuant to Rule 201(1)(b).