MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY AIR QUALITY DIVISION

July 17, 2018

PERMIT TO INSTALL 143-17A

ISSUED TO
Harvest Oak Manufacturing

LOCATED AT 804 N. Matteson Street Bronson, Michigan

IN THE COUNTY OF Branch

STATE REGISTRATION NUMBER P0862

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: April 16, 2018			
DATE PERMIT TO INSTALL APPROVED: July 17, 2018	SIGNATURE:		
DATE PERMIT VOIDED:	SIGNATURE:		
DATE PERMIT REVOKED:	SIGNATURE:		

PERMIT TO INSTALL

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Common Abbreviations / Acronyms

	Common Acronyms	Pollutant / Measurement Abbreviations			
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	СО	Carbon Monoxide		
CEM	Continuous Emission Monitoring	CO ₂ e	Carbon Dioxide Equivalent		
CFR	Code of Federal Regulations	dscf	Dry standard cubic foot		
СОМ	Continuous Opacity Monitoring	dscm	Dry standard cubic meter		
Department/	Michigan Department of Environmental	°F	Degrees Fahrenheit		
department	Quality	gr	Grains		
EU	Emission Unit	HAP	Hazardous Air Pollutant		
FG	Flexible Group	Hg	Mercury		
GACS	Gallons of Applied Coating Solids	hr	Hour		
GC	General Condition	HP	Horsepower		
GHGs	Greenhouse Gases	H₂S	Hydrogen Sulfide		
HVLP	High Volume Low Pressure*	kW	Kilowatt		
ID	Identification	lb	Pound		
IRSL	Initial Risk Screening Level	m	Meter		
ITSL	Initial Threshold Screening Level	mg	Milligram		
LAER	Lowest Achievable Emission Rate	mm	Millimeter		
MACT	Maximum Achievable Control Technology	MM	Million		
MAERS	Michigan Air Emissions Reporting System	MW	Megawatts		
MAP	Malfunction Abatement Plan	NMOC	Non-methane Organic Compounds		
MDEQ	Michigan Department of Environmental	NO _x	Oxides of Nitrogen		
MODO	Quality	ng	Nanogram Paris Island		
MSDS NA	Material Safety Data Sheet Not Applicable	PM	Particulate Matter		
NAAQS	National Ambient Air Quality Standards	PM10	Particulate Matter equal to or less than 10 microns in diameter		
NESHAP	National Emission Standard for		Particulate Matter equal to or less than 2.5		
	Hazardous Air Pollutants	PM2.5	microns in diameter		
NSPS	New Source Performance Standards	pph	Pounds per hour		
NSR	New Source Review	ppm	Parts per million		
PS	Performance Specification	ppmv	Parts per million by volume		
PSD	Prevention of Significant Deterioration	ppmw	Parts per million by weight		
PTE	Permanent Total Enclosure	psia	Pounds per square inch absolute		
PTI	Permit to Install	psig	Pounds per square inch gauge		
RACT	Reasonable Available Control Technology	scf	Standard cubic feet		
ROP	Renewable Operating Permit	sec	Seconds		
SC	Special Condition	SO ₂	Sulfur Dioxide		
SCR	Selective Catalytic Reduction	TAC	Toxic Air Contaminant		
SNCR	Selective Non-Catalytic Reduction	Temp	Temperature		
SRN	State Registration Number	THC	Total Hydrocarbons		
TEQ	Toxicity Equivalence Quotient	tpy	Tons per year		
USEPA/EPA	United States Environmental Protection	μg	Microgram		
VE	Agency Visible Emissions	μm VOC	Micrometer or Micron		
VE	Visible Emissions		Volatile Organic Compounds Year		
<u> </u>	plicators, the pressure measured at the gun	yr			

^{*}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.

Emission Unit ID	Emission Unit Description (Process Equipment & Control Devices)	Installation Date / Modification Date	Flexible Group ID	
EU-LL1	A wood molding surface coating line that includes two (2) Trans-Tech 513 LVMP spray applicators. Particulate is controlled with dry filters.	May 2017	FG-COATING	
EU-LL2	A wood molding surface coating line that includes two (2) Trans-Tech 513 LVMP spray applicator. Particulate is controlled with dry filters.	luna 2017	FG-COATING	
EU-LL3	A wood molding surface coating line that includes two (2) air assisted airless (Airmix) spray applicators. Particulate is controlled with dry filters.	Pormit Issuance	FG-COATING	
EU-LL4	A wood molding surface coating line that includes two (2) air assisted airless (Airmix) spray applicators. Particulate is controlled with dry filters.	June 2017	FG-COATING	
EU-LL5	A wood molding surface coating line that includes two (2) air assisted airless (Airmix) spray applicators. Particulate is controlled with dry filters.	Permit Issuance	FG-COATING	
EU-SB1	Three (3), two-gallon pots with one (1) Trans-Tech 513 LVMP spray applicator per pot for coating samples and "specialty" wood products. Overspray emissions are controlled by dry filters		FG-COATING	
EU-WOODWORKING1	A wood working line consisting of a table saw, band saw, chop saw, and two 36" drum sanders. Particulate emissions are controlled by an internal return-air bagfilter system.	May 2017	FG-WOODWORKING	
EU-WOODWORKING2	A wood working line consisting of a band saw, and a chop saw. Particulate emissions are controlled by an internal return-air bagfilter system.	Permit Issuance Date	FG-WOODWORKING	

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 336.1290.

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
FG-COATING	Five (5) lineal spray lines, one (1) spray coating booth and cleanup operations.	EU-LL1, EU-LL2, EU-LL3, EU-LL4, EU-LL5, EU-SB1
FG-WOODWORKING	Two (2) wood working lines. Particulate emissions from each line are controlled by an internal return-air bagfilter system.	EU-WOODWORKING1, EU-WOODWORKING2
FGFACILITY	All process equipment source-wide including equipment covered by other permits, grand-fathered equipment and exempt equipment.	-

The following conditions apply to: FG-WOODWORKING

<u>DESCRIPTION</u>: Two (2) wood working lines. Particulate emissions from each line are controlled by an internal return-air bagfilter system.

Emission Unit IDs: EU-WOODWORKING1, EU-WOODWORKING2

POLLUTION CONTROL EQUIPMENT: A return-air bagfilter system.

I. EMISSION LIMITS

NA

II. MATERIAL LIMITS

NA

III. PROCESS/OPERATIONAL RESTRICTIONS

1. The permittee shall not operate either emission unit in FG-WOODWORKING unless a return-air bagfilter system is installed, maintained, and operated in a satisfactory manner. (R 336.1910, 40 CFR 52.21(c) & (d))

IV. DESIGN/EQUIPMENT PARAMETERS

1. The permittee shall install, calibrate, maintain and operate in a satisfactory manner a return-air bagfilter system for each emission unit in FG-WOODWORKING. (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))

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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

1. The exhaust gases from FG-WOODWORKING shall be released only into the general in-plant environment. (40 CFR 52.21(c) & (d))

IX. OTHER REQUIREMENTS

NA

The following conditions apply to: FG-COATING

DESCRIPTION: Five (5) lineal spray lines, one (1) spray coating booth and cleanup operations.

Emission Unit IDs: EU-LL1, EU-LL2, EU-LL3, EU-LL4, EU-LL5, EU-SB1

POLLUTION CONTROL EQUIPMENT: Particulate matter dry air filters.

I. EMISSION LIMITS

Pollutant	Limit	Time Period / Operating Scenario	Equipment	Testing / Monitoring Method	Underlying Applicable Requirements
VOC	20.0 tpy	12-month rolling time period as determined at the end of each calendar month	FG-COATING	SC VI.3	R 336.1702(a)
Naphthalene (CAS No. 91-20-3)	38.4 lb/yr	12-month rolling time period as determined at the end of each calendar month	FG-COATING	SC VI.6	R 336.1225(1)
Formaldehyde (CAS No. 50-00-0)	38.4 lb/yr	12-month rolling time period as determined at the end of each calendar month	FG-COATING	SC VI.6	R 336.1225(1)
Acetone (CAS No. 67-64-1)	15.0 tpy	12-month rolling time period as determined at the end of each calendar month	FG-COATING	SC VI.3	R 336.1224
VOC and Acetone (CAS No. 67-64-1) combined	18.0 tpy	12-month rolling time period as determined at the end of each calendar month	Each Lineal Line in FG- COATING, Separately*	SC VI.5	R 336.1224, R 336.1702(a)
Acetone (CAS No. 67-64-1)	374.2 lb/day	Calendar day	FG-COATING	SC VI.4	R 336.1225(1)
n-Butyl Acetate (CAS No. 123-86-4)	450.3 lb/day	Calendar day	FG-COATING	SC VI.4	R 336.1225(1)
Heavy Aromatic Solvent Naphtha (CAS No. 64742-94-5)	23.3 lb/day	Calendar day	FG-COATING	SC VI.4	R 336.1225(1)
	VOC Naphthalene (CAS No. 91-20-3) Formaldehyde (CAS No. 50-00-0) Acetone (CAS No. 67-64-1) VOC and Acetone (CAS No. 67-64-1) combined Acetone (CAS No. 67-64-1) n-Butyl Acetate (CAS No. 123-86-4) Heavy Aromatic Solvent Naphtha	VOC 20.0 tpy Naphthalene (CAS No. 91-20-3) 38.4 lb/yr Formaldehyde (CAS No. 50-00-0) 38.4 lb/yr Acetone (CAS No. 67-64-1) 15.0 tpy VOC and Acetone (CAS No. 67-64-1) combined 18.0 tpy Acetone (CAS No. 67-64-1) 374.2 lb/day Heavy Aromatic (CAS No. 123-86-4) 450.3 lb/day Heavy Aromatic Solvent Naphtha 23.3 lb/day	VOC 20.0 tpy 12-month rolling time period as determined at the end of each calendar month Naphthalene (CAS No. 91-20-3) Formaldehyde (CAS No. 50-00-0) 38.4 lb/yr 12-month rolling time period as determined at the end of each calendar month 12-month rolling time period as determined at the end of each calendar month 12-month rolling time period as determined at the end of each calendar month 15.0 tpy 12-month rolling time period as determined at the end of each calendar month 15.0 tpy 12-month rolling time period as determined at the end of each calendar month 15.0 tpy 12-month rolling time period as determined at the end of each calendar month CAS No. 67-64-1) VOC and Acetone (CAS No. 67-64-1) combined 374.2 lb/day Calendar day Calendar day	VOC 20.0 tpy 12-month rolling time period as determined at the end of each calendar month 12-month rolling time period as determined at the end of each calendar month 12-month rolling time period as determined at the end of each calendar month 12-month rolling time period as determined at the end of each calendar month 12-month rolling time period as determined at the end of each calendar month 14-month 15.0 tpy 12-month rolling time period as determined at the end of each calendar month 15.0 tpy 12-month rolling time period as determined at the end of each calendar month 15.0 tpy 12-month rolling time period as determined at the end of each calendar month 15.0 tpy 12-month rolling time period as determined at the end of each calendar month 15.0 tpy 12-month rolling time period as determined at the end of each calendar month 15.0 tpy CAS No. 67-64-1) Combined 18.0 tpy 12-month rolling time period as determined at the end of each calendar month 15.0 tpy CAS No. 67-64-1) Combined 15.0 tpy 12-month rolling time period as determined at the end of each calendar month 15.0 tpy CAS No. 67-64-1) Combined 16.0 tpy 16.0 tpy 17.0	PollutantLimitOperating ScenarioEquipmentMonitoring MethodVOC20.0 tpy12-month rolling time period as determined at the end of each calendar monthFG-COATINGSC VI.3Naphthalene (CAS No. 91-20-3)38.4 lb/yr12-month rolling time period as determined at the end of each calendar monthFG-COATINGSC VI.6Formaldehyde (CAS No. 50-00-0)38.4 lb/yr12-month rolling time period as determined at the end of each calendar monthFG-COATINGSC VI.6Acetone (CAS No. 67-64-1)15.0 tpy12-month rolling time period as determined at the end of each calendar monthFG-COATINGSC VI.3VOC and Acetone (CAS No. 67-64-1) combined18.0 tpy12-month rolling time period as determined at the end of each calendar monthEach Lineal Line in FG-COATING, Separately*Acetone (CAS No. 67-64-1)374.2 lb/dayCalendar dayFG-COATINGSC VI.4CAS No. 67-64-1)374.2 lb/dayCalendar dayFG-COATINGSC VI.4Heavy Aromatic Solvent Naphtha23.3 lb/dayCalendar dayFG-COATINGSC VI.4

^{*} The lineal lines are referred to as EU-LL1, EU-LL2, EU-LL3, EU-LL4, and EU-LL5. EU-SB1 is not included.

II. MATERIAL LIMITS

	Material	Limit	Time Period / Operating Scenario	Equipment	Testing / Monitoring Method	Underlying Applicable Requirements
1.	VOC coating content for stain	6.63 lb/gal (minus water) ^a as applied	Instantaneous	FG-COATING	SC V.1	R 336.1702(a)
2.	VOC coating content for primer	4.6 lb/gal (minus water) ^a as applied	Instantaneous	FG-COATING	SC V.1	R 336.1702(a)
3.	VOC coating content for gloss	5.30 lb/gal (minus water) ^a as applied	Instantaneous	FG-COATING	SC V.1	R 336.1702(a)
4.	VOC content for sealer	5.11 lb/gal (minus water) ^a as applied	Instantaneous	FG-COATING	SC V.1	R 336.1702(a)
5.	VOC content for varnish	4.41 lb/gal (minus water) ^a as applied	Instantaneous	FG-COATING	SC V.1	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))

III. PROCESS/OPERATIONAL RESTRICTIONS

- 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 336.1224, 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)
- 3. The permittee shall handle all VOC and HAP 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 PARAMETERS

- 1. The permittee shall not operate any coating line in FG-COATING unless all respective exhaust filters are installed, maintained and operated in a satisfactory manner. (R 336.1224, R 336.1301, R 336.1910)
- 2. The permittee shall equip and maintain each emission unit in FG-COATING with air assisted airless or LVMP spray applicators or comparable technology with equivalent transfer efficiency. For LVMP spray applicators, the permittee shall keep test caps available for pressure testing. (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 336.1225, R 336.1702, R 336.2001, R 336.2003, R 336.2004, R 336.2040(5))

VI. MONITORING/RECORDKEEPING

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

- 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 336.1224, R 336.1225, R 336.1702)
- 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, both, or certified Product Data Sheets 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 FG-COATING:
 - a) Gallons (with water) of each material used.
 - b) VOC content (minus water and with 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.
 - e) Acetone mass emission calculations determining the monthly emission rate in tons per calendar month.
 - f) Acetone 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 alternate 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 336.1702(a))

- 4. The permittee shall keep the following information on a daily basis for FG-COATING:
 - a) Gallons of each acetone (CAS No. 67-64-1) containing material used.
 - b) Gallons of each n-butyl acetate (CAS No. 123-86-4) containing material used.
 - c) Gallons of each heavy aromatic solvent naphtha (CAS No. 64742-94-5) containing material used.
 - d) Where applicable, gallons of each acetone containing material reclaimed.
 - e) The acetone content in pounds per gallon of each material used.
 - f) The n-butyl acetate content in pounds per gallon of each material used.
 - g) The heavy aromatic solvent naphtha content in pounds per gallon of each material used.
 - h) Acetone mass emission calculations determining the daily emission rate in pounds per calendar day.
 - i) n-Butyl acetate mass emission calculations determining the daily emission rate in pounds per calendar day.
 - Heavy aromatic solvent naphtha mass emission calculations determining the daily emission rate in pounds per calendar day.

The permittee shall keep the records using mass balance or an alternate 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.¹ (R 336.1224, R 336.1225(1))

- 5. The permittee shall keep the following information on a monthly basis for EU-LL1, EU-LL2, EU-LL3, EU-LL4, and EU-LL5, each separately:
 - a) Gallons (with water) of each material used.
 - b) VOC content (minus water and with water) and acetone content of each material as applied.
 - VOC and acetone mass emission calculations determining the monthly emission rate in tons per calendar month.
 - d) VOC and acetone 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 alternate 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 336.1224, R 336.1702(a))

- 6. The permittee shall keep the following information on a monthly basis for FG-COATING, each separately:
 - a) Gallons of each naphthalene (CAS No. 91-20-3) containing material used.
 - b) Gallons of each formaldehyde (CAS No. 50-00-0) containing material used.
 - c) The naphthalene content in pounds per gallon of each material used.
 - d) The formaldehyde content in pounds per gallon of each material used.
 - e) Naphthalene mass emission calculations determining the monthly emission rate in tons per calendar month.
 - f) Formaldehyde mass emission calculations determining the monthly emission rate in tons per calendar month.
 - g) Naphthalene 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.
 - h) Formaldehyde 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 alternate 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.¹ (R 336.1225(1))

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:

Stack & Vent ID	Maximum Exhaust Diameter/ Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements	
1. SV-LL1 (Lineal Line 1)	8	23	R 336.1225, 40 CFR 52.21(c) & (d)	
2. SV-LL2 (Lineal Line 2)	12	23	R 336.1225, 40 CFR 52.21(c) & (d)	
3. SV-LL3 (Lineal Line 3)	12	23	R 336.1225, 40 CFR 52.21(c) & (d)	
4. SV-LL4 (Lineal Line 4)	8	23	R 336.1225, 40 CFR 52.21(c) & (d)	
5. SV-LL5 (Lineal Line 5)	12	23	R 336.1225, 40 CFR 52.21(c) & (d)	
6. SV-SB1 (Spray Booth 1)	36	23	R 336.1225, 40 CFR 52.21(c) & (d)	

IX. OTHER REQUIREMENTS

NA

Footnotes:

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

The following conditions apply Source-Wide to: FGFACILITY

POLLUTION CONTROL EQUIPMENT: NA

I. EMISSION LIMITS

Pollutant	Limit	Time Period / Operating Scenario	Equipment	Testing / Monitoring 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)
3. Ethylbenzene (CAS No. 100-41-4)	0.9 tpy	12-month rolling time period as determined at the end of each calendar month	FGFACILITY	SC VI.3	R 336.1225(2)

II. MATERIAL LIMITS

NA

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))

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))

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- 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.

The permittee shall keep the records using mass balance or an acceptable 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))

- 3. The permittee shall keep the following information on a monthly basis for FGFACILITY:
 - a) Gallons (with water) of each ethylbenzene (CAS No. 100-41-4) containing material used.
 - b) Where applicable, gallons (with water) of each ethylbenzene containing material reclaimed.
 - c) The ethylbenzene content (with water) in pounds per gallon of each material used.
 - d) Ethylbenzene mass emission calculations determining the monthly emission rate in tons per calendar month.
 - e) Ethylbenzene 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 alternate 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.¹ (R 336.1225(2))

VII. REPORTING

NA

VIII. STACK/VENT RESTRICTIONS

NA

IX. OTHER REQUIREMENTS

NA

Footnotes:

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