

**MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY  
AIR QUALITY DIVISION**

May 31, 2016

**PERMIT TO INSTALL**  
12-05A

**ISSUED TO**  
tesa tape, Inc.

**LOCATED AT**  
324 South Union Street  
Sparta, Michigan

**IN THE COUNTY OF**  
Kent

**STATE REGISTRATION NUMBER**  
B8860

The Air Quality Division has approved this Permit to Install, pursuant to the delegation of authority from the Michigan Department of Environmental Quality. This permit is hereby issued in accordance with and subject to Section 5505(1) of Article II, Chapter I, Part 55, Air Pollution Control, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended. Pursuant to Air Pollution Control Rule 336.1201(1), this permit constitutes the permittee's authority to install the identified emission unit(s) in accordance with all administrative rules of the Department and the attached conditions. Operation of the emission unit(s) identified in this Permit to Install is allowed pursuant to Rule 336.1201(6).

DATE OF RECEIPT OF ALL INFORMATION REQUIRED BY RULE 203: <b>April 20, 2016</b>	
DATE PERMIT TO INSTALL APPROVED: <b>May 31, 2016</b>	SIGNATURE:
DATE PERMIT VOIDED:	SIGNATURE:
DATE PERMIT REVOKED:	SIGNATURE:

## PERMIT TO INSTALL

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**Common Abbreviations / Acronyms**

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

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

### GENERAL CONDITIONS

1. The process or process equipment covered by this permit shall not be reconstructed, relocated, or modified, unless a Permit to Install authorizing such action is issued by the Department, except to the extent such action is exempt from the Permit to Install requirements by any applicable rule. **(R 336.1201(1))**
2. If the installation, construction, reconstruction, relocation, or modification of the equipment for which this permit has been approved has not commenced within 18 months, or has been interrupted for 18 months, this permit shall become void unless otherwise authorized by the Department. Furthermore, the permittee or the designated authorized agent shall notify the Department via the Supervisor, Permit Section, Air Quality Division, Michigan Department of Environmental Quality, P.O. Box 30260, Lansing, Michigan 48909-7760, if it is decided not to pursue the installation, construction, reconstruction, relocation, or modification of the equipment allowed by this Permit to Install. **(R 336.1201(4))**
3. If this Permit to Install is issued for a process or process equipment located at a stationary source that is not subject to the Renewable Operating Permit program requirements pursuant to R 336.1210, operation of the process or process equipment is allowed by this permit if the equipment performs in accordance with the terms and conditions of this Permit to Install. **(R 336.1201(6)(b))**
4. The Department may, after notice and opportunity for a hearing, revoke this Permit to Install if evidence indicates the process or process equipment is not performing in accordance with the terms and conditions of this permit or is violating the Department's rules or the Clean Air Act. **(R 336.1201(8), Section 5510 of Act 451, PA 1994)**
5. The terms and conditions of this Permit to Install shall apply to any person or legal entity that now or hereafter owns or operates the process or process equipment at the location authorized by this Permit to Install. If the new owner or operator submits a written request to the Department pursuant to R 336.1219 and the Department approves the request, this permit will be amended to reflect the change of ownership or operational control. The request must include all of the information required by subrules (1)(a), (b), and (c) of R 336.1219 and shall be sent to the District Supervisor, Air Quality Division, Michigan Department of Environmental Quality. **(R 336.1219)**
6. Operation of this equipment shall not result in the emission of an air contaminant which causes injurious effects to human health or safety, animal life, plant life of significant economic value, or property, or which causes unreasonable interference with the comfortable enjoyment of life and property. **(R 336.1901)**
7. The permittee shall provide notice of an abnormal condition, start-up, shutdown, or malfunction that results in emissions of a hazardous or toxic air pollutant which continue for more than one hour in excess of any applicable standard or limitation, or emissions of any air contaminant continuing for more than two hours in excess of an applicable standard or limitation, as required in Rule 912, to the Department. The notice shall be provided not later than two business days after start-up, shutdown, or discovery of the abnormal condition or malfunction. Written reports, if required, must be filed with the Department within 10 days after the start-up or shutdown occurred, within 10 days after the abnormal conditions or malfunction has been corrected, or within 30 days of discovery of the abnormal condition or malfunction, whichever is first. The written reports shall include all of the information required in Rule 912(5). **(R 336.1912)**
8. Approval of this permit does not exempt the permittee from complying with any future applicable requirements which may be promulgated under Part 55 of 1994 PA 451, as amended or the Federal Clean Air Act.
9. Approval of this permit does not obviate the necessity of obtaining such permits or approvals from other units of government as required by law.
10. Operation of this equipment may be subject to other requirements of Part 55 of 1994 PA 451, as amended and the rules promulgated thereunder.

11. Except as provided in subrules (2) and (3) or unless the special conditions of the Permit to Install include an alternate opacity limit established pursuant to subrule (4) of R 336.1301, the permittee shall not cause or permit to be discharged into the outer air from a process or process equipment a visible emission of density greater than the most stringent of the following. The grading of visible emissions shall be determined in accordance with R 336.1303. **(R 336.1301)**
  - a) A six-minute average of 20 percent opacity, except for one six-minute average per hour of not more than 27 percent opacity.
  - b) A visible emission limit specified by an applicable federal new source performance standard.
  - c) A visible emission limit specified as a condition of this Permit to Install.
  
12. Collected air contaminants shall be removed as necessary to maintain the equipment at the required operating efficiency. The collection and disposal of air contaminants shall be performed in a manner so as to minimize the introduction of contaminants to the outer air. Transport of collected air contaminants in Priority I and II areas requires the use of material handling methods specified in R 336.1370(2). **(R 336.1370)**
  
13. The Department may require the permittee to conduct acceptable performance tests, at the permittee's expense, in accordance with R 336.2001 and R 336.2003, under any of the conditions listed in R 336.2001. **(R 336.2001)**

**SPECIAL CONDITIONS**

**EMISSION UNIT SUMMARY TABLE**

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

<b>Emission Unit ID</b>	<b>Emission Unit Description (Process Equipment &amp; Control Devices)</b>	<b>Installation Date / Modification Date</b>	<b>Flexible Group ID</b>
EU-WB-Coat-Ln	Waterborne coating Line: The pressure sensitive tape is coated with waterborne adhesive and dried in a natural gas fired oven. Also, the process is equipped with adhesive tanks and an adhesive mixing area.	TBD	FG-Facility
EUCOATER2591	Coating manufacturing, including the mixing room, and film coating line with coating stations for primer, release coating and adhesive. The line is equipped with a non-fugitive enclosure and a thermal oxidizer to control VOC emissions. The granulator portion is controlled by a baghouse for particulate control.	01-19-2005	FG-Facility
Changes to the equipment described in this table are subject to the requirements of R 336.1201, except as allowed by R 336.1278 to R 336.1290.			

**The following conditions apply to: EU-WB-Coat-Ln**

**DESCRIPTION:** Waterborne coating Line: The pressure sensitive tape is coated with waterborne adhesive and dried in a natural gas fired oven. Also, the process is equipped with adhesive tanks and an adhesive mixing area.

**Flexible Group ID:** FG-Facility

**POLLUTION CONTROL EQUIPMENT:** Dry filters to control particulate matter

**I. EMISSION LIMITS**

Pollutant	Limit	Time Period / Operating Scenario	Equipment	Testing / Monitoring Method	Underlying Applicable Requirements
1. VOC	45.0 tpy	12-month rolling time period as determined at the end of each calendar month	EU-WB-Coat-Ln	SC VI.3	R 336.1702(a)
2. Ethylene Oxide (CAS No. 75-21-8)	0.4 tpy	12-month rolling time period as determined at the end of each calendar month	EU-WB-Coat-Ln	SC VI.4	R 336.1225(1)

**II. MATERIAL LIMITS**

Material	Limit	Time Period / Operating Scenario	Equipment	Testing / Monitoring Method	Underlying Applicable Requirements
1. VOC	0.3 lb/gal (minus water) <sup>a</sup> as applied	Instantaneous	EU-WB-Coat-Ln	SC V.1, SC VI.3	R 336.1702(a)
<sup>a</sup> 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. <b>(R 336.1602(4))</b>					

### **III. PROCESS/OPERATIONAL RESTRICTIONS**

1. The permittee shall recover and reclaim, recycle, or dispose of base polymer, resin, filler, softener, thickener, antioxidant, deformer, and base (materials) used for EU-WB-Coat-Ln in accordance with all applicable air regulations. **(R 336.1224, R 336.1702(a))**
2. The permittee shall capture all waste materials and shall store them in closed containers. The permittee shall dispose of all waste materials in an acceptable manner in compliance with all applicable state rules and federal regulations. **(R 336.1224, R 336.1702(a))**
3. 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)**
4. 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(a))**

### **IV. DESIGN/EQUIPMENT PARAMETERS**

1. The permittee shall not operate EU-WB-Coat-Ln 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 EU-WB-Coat-Ln with roller applicators or comparable technology with equivalent transfer efficiency. **(R 336.1702(a))**

### **V. TESTING/SAMPLING**

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

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 336.1205, R 336.1225, R 336.1702, R 336.2001, R 336.2003, R 336.2004, R 336.2040(5))**



## **VI. MONITORING/RECORDKEEPING**

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

1. The permittee shall complete all required calculations in a format acceptable to the AQD District Supervisor by the 30<sup>th</sup> day of the calendar month, for the previous calendar month, unless otherwise specified in any monitoring/recordkeeping special condition. **(R 336.1225, R 336.1702)**
2. The permittee shall maintain a current listing from the manufacturer of the chemical composition of each material, including the weight percent of each component. The data may consist of Material Safety Data Sheets, manufacturer's formulation data, or both as deemed acceptable by the AQD District Supervisor. The permittee shall keep all records on file and make them available to the Department upon request. **(R 336.1224, R 336.1225, R 336.1702)**
3. The permittee shall keep the following information on a calendar month basis for EU-WB-Coat-Ln:
  - a) Gallons (with water) of each VOC containing base polymer, resin, filler, softener, thickener, antioxidant, deformer, base, and cleanup solvents (materials) used and reclaimed.
  - b) VOC content (minus water and with water) of each material as applied.
  - c) VOC mass emission calculations determining the monthly emission rate in tons per calendar month.
  - d) VOC mass emission calculations determining the annual emission rate in tons per 12-month rolling time period as determined at the end of each calendar month.

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))**

4. The permittee shall keep the following information on a calendar month basis for EU-WB-Coat-Ln:
  - a) Gallons (with water) of each ethylene oxide (CAS No. 75-21-8) containing material used.
  - b) Where applicable, gallons (with water) of each ethylene oxide (CAS No. 75-21-8) containing material reclaimed.
  - c) The ethylene oxide (CAS No. 75-21-8) content (with water) in pounds per gallon of each material used.
  - d) Ethylene oxide (CAS No. 75-21-8) mass emission calculations determining the monthly emission rate in tons per calendar month.
  - e) Ethylene oxide (CAS No. 75-21-8) 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.<sup>1</sup> **(R 336.1225(1))**

## **VII. REPORTING**

1. Within 30-days after the completion of the installation, construction, reconstruction, relocation, or modification authorized by this Permit to Install, the permittee or authorized agent per Rule 204, shall notify the AQD District Supervisor, in writing, of the completion of the activity. Completion of the installation, construction, reconstruction, relocation, or modification is considered to occur not later than commencement of trial operation of EU-WB-Coat-Ln. **(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-WB-Coat-Ln	30	76	R 336.1225, 40 CFR 52.21(c) & (d)

### **IX. OTHER REQUIREMENTS**

1. The permittee shall not operate EU-WB-Coat-Ln unless all provisions of the Federal Standards of Performance for New Stationary Sources as specified in 40 CFR, Part 60, Subparts A and RR are met. **(40 CFR Part 60, Subparts A and RR)**

#### **Footnotes:**

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

**The following conditions apply to: EUCOATER2591**

**DESCRIPTION:** Coating manufacturing, including the mixing room, and film coating line with coating stations for primer, release coating and adhesive.

**Flexible Group ID:** FG-Facility

**POLLUTION CONTROL EQUIPMENT:** The line is equipped with a non-fugitive enclosure (NFE) and a thermal oxidizer to control VOC emissions. The granulator portion is controlled by a baghouse for particulate control

**I. EMISSION LIMITS**

<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. VOC	25.0 tpy	12-month rolling time period as determined at the end of each calendar month	EUCOATER2591	SC VI.2, SC VI.3	R 336.1702(a), R 336.1205
2. VOC	The coating line shall meet one of the following requirements:  a) Emission limit of 0.20 kg VOC/kg of coating solids applied as calculated on a weighted average basis for one calendar month. Or b) Demonstrate a 90 percent overall VOC emission reduction as calculated over a calendar month or the percent overall VOC emission reduction specified in subsection 60.443(b) of 40 CFR Part 60 subpart RR.	Test Protocol	EUCOATER2591	SC VI.2, SC VI.3	40 CFR Part 60, Subpart RR
3. PM	0.1 lbs per 1000 lbs of exhaust gasses*	Test Protocol	The granulator portion of EUCOATER2591	GC 13	R 336.1331, 40 CFR 52,21 (c) & (d)
* Calculated on a dry gas basis					

**II. MATERIAL LIMITS**

NA

### **III. PROCESS/OPERATIONAL RESTRICTIONS**

1. The permittee shall not operate EUCOATER2591 unless a minimum temperature of 1,375°F and a minimum retention time of 0.5 seconds in the thermal oxidizer is maintained. **(R 336.1224, R 336.1225, R 336.1702(a), R 336.910)**
2. The permittee shall not operate EUCOATER2591 unless the approved preventative maintenance plan, or an alternate plan approved by the AQD District Supervisor, is implemented and maintained. The plan shall include procedures for maintaining and operating in a satisfactory manner the non-fugitive enclosure controlling EUCOATER2591, including all equipment listed under EUCOATER2591. It shall also address satisfactory operation during malfunction events, and a program for corrective action for such events. If the preventative maintenance plan fails to address or inadequately addresses an event that meets the characteristics of a malfunction at the time the plan is initially developed, the owner or operator shall revise the preventative maintenance plan within 45 days after such an event occurs and submit the revised plan to the AQD District Supervisor. **(R 336.1225, R 336.1702(a), R 336.910, R 336.911)**

### **IV. DESIGN/EQUIPMENT PARAMETERS**

1. The permittee shall not operate the granulator portion of EUCOATER2591 unless the dust collector is installed, maintained, and operated in a satisfactory manner. **(R 336.1301, R 336.1331, R 336.1910)**
2. The permittee shall not operate EUCOATER2591 unless the condensers are installed, maintained, and operated in a satisfactory manner. **(R 336.1225, R 336.1702(a), R 336.1910)**
3. The permittee shall not operate EUCOATER2591 unless the thermal oxidizer is installed, maintained, and operated in a satisfactory manner. Satisfactory operation of the thermal oxidizer includes a minimum VOC destruction efficiency of 97 percent and maintaining a minimum temperature of 1,375°F and a minimum retention time of 0.5 seconds. **(R 336.1225, R 336.1702(a), R 336.1910)**
4. The permittee shall not operate any portion of EUCOATER3591 unless the non-fugitive enclosure is installed, maintained and operated in a satisfactory manner. Satisfactory operation requires that the non-fugitive enclosure is operating at a pressure lower than all adjacent areas, so that air flows into the non-fugitive enclosure through all natural draft openings (NDOs). NDO is defined as any opening that is not connected to a duct in which a fan or blower is installed. **(R 336.1225, R 336.1702(a), R 336.1910)**

### **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 336.1205, R 336.1225, R 336.1702, R 336.2001, R 336.2003, R 336.2004, R 336.2040(5))**
2. Upon request from AQD District Supervisor, verification of the capture efficiency of the non-fugitive enclosure by testing at owner's expense, in accordance with Department requirements is required. No less than 60 days prior to testing, a complete test plan shall be submitted to the AQD. The final plan must be approved by the AQD prior to testing. **(R 336.1225, R 336.1702(a), R 336.2001, R 336.2003, R 336.2004)**

## **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 30<sup>th</sup> day of the calendar month, for the previous calendar month, unless otherwise specified in any monitoring/recordkeeping special condition. **(R 336.1225, R 336.1702(a))**
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 336.1225, R 336.1702)**
3. The permittee shall keep the following information on a calendar month basis for EUCOATER2591:
  - a) The quantity, in gallons, liters or kilograms, of each coating used.
  - b) VOC content (minus water and with water) of each coating as applied.
  - c) Where applicable, gallons or pounds of each coating reclaimed.
  - d) VOC mass emission calculations determining the monthly emission rate in tons per calendar month.
  - e) VOC mass emission calculations determining the annual emission rate in tons per 12-month rolling time period as determined at the end of each calendar month.
  - f) VOC emission rate in kilograms per kilogram of solids applied

The permittee shall keep the records using mass balance, or an alternative method and format acceptable to the AQD District Supervisor. The permittee shall keep all records on file and make them available to the Department upon request. **(R 336.1225, R 336.1702(a))**

4. The permittee shall keep records of all verifications of the direction of air flow at the non-fugitive enclosure natural draft openings. All records shall be kept on file for a period of at least five years and made available to the Department upon request. **(R 336.1224, R 336.1225, R 336.1702)**
5. Each semi-annually, the permittee shall verify that the direction of air flow at each natural draft opening (NDO) of the non-fugitive enclosure for EUCOATER2591 is into the non-fugitive enclosure. The verification of the direction of air flow at the NDOs shall be conducted using the smoke tube test method, or an alternate method. The permittee shall submit a notice of the anticipated test date to the District Office no later than two weeks prior to the test date and a complete test report shall be submitted to the District Supervisor within 30 days after the completion of the testing. All test methods, plans, and procedures shall be approved by the AQD prior to testing. After two consecutive tests demonstrate that the direction of air flow at all NDOs is into the non-fugitive enclosure, the permittee may request that the monitoring schedule be revised to a less frequent time period as approved by the District Supervisor. **(R 336.1224, R 336.1225, R 336.1702(a))**
6. The permittee shall install, calibrate, maintain and operate in a satisfactory manner a device to monitor and record the temperature in EUCOATER2591 at the combustion outlet on a continuous basis. **(R 336.1225, R 336.1702(a))**

## **VII. REPORTING**

NA

**VIII. STACK/VENT RESTRICTIONS**

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

<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. SVINCINERATOR02	55	35	R 336.1225, 40 CFR 52.21(c) & (d)
2. SVBAGHOUSE	24 x 24	26.5	R 336.1225, 40 CFR 52.21(c) & (d)

**IX. OTHER REQUIREMENTS**

1. The permittee shall not operate EUCOATER2591 unless all provisions of the Federal Standards of Performance for New Stationary Sources as specified in 40 CFR, Part 60, Subparts A and RR are met. **(40 CFR Part 60, Subparts A and RR)**

**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-Facility	All process equipment source-wide including equipment covered by other permits, grand-fathered equipment and exempt equipment.	NA

**The following conditions apply Source-Wide to: FG-Facility**

**DESCRIPTION:** All process equipment source-wide including equipment covered by other permits, grand-fathered equipment and exempt equipment.

**POLLUTION CONTROL EQUIPMENT:** NA

**I. EMISSION LIMITS**

<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. Each Individual HAP	Less than 9.0 tpy	12-month rolling time period as determined at the end of each calendar month	FG-Facility	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	FG-Facility	SC VI.2	R 336.1205(3)

**III. PROCESS/OPERATIONAL RESTRICTIONS**

NA

**IV. DESIGN/EQUIPMENT PARAMETERS**

NA

**V. TESTING/SAMPLING**

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

1. The permittee shall determine the HAP content of any base polymer, resin, filler, softener, thickener, antioxidant, deformer, base, coating, and cleanup solvents (materials) as received and as applied, using manufacturer's formulation data. Upon request of the AQD District Supervisor, the permittee shall verify the manufacturer's HAP formulation data using EPA Test Method 311. **(R 336.1205(3))**



**VI. MONITORING/RECORDKEEPING**

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

1. The permittee shall complete all required calculations in a format acceptable to the AQD District Supervisor by the 30<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 on a calendar month basis for FG-Facility:
  - a) Gallons or pounds of each HAP containing material used.
  - b) Where applicable, gallons or pounds of each HAP containing material reclaimed.
  - c) HAP content, in pounds per gallon or pounds per pound, of each HAP containing material used.
  - d) Individual and aggregate HAP emission calculations determining the monthly emission rate of each in tons per calendar month.
  - e) Individual and aggregate HAP emission calculations determining the annual emission rate of each in tons per 12-month rolling time period as determined at the end of each calendar month.

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

**VII. REPORTING**

NA

**VIII. STACK/VENT RESTRICTIONS**

NA

**IX. OTHER REQUIREMENTS**

NA