

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

December 27, 2019

**PERMIT TO INSTALL**  
208-89D

**ISSUED TO**  
Perrigo Company, PLC

**LOCATED AT**  
Plant 5, 500 Eastern Avenue  
Allegan, Michigan

**IN THE COUNTY OF**  
Allegan

**STATE REGISTRATION NUMBER**  
B7276

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>November 12, 2019</b>	
DATE PERMIT TO INSTALL APPROVED: <b>December 27, 2019</b>	SIGNATURE:
DATE PERMIT VOIDED:	SIGNATURE:
DATE PERMIT REVOKED:	SIGNATURE:

## PERMIT TO INSTALL

### Table of Contents

COMMON ACRONYMS .....	2
POLLUTANT / MEASUREMENT ABBREVIATIONS.....	3
GENERAL CONDITIONS .....	4
EMISSION UNIT SPECIAL CONDITIONS.....	6
EMISSION UNIT SUMMARY TABLE .....	6
EUCOATINGPAN049 .....	7
FLEXIBLE GROUP SPECIAL CONDITIONS.....	10
FLEXIBLE GROUP SUMMARY TABLE .....	10
FGPLANT5 .....	11
APPENDIX A: Predicted Ambient Impacts and Allowable Concentrations for EUCOATINGPAN049 .	15

## 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>2</sub> 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 <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 conditions or malfunction has been corrected, or within 30 days of discovery of the abnormal condition or malfunction, whichever is first. The written reports shall include all of the information required in Rule 912(5). **(R 336.1912)**
8. Approval of this permit does not exempt the permittee from complying with any future applicable requirements which may be promulgated under Part 55 of 1994 PA 451, as amended or the Federal Clean Air Act.
9. Approval of this permit does not obviate the necessity of obtaining such permits or approvals from other units of government as required by law.
10. Operation of this equipment may be subject to other requirements of Part 55 of 1994 PA 451, as amended and the rules promulgated thereunder.

11. Except as provided in subrules (2) and (3) or unless the special conditions of the Permit to Install include an alternate opacity limit established pursuant to subrule (4) of Rule 301, the permittee shall not cause or permit to be discharged into the outer air from a process or process equipment a visible emission of density greater than the most stringent of the following. The grading of visible emissions shall be determined in accordance with Rule 303 (R 336.1303). **(R 336.1301)**
  - a) A six-minute average of 20 percent opacity, except for one six-minute average per hour of not more than 27 percent opacity.
  - b) A visible emission limit specified by an applicable federal new source performance standard.
  - c) A visible emission limit specified as a condition of this Permit to Install.
12. Collected air contaminants shall be removed as necessary to maintain the equipment at the required operating efficiency. The collection and disposal of air contaminants shall be performed in a manner so as to minimize the introduction of contaminants to the outer air. Transport of collected air contaminants in Priority I and II areas requires the use of material handling methods specified in Rule 370(2). **(R 336.1370)**
13. The Department may require the permittee to conduct acceptable performance tests, at the permittee's expense, in accordance with Rule 1001 and Rule 1003, under any of the conditions listed in Rule 1001. **(R 336.2001)**

**EMISSION UNIT SPECIAL CONDITIONS**

**EMISSION UNIT SUMMARY TABLE**

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

<b>Emission Unit ID</b>	<b>Emission Unit Description (Including Process Equipment &amp; Control Device(s))</b>	<b>Installation Date / Modification Date</b>	<b>Flexible Group ID</b>
EUCOATINGPAN042	Accela Cota tablet coating pan with a Torit dust collector for control with Equipment Identification Number (EIN) 109506.	March 2005	FGPLANT5
EUCOATINGPAN043	Accela Cota tablet coating pan with a Torit dust collector for control with EIN 116897.	April 1980/ August 2012	FGPLANT5
EUCOATINGPAN044	Accela Cota tablet coating pans with a Torit dust collector for control with EIN 116896.	April 1980/ August 2012	FGPLANT5
EUCOATINGPAN045	Accela Cota tablet coating pan with a Torit dust collector for control with EIN 111532.	May 2008	FGPLANT5
EUCOATINGPAN046	Accela Cota tablet coating pan with a Torit dust collector for control with EIN 102120.	April 1980	FGPLANT5
EUCOATINGPAN047	Accela Cota tablet coating pan with a Torit dust collector for control with EIN 102457.	April 1980	FGPLANT5
EUCOATINGPAN048	Accela Cota tablet coating pan with a Torit dust collector for control with EIN 102465.	April 1980	FGPLANT5
EUCOATINGPAN049	Accela Cota tablet coating pan with a Torit dust collector for control.	TDB	NA
EUCOMPRESS1	Compression Area 1. Emissions are controlled by dust collector 1 with EIN 107002.	April 1980	FGPLANT5
EUCOMPRESS2	Compression Area 2. Emissions are controlled by dust collector 2 with EIN 107006.	April 1980	FGPLANT5
EUCOMPRESS3	Compression Area 3. Emissions are controlled by dust collector 3 with EIN 111454.	April 2008	FGPLANT5
EUVAC1	Compression Area Vacuum. Emissions are controlled by a dust collector with EIN 101778.	April 1980	FGPLANT5

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.

**EUCOATINGPAN049  
EMISSION UNIT CONDITIONS**

**DESCRIPTION**

Accela Cota tablet coating pan with a Torit dust collector for control.

**Flexible Group:** NA

**POLLUTION CONTROL EQUIPMENT**

Cartridge dust collector DCS5.

**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. PM <sup>1</sup>	0.05 pph	Hourly	EUCOATINGPAN049	SC VI.3	R 336.1224, R 336.1225

**II. MATERIAL LIMIT(S)**

1. The permittee shall not use a material in EUCOATINGPAN049 if any of the following is true for the material.<sup>1</sup> **(R 336.1225)**
  - a) It has an AQD screening level less than the predicted ambient impact in Appendix A for the averaging time associated with the screening level.
  - b) A note associated with an AQD screening level applies to the material an additional screening level less than the predicted ambient impact in Appendix A for the averaging time associated with the additional screening level.
  - c) It has an allowable concentration less than the predicted ambient impact in Appendix A for the averaging time associated with the allowable concentration.

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

NA

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

1. The permittee shall not operate EUCOATINGPAN049 unless the associated dust collector is installed, maintained, and operated in a satisfactory manner. Satisfactory operation of each of the dust collectors includes submitting an operation and maintenance plan for approval to the District Supervisor within 60 days after permit approval. **(R 336.1225, R 336.1331, R 336.1910)**
2. The permittee shall equip and maintain the dust collector with a differential pressure monitoring device. **(R 336.1225, R 336.1331, R 336.1910)**

**V. TESTING/SAMPLING**

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

NA

## **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 records in a format acceptable to the AQD District Supervisor by the last day of the calendar month, for the previous calendar month, unless otherwise specified in any monitoring/recordkeeping special condition. **(R 336.1225, R 336.1910)**
2. The permittee shall keep, in a satisfactory manner, records of dust collector inspection data and corrective actions resulting from implementation of the dust collector operation & maintenance plan required by SC IV.1. **(R 336.1910)**
3. Before using in EUCOATINGPAN049 any material for which the permittee requests an AQD toxics determination for EUCOATINGPAN049 pursuant to SC VII.1, the permittee shall follow the procedure below.<sup>1</sup> **(R 336.1225)**
  - a) The permittee shall determine whether the material is a TAC, based on the definition of toxic air contaminant in Rule 120 (R 336.1120).
  - b) The permittee shall record all the following:
    - i. The material's name and either its Chemical Abstract Service Registry Number (CAS Number) or another identifier specific to the substance. If no CAS Number or other publicly available identifier is available, the chemical structure or partial chemical structure must be recorded in enough detail to adequately describe the compound.
    - ii. If applicable, the basis for determining the material is not a TAC, including resources used to make this determination.
    - iii. If the permittee determines the material is a TAC, the allowable concentration and averaging time the permittee determines for the TAC, including resources used to make this determination.
    - iv. The maximum one-hour emission rate for the material, which is the emission limit in SC I.1.
    - v. The active permit number.
    - vi. The date when the permittee proposes to begin using the material in EUCOATINGPAN049.
  - c) The permittee shall not use the material in EUCOATINGPAN049 until after one of the following has occurred:
    - i. The permittee has received AQD communication that the material is not a TAC.
    - ii. The permittee has received AQD communication of the allowable concentration(s) and averaging time(s) for the material.
    - iii. Thirty days have passed since submitting the report specified in SC VII.1.
4. The permittee shall keep a record of all materials processed in EUCOATINGPAN049 during each calendar month. The record shall also include the information listed in a), b), and c) below for each material meeting one of the following criteria.<sup>1</sup> **(R 336.1225)**
  - The material is listed in the Table of Materials in Appendix A or addressed in note A to the table.
  - The permittee has requested an AQD toxics determination for EUCOATINGPAN049 for the material.
  - a) Name
  - b) CAS Number or another identifier specific to the substance. If no CAS Number or other publicly available identifier is available, the chemical structure or partial chemical structure must be recorded in enough detail to adequately describe the compound.
  - c) One of the following, whichever is applicable:
    - i. AQD screening level and the associated averaging time
    - ii. Allowable concentration and the associated averaging time
    - iii. Basis for determining the material is not a TAC.

## **VII. REPORTING**

1. This condition applies to any material for which the permittee requests an AQD toxics determination for EUCOATINGPAN049. No less than 30 days before first using the material in EUCOATINGPAN049, the permittee shall submit all records required by SC VI.3.b to the AQD District Supervisor in an acceptable format. The AQD will do one of the following within 30 days of receipt of the submittal.<sup>1</sup> **(R 336.1225)**
  - a) Communicate that the material is not a TAC.
  - b) Communicate one or more allowable concentrations and associated averaging times the permittee shall use for the material for compliance with SC II.1.

**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:

<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. SVDCS5	24 <sup>1</sup>	52 <sup>1</sup>	R 336.1225, 40 CFR 52.21 (c) & (d)

**IX. OTHER REQUIREMENT(S)**

NA

**Footnotes:**

<sup>1</sup> 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.

<b>Flexible Group ID</b>	<b>Flexible Group Description</b>	<b>Associated Emission Unit IDs</b>
FGPLANT5	Plant 5 production operations.	EUCOATINGPAN042, EUCOATINGPAN043, EUCOATINGPAN044, EUCOATINGPAN045, EUCOATINGPAN046, EUCOATINGPAN047, EUCOATINGPAN048, EUCOMPRESS1, EUCOMPRESS2, EUCOMPRESS3, EUVAC1

**FGPLANT5  
 FLEXIBLE GROUP CONDITIONS**

**DESCRIPTION**

Production operations in Plant 5.

**Emission Unit:** EUCOATINGPAN042, EUCOATINGPAN043, EUCOATINGPAN044, EUCOATINGPAN045, EUCOATINGPAN046, EUCOATINGPAN047, EUCOATINGPAN048, EUCOMPRESS1, EUCOMPRESS2, EUCOMPRESS3, EUVAC1

**POLLUTION CONTROL EQUIPMENT**

Various dust collectors.

**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. PM <sup>1</sup>	0.35 tpy	12-month rolling time period as determined at the end of each calendar month.	EUCOATINGPAN042, EUCOATINGPAN043, EUCOATINGPAN044, EUCOATINGPAN045, EUCOATINGPAN046, EUCOATINGPAN047, and EUCOATINGPAN048 combined	GC 13	R 336.1225
2. PM <sup>1</sup>	0.0068 pph	Test Protocol*	EUCOMPRESS1	GC 13	R 336.1225
3. PM <sup>1</sup>	0.0068 pph	Test Protocol*	EUCOMPRESS2	GC 13	R 336.1225
4. PM <sup>1</sup>	0.032 pph	Test Protocol*	EUCOMPRESS3	GC 13	R 336.1225
5. PM <sup>1</sup>	0.0045 pph	Test Protocol*	EUVAC1	GC 13	R 336.1225
6. VOC	10.1 tpy	12-month rolling time period as determined at the end of each calendar month.	EUCOATINGPAN042, EUCOATINGPAN043, EUCOATINGPAN044, EUCOATINGPAN045, EUCOATINGPAN046, EUCOATINGPAN047, and EUCOATINGPAN048 combined, when using aqueous based coatings.	GC 13, SC VI.3, VI.5	R 336.1225, R 336.1702(a)
7. VOC	16.6 tpy	12-month rolling time period as determined at the end of each calendar month.	EUCOATINGPAN042, EUCOATINGPAN043, EUCOATINGPAN044, EUCOATINGPAN045, EUCOATINGPAN046, EUCOATINGPAN047, and EUCOATINGPAN048 combined, when using solvent based coatings.	GC 13, SC VI.3, VI.5	R 336.1225, R 336.1702(a)

Pollutant	Limit	Time Period / Operating Scenario	Equipment	Monitoring / Testing Method	Underlying Applicable Requirements
8. VOC	36 tpy	12-month rolling time period as determined at the end of each calendar month.	FGPLANT 5 isopropyl alcohol use	GC 13, SC VI.3, VI.6	R 336.1225 R 336.1702(a)
9. Each individual HAP	Less than 9 tpy	12-month rolling time period as determined at the end of each calendar month.	FGPLANT5	GC 13, SC VI.3, VI.6	R 336.1225 R 336.1702(a)
10. Total HAPS	Less than 10 tpy	12-month rolling time period as determined at the end of each calendar month.	FGPLANT5	GC 13, SC VI.3, VI.6	R 336.1225 R 336.1702(a)

\* Test Protocol shall specify averaging time.

**II. MATERIAL LIMIT(S)**

- The permittee shall limit the usage in FGPLANT5 of each raw material such that the ratio of the amount of each raw material used to the total raw material usage does not exceed the ratio of the allowable concentration to the predicted ambient impact, based on a 12-month rolling time period, as determined at the end of each calendar month, as described in equation 1 below. For each raw material with an AQD established screening level, the allowable concentration shall be the AQD screening level. For each raw material listed in the table below, the allowable concentration listed in the table below shall be used. If the AQD develops a raw material specific screening level for a raw material listed in the table below, the permittee may use the AQD screening level instead of the allowable concentration listed in the table below. For raw materials not listed below for which there is no AQD screening level, the allowable concentration shall be determined according to Rules 231 and 232 (R 336.1231 and R 336.1232), except that the allowable concentration shall not exceed 15 µg/m<sup>3</sup> on an annual average. For each raw material, the predicted ambient impact used shall have the same averaging time as the allowable concentration.<sup>1</sup> **(R 336.1225)**

Equation 1:  $RMR = AC/PAI$ , where

RMR is the allowed raw material ratio for each raw material (raw material usage divided by total raw material throughput)

AC is the allowable concentration (AQD screening level or value from the table below if there is no AQD screening level for the raw material)

PAI is the predicted ambient impact for total particulate matter, as listed below for each averaging time:

1 hour PAI = 2.68 µg/m<sup>3</sup>  
 24 hour PAI = 1.32 µg/m<sup>3</sup>

8 hour PAI = 1.86 µg/m<sup>3</sup>  
 Annual PAI = 0.126 µg/m<sup>3</sup>

Raw Material	Allowable Concentration (µg/m <sup>3</sup> )	Concentration Averaging Time	Raw Material	Allowable Concentration (µg/m <sup>3</sup> )	Concentration Averaging Time
acetaminophen	15	Annual	naproxen sodium	15	Annual
microcrystalline cellulose	15	Annual	croscarmellose	15	Annual
ibuprofen	15	Annual			

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

NA

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

1. The permittee shall not operate any emission unit in FGPLANT5 unless the associated dust collector is installed, maintained, and operated in a satisfactory manner. Proper operation of each of the dust collectors includes submitting an operation and maintenance plan for approval to the District Supervisor within 60 days after permit approval. **(R 336.1225, R 336.1331, R 336.1910)**
2. The permittee shall equip and maintain each dust collector with a differential pressure monitoring device. **(R 336.1225, R 336.1331, R 336.1910)**

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

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

NA

#### **VI. MONITORING/RECORDKEEPING**

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

1. The permittee shall keep, in a satisfactory manner, records of dust collector inspection data and corrective actions resulting from implementation of the dust collector operation & maintenance plan required by SC IV.1. **(R 336.1225, R 336.1331, R 336.1910)**
2. The permittee shall complete all required calculations in a format acceptable to the AQD District Supervisor by the last day of the calendar month, for the previous calendar month, unless otherwise specified in any monitoring/recordkeeping special condition. **(R 336.1225, R 336.1702(a))**
3. The permittee shall keep, in a satisfactory manner, the following records for each batch of product produced: **(R 336.1225, R 336.1331, R 336.1702(a))**
  - a) Product identification number.
  - b) Amount, in Kg, of each product produced per month.
  - c) Amount, in Kg, of the coating applied per product.
  - d) Weight-percent of each VOC contained in each coating.
  - e) Weight-percent of each HAP contained in each coating.
4. The permittee shall keep, in a satisfactory manner, monthly production records for FGPLANT5 to show compliance with the material usage limits in SC II.1 on file at the facility and make them available to the Department upon request.<sup>1</sup> **(R 336.1225)**
5. The permittee shall keep, in a satisfactory manner, monthly and 12-month rolling time period, as determined at the end of each calendar month, VOC and PM emission rate calculations for EUCOATINGPAN042, EUCOATINGPAN043, EUCOATINGPAN044, EUCOATINGPAN045, EUCOATINGPAN046, EUCOATINGPAN047, and EUCOATINGPAN048 on file at the facility and make them available to the Department upon request. **(R 226.1225, R 336.1702(a))**
6. The permittee shall keep, in a satisfactory manner, monthly and 12-month rolling time period, as determined at the end of each calendar month, VOC, individual HAP, and total HAP emission rate calculations for FGPLANT5 on file at the facility and make them available to the Department upon request. **(R 226.1225, R 336.1702(a))**

#### **VII. REPORTING**

1. Text. **(AR in Bold)**

**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:

<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. SVCP042	15 <sup>1</sup>	34 <sup>1</sup>	R 336.1225
2. SVCP043/044	19 <sup>1</sup>	34 <sup>1</sup>	R 336.1225
3. SVCP045	19 <sup>1</sup>	42 <sup>1</sup>	R 336.1225
4. SVCP046	19 <sup>1</sup>	42 <sup>1</sup>	R 336.1225
5. SVCP047	19 <sup>1</sup>	42 <sup>1</sup>	R 336.1225
6. SVCP048	19 <sup>1</sup>	42 <sup>1</sup>	R 336.1225
7. SV-DCS-1	8 <sup>1</sup>	33 <sup>1</sup>	R 336.1225
8. SV-DCS-2	10 <sup>1</sup>	33 <sup>1</sup>	R 336.1225
9. SV-DCS-3	16 <sup>1</sup>	55.6 <sup>1</sup>	R 336.1225
10. SV-VCS-3	8 <sup>1</sup>	39.3 <sup>1</sup>	R 336.1225
11. SV-DCS-4	16 <sup>1</sup>	55.6 <sup>1</sup>	R 336.1225

**IX. OTHER REQUIREMENT(S)**

NA

**Footnotes:**

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

**APPENDIX A: Predicted Ambient Impacts and Allowable Concentrations for  
 EUCOATINGPAN049**

Predicted Ambient Impacts for EUCOATINGPAN049 as determined for PTI No. 208-89D

<b>Averaging time</b>	<b>Impact, <math>\mu\text{g}/\text{m}^3</math></b>
One hour	3.4
Eight hours	1.43
24 hours	0.9
Annual	0.108

PTI application No. 208-89D identified the following materials as emitted from EUCOATINGPAN049. A predicted ambient impact (PAI) equal to or lower than the "Allowable Concentration" for each material represents a PAI that was determined to meet the requirement of Rule 225 for EUCOATINGPAN049 for PTI No. 208-89D.

**Table of Materials**

<b>Material</b>	<b>CAS Number</b>	<b>Allowable Concentration (<math>\mu\text{g}/\text{m}^3</math>)<sup>A</sup></b>	<b>Concentration Averaging Time<sup>A</sup></b>
Ibuprofen	15687-27-1	12	Annual

<sup>A</sup> The following applies to materials not listed in the Table of Materials above that have AQD screening levels:

1. If an AQD screening level for a material not listed in the Table of Materials above is used as the allowable concentration for a material, the averaging time for the allowable concentration shall be the averaging time associated with that AQD screening level. A material may have more than one AQD screening level. For the permittee to use such a material in EUCOATINGPAN049, each screening level for that material must equal or exceed the PAI for the associated averaging time, as noted above in the table of PAIs.
2. Only initial threshold screening levels or initial risk screening levels may be used as allowable concentrations. No secondary risk screening level shall be used as an allowable concentration.
3. Some AQD screening levels include a note with additional information or requirements. For the permittee to use such a material in EUCOATINGPAN049, in addition to the requirement in item 1 above, each screening level applied to that material in an applicable note must also equal or exceed the PAI for the associated averaging time, as noted above in the table of PAIs.