

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

November 15, 2021

PERMIT TO INSTALL
176-97E

ISSUED TO
Summit Polymers, Inc.

LOCATED AT
4750 Executive Drive
Portage, Michigan 49002

IN THE COUNTY OF
Kalamazoo

STATE REGISTRATION NUMBER
N6261

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: October 21, 2021	
DATE PERMIT TO INSTALL APPROVED: November 15, 2021	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))	Installation Date / Modification Date	Flexible Group ID
EUBOOTH35_1	Coating booth using water-based and solvent-based coatings for plastic injection molded interior trim in automobiles. The booth uses HVLP robotic applicators and has a flash zone and an infrared cure oven shared with EUBOOTH35_2. The booth has two stacks. The booth may be used in conjunction with EUBOOTH35_2 when multiple layers of coating are required.	May 1, 2009 / March 18, 2016 / January 8, 2021	FGBOOTH35, FGBOOTH35
EUBOOTH35_2	Coating booth using water-based and solvent-based coatings for plastic injection molded interior trim in automobiles. The booth uses HVLP robotic applicators and has a flash zone and an infrared cure oven shared with EUBOOTH35_1. The booth has two stacks. The booth may be used in conjunction with EUBOOTH35_1 when multiple layers of coating are required.	January 8, 2021	FGBOOTH35
EUBOOTH31_1	Coating booth using water-based and solvent-based coatings for plastic injection molded interior trim in automobiles. The booth uses HVLP robotic applicators and has a flash zone and an infrared cure oven shared with EUBOOTH31_2. The booth has two stacks. The booth may be used in conjunction with EUBOOTH31_2 as a coating line when multiple layers of coating are required.	December 1, 2014 / March 18, 2016	FGBOOTH35
EUBOOTH31_2	Coating booth using water-based and solvent-based coatings for plastic injection molded interior trim in automobiles. The booth uses HVLP robotic applicators has a flash zone and an infrared cure oven shared with EUBOOTH31_1. The booth has two stacks. The booth may be used in conjunction with EUBOOTH31_1 as a coating line when multiple layers of coating are required.	December 1, 2014 / March 18, 2016	FGBOOTH35
EUBOOTH31	Coating line consisting of two coating booths (EUBOOTH31_1 and EUBOOTH31_2), followed by a flash zone and infrared cure oven, using water- and solvent-based coatings for plastic injection molded interior trim in automobiles.	October 4, 2019	NA

Emission Unit ID	Emission Unit Description (Including Process Equipment & Control Device(s))	Installation Date / Modification Date	Flexible Group ID
EU-BASE-CLEAR	Coating line using water- and solvent-based coatings for plastic injection molded interior trim in automobiles. The booths use HVLP robotic applicators and an electric convection oven. These booths are controlled by a regenerative thermal oxidizer.	October 1, 2020	NA

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-BASE-CLEAR
 EMISSION UNIT CONDITIONS**

DESCRIPTION

Coating line using water- and solvent-based coatings for plastic injection molded interior trim in automobiles. The booths use HVLP robotic applicators and an electric convection oven. These booths are controlled by a regenerative thermal oxidizer.

Flexible Group ID: NA

POLLUTION CONTROL EQUIPMENT

Water wash systems to control particulate matter and RTO (coating portion).

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period / Operating Scenario	Equipment	Monitoring / Testing Method	Underlying Applicable Requirements
1. VOCs	23.5 tpy	12-month rolling time period as determined at the end of each calendar month	EU-BASE-CLEAR	SC VI.3	R 336.1205(1)(a)(ii) R 336.1702(a)
2. VOC, Acetone (CAS No. 67-64-1), and tert-Butyl Acetate (CAS No. 540-88-5) combined	40.0 tpy	12-month rolling time period as determined at the end of each calendar month	EU-BASE-CLEAR	SC VI.4	R 336.1224, R 336.1702(a)

II. MATERIAL LIMIT(S)

NA

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. The permittee shall capture all waste materials (that would generate air emissions) 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)**
2. The permittee shall handle all VOC and / or 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)**

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. The permittee shall not operate EU-BASE-CLEAR unless the RTO is installed, maintained, and operated in a satisfactory manner. Satisfactory operation of the RTO includes a minimum capture efficiency of 80 percent (by weight), a minimum VOC destruction efficiency of 95 percent (by weight), maintaining a minimum temperature of 1,450°F, and a minimum retention time of 0.5 seconds. **(R 336.1205(1)(a)(ii), R 336.1702(a), R 336.1910)**

2. The permittee shall install, calibrate, maintain, and operate in a satisfactory manner a temperature monitoring device in the combustion chamber of the RTO to monitor the temperature on a continuous basis during operation of EU-BASE-CLEAR. **(R 336.1702(a), R 336.1910)**
3. The permittee shall not operate EU-BASE-CLEAR unless the respective water wash particulate control systems are installed, maintained, and operated in a satisfactory manner. **(R 336.1224, R 336.1301, R 336.1910)**
4. The permittee shall equip and maintain each spray booth within EU-BASE-CLEAR with robotic HVLP applicators or comparable technology with equivalent transfer efficiency. For HVLP applicators, the permittee shall keep test caps available for pressure testing. **(R 336.1702)**

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 coating, 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 336.1702, R 336.2001, R 336.2003, R 336.2004, R 336.2040(5))**
2. Within 180 days from the commencement of trial operation of EU-BASE-CLEAR, the permittee shall verify VOC capture efficiency across EU-BASE-CLEAR by testing at owner's expense, in accordance with Department requirements. Testing shall be performed using an approved EPA Method listed in the table below.

Pollutant	Test Method Reference
VOC Capture Efficiency	40 CFR Part 51, Appendix M; 40 CFR Part 60, Appendix A

An alternate method, or a modification to the approved EPA Method, may be specified in an AQD-approved Test Protocol. 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 336.1225, R 336.1301, R 336.1331, R 336.2001, R 336.2003, R 336.2004, 40 CFR 52.21© & (d))**

3. Within 180 days from the commencement of trial operation of EU-BASE-CLEAR, the permittee shall verify VOC destruction efficiency across EU-BASE-CLEAR by testing at owner's expense, in accordance with Department requirements. Testing shall be performed using an approved EPA Method listed in the table below.

Pollutant	Test Method Reference
VOC Destruction Efficiency	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. 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 336.1225, R 336.1301, R 336.1331, 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 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)**

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 EU-BASE-CLEAR:
 - a) Gallons (with water) of each coating and clean-up solvent used and reclaimed (where applicable).
 - b) VOC content (with water) of each coating as applied and each clean-up solvent as used.
 - c) VOC mass emission calculations determining the monthly emission rates 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 336.1702)**

4. The permittee shall keep the following information on a monthly basis for EU-BASE-CLEAR:
 - a) Gallons (with water) of each coating and clean-up solvent used and reclaimed (where applicable).
 - b) VOC content (minus water and with water), acetone (CAS No. 67-64-1) content, and tert-butyl acetate (CAS No. 540-88-5) content of each coating as applied and each clean-up solvent as used.
 - c) VOC, acetone, and tert-butyl acetate mass emission calculations determining the monthly emission rates in tons per calendar month.
 - d) VOC, acetone, and tert-butyl acetate 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 336.1224, R 336.1702)**

5. The permittee shall monitor and record, in a satisfactory manner, the temperature in the combustion chamber of the RTO on a continuous basis, during operation of EU-BASE-CLEAR. Temperature data recording shall consist of measurements made at equally spaced intervals, not to exceed 15 minutes per interval. All records shall be kept on file and made available to the Department upon request. **(R 336.1702)**

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-BC-RTO	36	40	R 336.1225, 40 CFR 52.21(c) & (d)

IX. OTHER REQUIREMENT(S)

NA

Footnotes:

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

**EUBOOTH31
 EMISSION UNIT CONDITIONS**

DESCRIPTION

Coating line consisting of two coating booths (EUBOOTH31_1 and EUBOOTH31_2), followed by a flash zone and infrared cure oven, using water- and solvent-based coatings for plastic injection molded interior trim in automobiles.

Flexible Group ID: NA

POLLUTION CONTROL EQUIPMENT

Dry Filters (in each spray booth).

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period / Operating Scenario	Equipment	Monitoring / Testing Method	Underlying Applicable Requirements
1. VOCs	72.0 tpy	12-month rolling time period as determined at the end of each calendar month	EUBOOTH31	SC VI.3	R 336.1702(a)
2. VOC, Acetone (CAS No. 67-64-1), and tert-Butyl Acetate (CAS No. 540-88-5) combined	112.0 tpy	12-month rolling time period as determined at the end of each calendar month	EUBOOTH31	SC VI.4	R 336.1224, R 336.1702(a)
3. Glycol Ether DB (CAS No. 112-34-5)	1.27 tpy ¹	12-month rolling time period as determined at the end of each calendar month	EUBOOTH31	SC VI.5	R 336.1225(1)
4. Diethyl Glycol Monobutyl Ether Acetate (CAS No. 124-17-4)	1.01 tpy ¹	12-month rolling time period as determined at the end of each calendar month	EUBOOTH31	SC VI.6	R 336.1225(1)
5. VOCs	5.0 lb/gal (minus water) ^a as applied	Daily Volume Weighted Average	EUBOOTH31	SC V.1, SC VI.3	R 336.1702(d)

^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))**

II. MATERIAL LIMIT(S)

NA

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 336.1224, R 336.1702)**
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/or 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)**
4. The permittee shall not operate the cure oven within EUBOOTH31 at a temperature in excess of 194°F. **(R 336.1702(d))**

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. The permittee shall not operate EUBOOTH31 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 spray booth within EUBOOTH31 with robotic HVLP applicators or comparable technology with equivalent transfer efficiency. For HVLP applicators, the permittee shall keep test caps available for pressure testing. **(R 336.1702)**
3. The permittee shall install, calibrate, maintain, and operate in a satisfactory manner a device to monitor and record the cure oven temperature of the cure oven within EUBOOTH31 on a continuous basis. **(R 336.1702(d))**

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 coating, 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 336.1702, 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))**

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 336.1224, 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 calendar day basis for EUBOOTH31:
 - a) Gallons (with water) of each coating and clean-up solvent used and reclaimed (where applicable).
 - b) VOC content (minus water and with water) of each coating as applied and each clean-up solvent as used.
 - c) Daily records of the VOC emission calculations determining the daily volume-weighted average VOC content of the coatings, as applied

- d) VOC mass emission calculations determining the monthly emission rates 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 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 336.1224, R 336.1702)**

4. The permittee shall keep the following information on a monthly basis for EUBOOTH31:

- a) Gallons (with water) of each coating and clean-up solvent used and reclaimed (where applicable).
- b) VOC content (minus water and with water), acetone (CAS No. 67-64-1) content, and tert-butyl acetate (CAS No. 540-88-5) content of each coating as applied and each clean-up solvent as used.
- c) VOC, acetone, and tert-butyl acetate mass emission calculations determining the monthly emission rates in tons per calendar month.
- d) VOC, acetone, and tert-butyl acetate 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 336.1224, R 336.1702)**

5. The permittee shall keep the following information on a monthly basis for EUBOOTH31:

- a) Gallons (with water) of each glycol ether DB (CAS No. 112-34-5) containing material used.
- b) Where applicable, gallons (with water) of each glycol ether DB (CAS No. 112-34-5) containing material reclaimed.
- c) The glycol ether DB (CAS No. 112-34-5) content (with water) in pounds per gallon of each material used.
- d) Glycol ether DB (CAS No. 112-34-5) mass emission calculations determining the monthly emission rate in tons per calendar month.
- e) Glycol ether DB (CAS No. 112-34-5) 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. ¹ **(R 336.1225(1))**

6. The permittee shall keep the following information on a monthly basis for EUBOOTH31:

- a) Gallons (with water) of each diethyl glycol monobutyl ether acetate (CAS No. 124-17-4) containing material used.
- b) Where applicable, gallons (with water) of each diethyl glycol monobutyl ether acetate (CAS No. 124-17-4) containing material reclaimed.
- c) The diethyl glycol monobutyl ether acetate (CAS No. 124-17-4) content (with water) in pounds per gallon of each material used.
- d) Diethyl glycol monobutyl ether acetate (CAS No. 124-17-4) mass emission calculations determining the monthly emission rate in tons per calendar month.
- e) Diethyl glycol monobutyl ether acetate (CAS No. 124-17-4) 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. ¹ **(R 336.1225(1))**

7. The permittee shall keep, in a satisfactory manner, continuous records of the cure oven temperature for EUBOOTH31 as required by SC IV.3. Continuous temperature data recording shall consist of instantaneous measurements made at equally spaced intervals, not to exceed 15 minutes per interval. **(R 336.1702)**

8. The permittee shall keep, in a satisfactory manner, daily records indicating when EUBOOTH31_1 and EUBOOTH31_2 operate as EUBOOTH31. 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)**

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. SVBOOTH31_1_1	24	42	R 336.1225, 40 CFR 52.21(c) & (d)
2. SVBOOTH31_1_2	24	42	R 336.1225, 40 CFR 52.21(c) & (d)
3. SVBOOTH31_2_1	24	42	R 336.1225, 40 CFR 52.21(c) & (d)
4. SVBOOTH31_2_2	24	42	R 336.1225, 40 CFR 52.21(c) & (d)
5. SVBOOTH31_FLASH	16	42	R 336.1225, 40 CFR 52.21(c) & (d)

IX. OTHER REQUIREMENT(S)

NA

Footnotes:

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

EUBOOTH35_2
EMISSION UNIT CONDITIONS

DESCRIPTION

Coating booth using water-based and solvent-based coatings for plastic injection molded interior trim in automobiles. The booth uses HVLP robotic applicators and has a flash zone and an infrared cure oven shared with EUBOOTH35_1. The booth has two stacks. The booth may be used in conjunction with EUBOOTH35_1 when multiple layers of coating are required.

Flexible Group ID: FGBOOTH35

POLLUTION CONTROL EQUIPMENT

Dry Filters in each spray booth.

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period / Operating Scenario	Equipment	Monitoring / Testing Method	Underlying Applicable Requirements
1. VOC, Acetone (CAS No. 67-64-1), and tert-Butyl Acetate (CAS No. 540-88-5) combined	60.0 tpy	12-month rolling time period as determined at the end of each calendar month	EUBOOTH35_2	SC VI.3	R 336.1224, R 336.1702(a)
2. VOCs	5.0 lb/gal (minus water) ^a as applied	Daily Volume Weighted Average	EUBOOTH35_2	SC V.1, SC VI.3	R 336.1702(d)

^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))**

II. MATERIAL LIMIT(S)

NA

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 336.1224, R 336.1702)**
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/or 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)**
4. The permittee shall not operate the cure oven within EUBOOTH35_2 at a temperature in excess of 194°F. **(R 336.1702(d))**

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. The permittee shall not operate EUBOOTH35_2 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 the spray booths with robotic HVLP applicators or comparable technology with equivalent transfer efficiency. For HVLP applicators, the permittee shall keep test caps available for pressure testing. **(R 336.1702)**
3. The permittee shall install, calibrate, maintain, and operate in a satisfactory manner a device to monitor and record the temperature of the cure oven on a continuous basis. **(R 336.1702(d))**

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 coating, 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 336.1702, 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))**

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 336.1224, 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 calendar day basis for EUBOOTH35_2:
 - a) Gallons (with water) of each coating and clean-up solvent used and reclaimed (where applicable).
 - b) VOC content (minus water and with water), acetone (CAS No. 67-64-1) content, and tert-butyl acetate (CAS No. 540-88-5) content of each coating as applied and each clean-up solvent as used.
 - c) Daily records of the VOC emission calculations determining the daily volume-weighted average VOC content of the coatings, as applied.
 - d) VOC, acetone, and tert-butyl acetate combined mass emission calculations determining the monthly emission rates in tons per calendar month.
 - e) VOC, acetone, and tert-butyl acetate combined 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 336.1224, R 336.1702)**
4. The permittee shall keep, in a satisfactory manner, continuous records of the cure oven temperature as required by SC IV.3. Continuous temperature data recording shall consist of instantaneous measurements made at equally spaced intervals, not to exceed 15 minutes per interval. **(R 336.1702)**

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. SVBOOTH35_2_1	24	42.5	R 336.1225, 40 CFR 52.21(c) & (d)
2. SVBOOTH35_2_2	24	42.5	R 336.1225, 40 CFR 52.21(c) & (d)
3. SVBOOTH35_FLASH	16	42.5	R 336.1225, 40 CFR 52.21(c) & (d)

IX. OTHER REQUIREMENT(S)

NA

Footnotes:

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

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
FGBOOTH3	Three (3) booths for coating plastic injection molded interior trim. Each booth can use either water- or solvent-based coatings.	EUBOOTH35_1, EUBOOTH31_1, EUBOOTH31_2
FGBOOTH35	Two (2) booths for coating plastic injection molded interior trim used together for parts requiring multiple layers of coating. Each booth can use either water- or solvent-based coatings.	EUBOOTH35_1, EUBOOTH35_2

**FGBOOTHS
FLEXIBLE GROUP CONDITIONS**

DESCRIPTION

Three (3) booths for coating plastic injection molded interior trim. Each booth can use either water- or solvent-based coatings.

Emission Unit: EUBOOTH35_1, EUBOOTH31_1, EUBOOTH31_2

POLLUTION CONTROL EQUIPMENT

Dry Filters in each spray booth.

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period / Operating Scenario	Equipment	Monitoring / Testing Method	Underlying Applicable Requirements
1. VOCs	72.0 tpy	12-month rolling time period as determined at the end of each calendar month	FGBOOTHS	SC VI.3	R 336.1702(a)
2. VOC, Acetone (CAS No. 67-64-1), and tert-Butyl Acetate (CAS No. 540-88-5) combined	132.0 tpy	12-month rolling time period as determined at the end of each calendar month	FGBOOTHS	SC VI.3	R 336.1224, R 336.1702(a)
3. VOC, Acetone (CAS No. 67-64-1), and tert-Butyl Acetate (CAS No. 540-88-5) combined	60.0 tpy	12-month rolling time period as determined at the end of each calendar month	EUBOOTH35_1, EUBOOTH31_1, EUBOOTH31_2, Each Separately	SC VI.4	R 336.1224, R 336.1702(a)
4. Glycol Ether DB (CAS No. 112-34-5)	20.9 lb/24-hr ¹	Calendar Day	FGBOOTHS	SC VI.5	R 336.1225(1)
5. Triethylamine (CAS No. 121-44-8)	7.3 lb/24-hr ¹	Calendar Day	FGBOOTHS	SC VI.6	R 336.1225(1)
6. Formaldehyde (CAS No. 50-00-0)	152.6 lb/year ¹	12-month rolling time period as determined at the end of each calendar month	FGBOOTHS	SC VI.7	R 336.1225(1)
7. VOCs	5.0 lb/gal (minus water) ^a as applied	Daily Volume Weighted Average	EUBOOTH35_1, EUBOOTH31_1, EUBOOTH31_2, Each Separately	SC V.1, SC VI.3	R 336.1702(d)

^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))**

II. MATERIAL LIMIT(S)

- The permittee shall not use any coatings containing Diethyl Glycol Monobutyl Ether Acetate (CAS No. 124-17-4) in EUBOOTH31_1 or EUBOOTH31_2.¹ **(R 336.1225(1))**

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 336.1224, R 336.1702)**
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/or 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)**
4. The permittee shall not operate any of the cure ovens within FGBOOTHs at a temperature in excess of 194°F. **(R 336.1702(d))**

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. The permittee shall not operate EUBOOTH35_1, EUBOOTH31_1, or EUBOOTH31_2 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 spray booth within FGBOOTHs with robots and HVLP applicators or comparable technology with equivalent transfer efficiency. For HVLP applicators, the permittee shall keep test caps available for pressure testing. **(R 336.1702)**
3. The permittee shall install, calibrate, maintain, and operate in a satisfactory manner a device to monitor and record the cure oven temperature of each cure oven within FGBOOTHs on a continuous basis. **(R 336.1702(d))**

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 coating, 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 336.1702, 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))**

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 336.1224, 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 calendar day basis for FGBOOTHs:
- Gallons (with water) of each coating and clean-up solvent used and reclaimed (where applicable).
 - VOC content (minus water and with water), acetone (CAS No. 67-64-1) content, and tert-butyl acetate (CAS No. 540-88-5) content of each coating as applied and each clean-up solvent as used.
 - Daily records of the VOC emission calculations determining the daily volume-weighted average VOC content of the coatings, as applied, for EUBOOTH35_1, EUBOOTH31_1, and EUBOOTH31_2, each separately.
 - VOC mass emission calculations determining the monthly emission rates in tons per calendar month for each separately and combined.
 - VOC, acetone, and tert-butyl acetate combined mass emission calculations determining the monthly emission rates in tons per calendar month.
 - 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.
 - VOC, acetone, and tert-butyl acetate combined 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 336.1224, R 336.1702)**

4. The permittee shall keep the following information on a monthly basis for EUBOOTH35_1, EUBOOTH31_2, and EUBOOTH31_2, each separately:
- Gallons (with water) of each coating and clean-up solvent used and reclaimed (where applicable).
 - VOC content (minus water and with water), acetone (CAS No. 67-64-1) content, and tert-butyl acetate (CAS No. 540-88-5) content of each coating as applied and each clean-up solvent as used.
 - VOC, acetone, and tert-butyl acetate mass emission calculations determining the monthly emission rates in tons per calendar month.
 - VOC, acetone, and tert-butyl acetate 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 336.1224, R 336.1702)**

5. The permittee shall keep the following information on a daily basis for FGBOOTHs:
- Gallons (with water) of each glycol ether DB (CAS No. 112-34-5) containing material used.
 - Where applicable, gallons (with water) of each glycol ether DB (CAS No. 112-34-5) containing material reclaimed.
 - The glycol ether DB (CAS No. 112-34-5) content (with water) in pounds per gallon (or percent by weight and density) of each material used.
 - Glycol ether DB (CAS No. 112-34-5) mass emission calculations determining the daily emission rate in pounds per calendar day.

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.¹ **(R 336.1225(1))**

6. The permittee shall keep the following information on a daily basis for FGBOOTHs:
- Gallons (with water) of each triethylamine (CAS No. 121-44-8) containing material used.
 - Where applicable, gallons (with water) of each triethylamine (CAS No. 121-44-8) containing material reclaimed.
 - The triethylamine (CAS No. 121-44-8) content (with water) in pounds per gallon (or percent by weight and density) of each material used.
 - Triethylamine (CAS No. 121-44-8) mass emission calculations determining the daily emission rate in pounds per calendar day.

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.¹ **(R 336.1225(1))**

7. The permittee shall keep the following information on a monthly basis for FGBOOTHs:
- Gallons (with water) of each formaldehyde (CAS No. 50-00-0) containing material used.
 - Where applicable, gallons (with water) of each formaldehyde (CAS No. 50-00-0) containing material reclaimed.
 - The formaldehyde (CAS No. 50-00-0) content (with water) in pounds per gallon (or percent by weight and density) of each material used.
 - Formaldehyde (CAS No. 50-00-0) mass emission calculations determining the monthly emission rate in pounds per calendar month.
 - Formaldehyde (CAS No. 50-00-0) mass emission calculations determining the annual emission rate in pounds 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. ¹ **(R 336.1225(1))**

8. The permittee shall keep, in a satisfactory manner, continuous records of the cure oven temperatures for EUBOOTH35_1, EUBOOTH31_1, and EUBOOTH31_2, each separately, as required by SC IV.3. Continuous temperature data recording shall consist of instantaneous measurements made at equally spaced intervals, not to exceed 15 minutes per interval. **(R 336.1702)**

9. The permittee shall keep, in a satisfactory manner, daily records indicating when EUBOOTH31_1 and EUBOOTH31_2 operate as EUBOOTH31. 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)**

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. SVBOOTH35_1_1	24	42.5	R 336.1225, 40 CFR 52.21(c) & (d)
2. SVBOOTH35_1_2	24	42.5	R 336.1225, 40 CFR 52.21(c) & (d)
3. SVBOOTH31_1_1	24	42	R 336.1225, 40 CFR 52.21(c) & (d)
4. SVBOOTH31_1_2	24	42	R 336.1225, 40 CFR 52.21(c) & (d)
5. SVBOOTH31_2_1	24	42	R 336.1225, 40 CFR 52.21(c) & (d)
6. SVBOOTH31_2_2	24	42	R 336.1225, 40 CFR 52.21(c) & (d)

IX. OTHER REQUIREMENT(S)

NA

Footnotes:

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

**FGBOOTH35
 FLEXIBLE GROUP CONDITIONS**

DESCRIPTION

Two (2) booths for coating plastic injection molded interior trim used together for parts requiring multiple layers of coating. Each booth can use either water- or solvent-based coatings.

Emission Unit: EUBOOTH35_1, EUBOOTH35_2

POLLUTION CONTROL EQUIPMENT

Dry Filters in each spray booth.

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period / Operating Scenario	Equipment	Monitoring / Testing Method	Underlying Applicable Requirements
1. VOCs	72.0 tpy	12-month rolling time period as determined at the end of each calendar month	FGBOOTH35	SC VI.3	R 336.1702(a)
2. Glycol Ether DB (CAS No. 112-34-5)	2,700 lb/year ¹	12-month rolling time period as determined at the end of each calendar month	FGBOOTH35	SC VI.4	R 336.1225(1)
3. Diethyl glycol monobutyl ether acetate (CAS No. 124-17-4)	2,700 lb/year ¹	12-month rolling time period as determined at the end of each calendar month	FGBOOTH35	SC VI.5	R 336.1225(1)

II. MATERIAL LIMIT(S)

NA

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 336.1224, R 336.1702)**
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 / or 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)**
4. The permittee shall not operate the cure oven within FGBOOTH35 at a temperature in excess of 194°F. **(R 336.1702(d))**

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. The permittee shall not operate EUBOOTH35_1 or EUBOOTH35_2 unless their 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 spray booth within FGBOOTH35 with robotic HVLP applicators or comparable technology with equivalent transfer efficiency. For HVLP applicators, the permittee shall keep test caps available for pressure testing. **(R 336.1702)**
3. The permittee shall install, calibrate, maintain, and operate in a satisfactory manner a device to monitor and record the cure oven temperature of each cure oven within FGBOOTH35 on a continuous basis. **(R 336.1702(d))**

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 coating, 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 336.1702, 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))**

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 336.1224, 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 FGBOOTH35:
 - a) Gallons (with water) of each coating and clean-up solvent used and reclaimed (where applicable).
 - b) VOC content (minus water and with water) of each coating as applied and each clean-up solvent as used.
 - c) VOC mass emission calculations determining the monthly emission rates 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 336.1702)**

4. The permittee shall keep the following information on a monthly basis for FGBOOTH35:
 - a) Gallons (with water) of each glycol ether DB (CAS No. 112-34-5) containing material used.
 - b) Where applicable, gallons (with water) of each glycol ether DB (CAS No. 112-34-5) containing material reclaimed.
 - c) The glycol ether DB (CAS No. 112-34-5) content (with water) in pounds per gallon (or percent by weight and density) of each material used.
 - d) Glycol ether DB (CAS No. 112-34-5) mass emission calculations determining the monthly emission rate in pounds per calendar month.
 - e) Glycol ether DB (CAS No. 112-34-5) mass emission calculations determining the annual emission rate in pounds 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.¹ **(R 336.1225(1))**

5. The permittee shall keep the following information on a monthly basis for FGBOOTH35:
 - a) Gallons (with water) of each diethyl glycol monobutyl ether acetate (CAS No. 124-17-4) containing material used.
 - b) Where applicable, gallons (with water) of each diethyl glycol monobutyl ether acetate (CAS No. 124-1--4) containing material reclaimed.
 - c) The diethyl glycol monobutyl ether acetate (CAS No. 124-17-4) content (with water) in pounds per gallon (or percent by weight and density) of each material used.
 - d) Diethyl glycol monobutyl ether acetate (CAS No. 124-17-4) mass emission calculations determining the monthly emission rate in pounds per calendar month.
 - e) Diethyl glycol monobutyl ether acetate (CAS No. 124-17-4) mass emission calculations determining the annual emission rate in pounds 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.¹ **(R 336.1225(1))**

6. The permittee shall keep, in a satisfactory manner, continuous records of the cure oven temperatures for EUBOOTH35_1 and EUBOOTH35_2, each separately, as required by SC IV.3. Continuous temperature data recording shall consist of instantaneous measurements made at equally spaced intervals, not to exceed 15 minutes per interval. **(R 336.1702)**

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. SVBOOTH35_1_1	24	42.5	R 336.1225, 40 CFR 52.21(c) & (d)
2. SVBOOTH35_2_1	24	42.5	R 336.1225, 40 CFR 52.21(c) & (d)
3. SVBOOTH35_1_2	24	42.5	R 336.1225, 40 CFR 52.21(c) & (d)
4. SVBOOTH35_2_2	24	42.5	R 336.1225, 40 CFR 52.21(c) & (d)
5. SVBOOTH35_FLASH	16	42.5	R 336.1225, 40 CFR 52.21(c) & (d)

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

RTO (coating portion) on EU-BASE-CLEAR

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period / Operating Scenario	Equipment	Monitoring / Testing Method	Underlying Applicable Requirements
1. Each Individual HAP	Less than 9.0 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 22.5 tpy	12-month rolling time period as determined at the end of each calendar month	FGFACILITY	SC VI.2	R 336.1205(3)
3. VOCs	Less than 89 tpy	12-month rolling time period as determined at the end of each calendar month	FGFACILITY	SC VI.3	R 336.1205(3)
4. Ethylbenzene (CAS No. 100-41-4)	2.91 tpy ¹	12-month rolling time period as determined at the end of each calendar month	FGFACILITY	SC VI.4	R 336.1225(2)
5. Cumene (CAS No. 98-8-28)	0.33 tpy ¹	12-month rolling time period as determined at the end of each calendar month	FGFACILITY	SC VI.5	R 336.1225(2)

II. MATERIAL LIMIT(S)

Material	VOC Content Range	Limit	Time Period / Operating Scenario	Equipment	Monitoring / Testing Method	Underlying Applicable Requirements
1. Group 1 Coatings	0.00 - 1.41 lb/gal as applied	1,985 gallons	12-month rolling time period as determined at the end of each calendar month	EUBOOTH35_1, EUBOOTH35_2, EUBOOTH31_1, EUBOOTH31_2, EUBOOTH31, combined	SC VI.3	R 336.1205(1)(a)(ii)
2. Group 2 Coatings	1.42 – 1.82 lb/gal as applied	8,000 gallons	12-month rolling time period as determined at the end of each calendar month	EUBOOTH35_1, EUBOOTH35_2, EUBOOTH31_1, EUBOOTH31_2, EUBOOTH31, combined	SC VI.3	R 336.1205(1)(a)(ii)
3. Group 3 Coatings	1.83 – 2.50 lb/gal as applied	10,250 gallons	12-month rolling time period as determined at the end of each calendar month	EUBOOTH35_1, EUBOOTH35_2, EUBOOTH31_1, EUBOOTH31_2, EUBOOTH31, Combined	SC VI.3	R 336.1205(1)(a)(ii)
4. Group 4 Coatings	2.51 - 2.77 lb/gal as applied	28,000 gallons	12-month rolling time period as determined at the end of each calendar month	EUBOOTH35_1, EUBOOTH35_2, EUBOOTH31_1, EUBOOTH31_2, EUBOOTH31, Combined	SC VI.3	R 336.1205(1)(a)(ii)
5. Group 5 Coatings	2.78 - 2.87 lb/gal as applied	1,000 gallons	12-month rolling time period as determined at the end of each calendar month	EUBOOTH35_1, EUBOOTH35_2, EUBOOTH31_1, EUBOOTH31_2, EUBOOTH31, Combined	SC VI.3	R 336.1205(1)(a)(ii)
6. Group 6 Coatings	2.88 – 4.26 lb/gal as applied	2,000 gallons	12-month rolling time period as determined at the end of each calendar month	EUBOOTH35_1, EUBOOTH35_2, EUBOOTH31_1, EUBOOTH31_2, EUBOOTH31, combined	SC VI.3	R 336.1205(1)(a)(ii)

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 coating 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))**
2. The permittee shall determine the VOC content, water content, and density of any coating, 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(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))**

3. The permittee shall keep the following information on a monthly basis for FGFACILITY:
 - a) Gallons or pounds of each VOC containing material used and, if applicable, reclaimed.
 - b) VOC content (with water) in pounds per gallon of each VOC containing material used.
 - c) Gallons (with water) of each of the following coatings groups used per 12-month rolling time period as determined at the end of each calendar month, each separately:
 - i. Group 1 Coatings
 - ii. Group 2 Coatings
 - iii. Group 3 Coatings
 - iv. Group 4 Coatings
 - v. Group 5 Coatings
 - vi. Group 6 Coatings
 - d) VOC emission calculations determining the monthly emission rate in tons per calendar month.
 - e) VOC 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 336.1205(1)(a), R 336.1205(3))**

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

5. The permittee shall keep the following information on a monthly basis for FGFACILITY:
- Gallons (with water) of each cumene (CAS No. 98-82-8) containing material used.
 - Where applicable, gallons (with water) of each cumene (CAS No. 98-82-8) containing material reclaimed.
 - The cumene (CAS No. 98-82-8) content (with water) in pounds per gallon of each material used.
 - Cumene (CAS No. 98-82-8) mass emission calculations determining the monthly emission rate in tons per calendar month.
 - Cumene (CAS No. 98-82-8) 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.¹ **(R 336.1225(2))**

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).