

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

MAY 14, 2021

**PERMIT TO INSTALL  
57-07D**

**ISSUED TO  
M. ARGUESO & CO., INC DBA PARAMELT**

**LOCATED AT  
2817 MCCRAKEN STREET  
MUSKEGON, MICHIGAN 49441**

**IN THE COUNTY OF  
MUSKEGON**

**STATE REGISTRATION NUMBER  
N7764**

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: <b>April 26, 2021</b>	
DATE PERMIT TO INSTALL APPROVED: <b>May 14, 2021</b>	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 <sub>2e</sub>	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 <sub>2</sub> S	Hydrogen Sulfide
kW	Kilowatt
lb	Pound
m	Meter
mg	Milligram
mm	Millimeter
MM	Million
MW	Megawatts
NMOC	Non-Methane Organic Compounds
NO <sub>x</sub>	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 <sub>2</sub>	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
EU-1	This system services tanks M-1 through M-7 and R-4. This emission unit consists of a 7,500 cfm Tri-Mer Whirl Wet orifice type wet dust collector, designed for particulate control.	08-01-2007 / Date of PTI Issuance	FG-EU1-2-3-4-5
EU-2	This system services tanks R-1 through R-3, R-5, and R-7 through R-10, R-13, and R-14. This emission unit is comprised of an aluminum mesh pre- filter, and a 5,000 cfm Tri-Mer Whirl Wet orifice type wet collector for particulate control, connected to a 3,000- pound carbon adsorption bed system for VOC control.	08-01-2007 / Date of PTI Issuance	FG-EU1-2-3-4-5
EU-3	This system services Hot Boxes HB-1 and HB-2 and tanks S-1, S-2, V-1 and V-2. This emission unit consists of a 4,500 cfm Tri-Mer Whirl Wet orifice type wet dust collector, designed for particulate control.	08-22-2017	FG-EU1-2-3-4-5
EU-4	This system services tanks R-11 and R-12. This emission unit consists of a 3,000 cfm Tri-Mer Whirl Wet orifice type wet dust collector, designed for particulate control.	08-22-2017	FG-EU1-2-3-4-5
EU-5	Hotmelt tank used to hold 30,000 pounds of hotmelt wax. Emissions are controlled by a Tri Mer box filter.	To Be Determined	FG-EU1-2-3-4-5

Changes to the equipment described in this table are subject to the requirements of R 336.1201, except as allowed by R 336.1278 to R 336.1291.

## FLEXIBLE GROUP SPECIAL CONDITIONS

### FLEXIBLE GROUP SUMMARY TABLE

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

<b>Flexible Group ID</b>	<b>Flexible Group Description</b>	<b>Associated Emission Unit IDs</b>
FG-EU1-2-3-4-5	Production of advanced technology casting wax blends for the investment casting industry as well as hot melt adhesives for the packaging industry. The process involves the melting, addition, and blending of some or all of waxes, resins, fillers, additives, colors, and scents in steam-heated tanks. The formulated waxes are sent to holding tanks prior to being formed into pellets, flakes, and slabs (EU-1 through EU-5).	EU-1, EU-2, EU-3, EU-4, EU-5

**FG-EU-1-2-3-4-5**  
**FLEXIBLE GROUP CONDITIONS**

**DESCRIPTION**

Production of advanced technology casting wax blends for the investment casting industry as well as hot melt adhesives for the packaging industry. The process involves the melting, addition, and blending of some or all of waxes, resins, fillers, additives, colors, and scents in steam-heated tanks. The formulated waxes are sent to holding tanks prior to being formed into pellets, flakes, and slabs (EU-1 through EU-5).

**Emission Unit:** EU-1, EU-2, EU-3, EU-4, EU-5

**POLLUTION CONTROL EQUIPMENT**

Each emission unit with a wet dust collector system to control particulate matter, Only EU-2 with carbon adsorption bed system to control odor

**I. EMISSION LIMIT(S)**

<b>Pollutant</b>	<b>Limit</b>	<b>Time Period / Operating Scenario</b>	<b>Equipment</b>	<b>Testing / Monitoring Method</b>	<b>Underlying Applicable Requirements</b>
1. Opacity	10 percent	6-minute Average	EU-1, EU-2, EU-3, EU-4, EU-5, each separately	SC VI.4, SC VI.5	R 336.1301(c)
2. PM	0.01 lbs per 1,000 lbs of gas <sup>a</sup>	Hourly	EU-1	SC V.2	R 336.1331
3. PM2.5	0.31 pph	Hourly	EU-1	SC V.3	40 CFR 52.21 Subparts (c) & (d)
4. PM10	0.31 pph	Hourly	EU-1	SC V.3	40 CFR 52.21 Subparts (c) & (d)
5. PM	0.01 lbs per 1,000 lbs of gas <sup>a</sup>	Hourly	EU-2	SC V.2	R 336.1331
6. PM2.5	0.20 pph	Hourly	EU-2	SC V.3	40 CFR 52.21 Subparts (c) & (d)
7. PM10	0.20 pph	Hourly	EU-2	SC V.3	40 CFR 52.21 Subparts (c) & (d)
8. PM	0.01 lbs per 1,000 lbs of gas <sup>a</sup>	Hourly	EU-3	SC V.2	R 336.1331
9. PM2.5	0.18 pph	Hourly	EU-3	SC V.3	40 CFR 52.21 Subparts (c) & (d)
10. PM10	0.18 pph	Hourly	EU-3	SC V.3	40 CFR 52.21 Subparts (c) & (d)

Pollutant	Limit	Time Period / Operating Scenario	Equipment	Testing / Monitoring Method	Underlying Applicable Requirements
11. PM	0.01 lbs per 1,000 lbs of gas <sup>a</sup>	Hourly	EU-4	SC V.2	R 336.1331
12. PM2.5	0.12 pph	Hourly	EU-4	SC V.3	40 CFR 52.21 Subparts (c) & (d)
13. PM10	0.12 pph	Hourly	EU-4	SC V.3	40 CFR 52.21 Subparts (c) & (d)
14. PM2.5	0.1 pph	Hourly	EU-5	SC V.3	40 CFR 52.21 Subparts (c) & (d)
15. PM10	0.1 pph	Hourly	EU-5	SC V.3	40 CFR 52.21 Subparts (c) & (d)
16. PM	0.01 lbs per 1,000 lbs of gas <sup>a</sup>	Hourly	EU-5	SC V.2	R 336.1331
17. VOC	22.0 tpy	12-month rolling time period as determined at the end of each calendar month	FG-EU-1-2-3-4-5	SC VI.6	R 336.1702(a)

<sup>a</sup> Calculated on a dry gas basis

## II. MATERIAL LIMIT(S)

- The permittee shall not melt any material containing more than 0.04% vinyl acetate (CAS No. 108-05-4) in EU-5. **(R 336.1225)**

## III. PROCESS/OPERATIONAL RESTRICTION(S)

- The permittee shall recover and reclaim, recycle, or dispose of all waste waxes, resins, additives, colors, scents, *etc.* (materials) in an acceptable manner in compliance with all applicable state rules and federal regulations. **(R 336.1224, R 336.1702(a))**
- The permittee shall not operate FG-EU-1-2-3-4-5 unless a malfunction abatement plan (MAP) as described in Rule 911(2), for each dust collector system and a carbon adsorption bed system, has been submitted within 30 days of permit issuance, and is implemented and maintained. The MAP shall, at a minimum, specify the following:
  - A complete preventative maintenance program including identification of the supervisory personnel responsible for overseeing the inspection, maintenance, and repair of air-cleaning devices, a description of the items or conditions that shall be inspected, the frequency of the inspections or repairs, and an identification of the major replacement parts that shall be maintained in inventory for quick replacement.
  - An identification of the source and air-cleaning device operating variables that shall be monitored to detect a malfunction or failure, the normal operating range of these variables, and a description of the method of monitoring or surveillance procedures.
  - A description of the corrective procedures or operational changes that shall be taken in the event of a malfunction or failure to achieve compliance with the applicable emission limits.

If at any time the MAP fails to address or inadequately addresses an event that meets the characteristics of a malfunction, the permittee shall amend the MAP within 45 days after such an event occurs. The permittee shall also amend the MAP within 45 days, if new equipment is installed or upon request from the District Supervisor. The permittee shall submit the MAP and any amendments to the MAP to the AQD District Supervisor for review and approval. If the AQD does not notify the permittee within 90 days of submittal, the MAP or amended MAP shall be considered approved. Until an amended plan is approved, the permittee shall

implement corrective procedures or operational changes to achieve compliance with all applicable emission limits. **(R 336.1225, R 336.1331, R 336.1702(a), R 336.1901, R 336.1910, R 336.1911, 40 CFR 52.21(c) and (d))**

#### **IV. DESIGN/EQUIPMENT PARAMETER(S)**

1. The permittee shall not operate EU-1, EU-2, EU-3, EU-4, and EU-5 unless their respective wet dust collector is installed, maintained, and operated in a satisfactory manner. **(R 336.1205, R 336.1224, R 336.1225, R 336.1331, R 336.1910, 40 CFR 52.21(c) and (d))**
2. The permittee shall not operate EU-2 unless the carbon adsorption bed system is installed, maintained, and operated in a satisfactory manner. Satisfactory operation of the carbon adsorption bed system includes operation of the carbon adsorption bed according to the manufacturer's recommendation and as specified in the MAP. **( R 336.1901, R 336.1910)**
3. The permittee shall install, calibrate, maintain and operate in a satisfactory manner a device to monitor and record the pressure into the carbon adsorption bed system for EU-2 portion of FG-EU-1-2-3-4-5 on a continuous basis. **(R 336.1901,)**

#### **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 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. Upon request from the AQD District Supervisor, the permittee shall verify PM emission rates from FG-EU-1-2-3-4-5 by testing at the owner's expense, in accordance with the Department requirements. Testing shall be performed using an approved EPA Method listed in 40 CFR Part 60, Appendix A; Part 10 of the Michigan Air Pollution Control Rules. 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 336.1331, R 336.1910)**
3. Upon request from the AQD District Supervisor, the permittee shall verify PM10 and PM2.5 emission rates from FG-EU-1-2-3-4-5 by testing at the owner's expense, in accordance with the Department requirements. Testing shall be performed using an approved EPA Method listed in 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 336.1910, 40 CFR 52.21 Subparts (c) & (d))**
4. Upon request by the District Supervisor, the permittee shall verify the outlet concentration of the carbon adsorption bed system for EU-2 in ppm according to the manufacturer's recommendation and as specified in the MAP, by testing at owner's expense, in accordance with Department requirements. Testing shall be performed using an approved EPA Method listed in 40 CFR Part 60, Appendix A and 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 336.1901, R 336.1902, R 336.1910, R 336.2001, R 336.2003, R 336.2004)**

5. Upon request by the District Supervisor, the permittee must verify the vinyl acetate content of materials used on EU-5 by testing at the owner's expense, in accordance with Department requirements. Testing shall be performed using an EPA Method 8260B. 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 336.1225)**

## **VI. MONITORING/RECORDKEEPING**

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

1. The permittee shall complete all required calculations in a format acceptable to the AQD District Supervisor and make them available by the 15<sup>th</sup> day of the calendar month, for the previous calendar month, unless otherwise specified in any monitoring/recordkeeping special condition. **(R 336.1205, 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 at the site and make them available to the Department upon request. **(R 336.1224, R 336.1225, R 336.1301, R 336.1331, R 336.1225, R 336.1702)**
3. The permittee shall monitor and record, in a satisfactory manner, the pressure into the carbon adsorption bed system for EU-2 portion of FG-EU-1-2-3-4-5 on daily basis in a manner and with instrumentation acceptable to the Air Quality Division. The permittee shall keep all records on file at the site and make them available to the Department upon request. **(R 336.1901, R 336.1910)**
4. The permittee shall monitor each wet dust collector system to verify it is operating properly, by taking visible emission readings for each emission unit of FG-EU-1-2-3-4-5 a minimum of once per calendar day that any emission unit operates. Either a certified or non-certified reader shall take each visible emission reading during routine operating conditions. Multiple stacks may be observed simultaneously. If any visible emissions (other than uncombined water vapor) are observed, the permittee shall immediately inspect the appropriate wet dust collector system and perform any required maintenance. **(R 336.1205, R 336.1224, R 336.1225, R 336.1331, R 336.1910, 40 CFR 52.21(c) and (d))**
5. The permittee shall keep, in a satisfactory manner, records of all visible emission readings for each emission unit of FG-EU-1-2-3-4-5. At a minimum, records shall include the date, time, name of observer/reader, whether the reader is certified, and status of visible emissions. The permittee shall keep all records on file at the facility and make them available to the Department upon request. **(R 336.1205, R 336.1301, R 336.1331, R 336.1910, 40 CFR 52.21(c) and (d))**
6. The permittee shall keep the following information on a calendar month basis for the FG-EU-1-2-3-4-5:
  - a) Gallons or pounds of (with water) of each material used and reclaimed.
  - b) VOC content (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.

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(a))**

7. The permittee shall keep records of vinyl acetate (CAS No. 108-05-4) containing materials on-site in the form of Material Safety Data Sheets, including the vinyl acetate content of each material used in EU-5. **(R 336.1225)**

**VII. REPORTING**

1. Within 30 days after completion of the installation, construction, reconstruction, relocation, or modification of each emission unit of EU-5 authorized by this Permit to Install, the permittee or the authorized agent pursuant to Rule 204, shall notify the AQD District Supervisor, in writing, of the completion of the activity. Completion of the installation, construction, reconstruction, relocation, or modification is considered to occur not later than commencement of trial operation of each emission unit of EU-5. **(R 336.1201(7)(a))**

**VIII. STACK/VENT RESTRICTIONS**

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

<b>Stack &amp; Vent ID</b>	<b>Maximum Exhaust Diameter/ Dimensions (inches)</b>	<b>Minimum Height Above Ground (feet)</b>	<b>Underlying Applicable Requirements</b>
1. SV-1	36	55	R 336.1225, 40 CFR 52.21(c) & (d)
2. SV-2	12	43	R 336.1225, 40 CFR 52.21(c) & (d)
3. SV-3	12	43	R 336.1225, 40 CFR 52.21(c) & (d)
4. SV-4	12	43	R 336.1225, 40 CFR 52.21(c) & (d)
5. SV-5	14	55	R 336.1225, 40 CFR 52.21(c) & (d)

**IX. OTHER REQUIREMENTS**

NA

**Footnotes:**

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

## FG FACILITY CONDITIONS

### DESCRIPTION

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

### POLLUTION CONTROL EQUIPMENT

NA

#### I. EMISSION LIMIT(S)

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

#### II. MATERIAL LIMIT(S)

NA

#### III. PROCESS/OPERATIONAL RESTRICTION(S)

NA

#### IV. DESIGN/EQUIPMENT PARAMETER(S)

NA

#### V. TESTING/SAMPLING

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

1. The permittee shall determine the HAP content of any material as applied and as received, 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 15<sup>th</sup> 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 for FG-Facility on a calendar month basis:
  - 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 in a format acceptable to the AQD District Supervisor and make them available to the Department upon request. **(R 336.1205(3))**

**VII. REPORTING**

NA

**VIII. STACK/VENT RESTRICTION(S)**

NA

**IX. OTHER REQUIREMENT(S)**

NA