MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION

January 31, 2014

PERMIT TO INSTALL
489-99E

ISSUED TO
Depor Industries, Inc.

LOCATED AT
1902 Northwood
Troy, Michigan

IN THE COUNTY OF
Oakland

STATE REGISTRATION NUMBER
N7599

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: **January 9, 2014**	
DATE PERMIT TO INSTALL APPROVED: **January 31, 2014**	SIGNATURE:
DATE PERMIT VOIDED:	SIGNATURE:
DATE PERMIT REVOKED:	SIGNATURE:

PERMIT TO INSTALL

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Common Abbreviations / Acronyms

Common Acronyms		Pollutant/Measurement Abbreviations	
AQD	Air Quality Division	BTU	British Thermal Unit
BACT	Best Available Control Technology	°C	Degrees Celsius
CAA	Clean Air Act	CO	Carbon Monoxide
CEM	Continuous Emission Monitoring	dscf	Dry standard cubic foot
CFR	Code of Federal Regulations	dscm	Dry standard cubic meter
COM	Continuous Opacity Monitoring	°F	Degrees Fahrenheit
EPA	Environmental Protection Agency	gr	Grains
EU	Emission Unit	Hg	Mercury
FG	Flexible Group	hr	Hour
GACS	Gallon of Applied Coating Solids	H_2S	Hydrogen Sulfide
GC	General Condition	hp	Horsepower
HAP	Hazardous Air Pollutant	lb	Pound
HVLP	High Volume Low Pressure *	m	Meter
ID	Identification	mg	Milligram
LAER	Lowest Achievable Emission Rate	mm	Millimeter
MACT	Maximum Achievable Control Technology	MM	Million
MAERS	Michigan Air Emissions Reporting System	MW	Megawatts
MAP	Malfunction Abatement Plan	ng	Nanogram
MDNRE	Michigan Department of Natural Resources and Environment (Department)	NO_x	Oxides of Nitrogen
MSDS	Material Safety Data Sheet	PM	Particulate Matter
NESHAP	National Emission Standard for Hazardous Air Pollutants	PM10	PM less than 10 microns diameter
NSPS	New Source Performance Standards	PM2.5	PM less than 2.5 microns diameter
NSR	New Source Review	ppd	Pound per day
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	Reasonably 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_2	Sulfur Dioxide
SRN	State Registration Number	THC	Total Hydrocarbons
TAC	Toxic Air Contaminant	tpy	Tons per year
TEQ	Toxicity Equivalence Quotient	µg	Microgram
VE	Visible Emissions	VOC	Volatile Organic Compounds
		yr	Year

* For High Volume Low Pressure (HVLP) applicators, the pressure measured at the HVLP gun air cap shall not exceed ten (10) pounds per square inch gauge (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, if it is decided not to pursue the installation, construction, reconstruction, relocation, or modification of the equipment allowed by this Permit to Install. **(R 336.1201(4))**

3. If this Permit to Install is issued for a process or process equipment located at a stationary source that is not subject to the Renewable Operating Permit program requirements pursuant to R 336.1210, operation of the process or process equipment is allowed by this permit if the equipment performs in accordance with the terms and conditions of this Permit to Install. **(R 336.1201(6)(b))**

4. The Department may, after notice and opportunity for a hearing, revoke this Permit to Install if evidence indicates the process or process equipment is not performing in accordance with the terms and conditions of this permit or is violating the Department's rules or the Clean Air Act. **(R 336.1201(8), Section 5510 of Act 451, PA 1994)**

5. The terms and conditions of this Permit to Install shall apply to any person or legal entity that now or hereafter owns or operates the process or process equipment at the location authorized by this Permit to Install. If the new owner or operator submits a written request to the Department pursuant to R 336.1219 and the Department approves the request, this permit will be amended to reflect the change of ownership or operational control. The request must include all of the information required by subrules (1)(a), (b), and (c) of R 336.1219 and shall be sent to the District Supervisor, Air Quality Division, Michigan Department of Environmental Quality. **(R 336.1219)**

6. Operation of this equipment shall not result in the emission of an air contaminant which causes injurious effects to human health or safety, animal life, plant life of significant economic value, or property, or which causes unreasonable interference with the comfortable enjoyment of life and property. **(R 336.1901)**

7. The permittee shall provide notice of an abnormal condition, start-up, shutdown, or malfunction that results in emissions of a hazardous or toxic air pollutant which continue for more than one hour in excess of any applicable standard or limitation, or emissions of any air contaminant continuing for more than two hours in excess of an applicable standard or limitation, as required in Rule 912, to the Department. The notice shall be provided not later than two business days after start-up, shutdown, or discovery of the abnormal condition or malfunction. Written reports, if required, must be filed with the Department within 10 days after the start-up or shutdown occurred, within 10 days after the abnormal conditions or malfunction has been corrected, or within 30 days of discovery of the abnormal condition or malfunction, whichever is first. The written reports shall include all of the information required in Rule 912(5). **(R 336.1912)**

8. Approval of this permit does not exempt the permittee from complying with any future applicable requirements which may be promulgated under Part 55 of 1994 PA 451, as amended or the Federal Clean Air Act.

9. Approval of this permit does not obviate the necessity of obtaining such permits or approvals from other units of government as required by law.

10. Operation of this equipment may be subject to other requirements of Part 55 of 1994 PA 451, as amended and the rules promulgated thereunder.

11. Except as provided in subrules (2) and (3) or unless the special conditions of the Permit to Install include an alternate opacity limit established pursuant to subrule (4) of R 336.1301, the permittee shall not cause or permit to be discharged into the outer air from a process or process equipment a visible emission of density greater than the most stringent of the following. The grading of visible emissions shall be determined in accordance with R 336.1303. **(R 336.1301)**
    a) A six-minute average of 20 percent opacity, except for one six-minute average per hour of not more than 27 percent opacity.
    b) A visible emission limit specified by an applicable federal new source performance standard.
    c) A visible emission limit specified as a condition of this Permit to Install.

12. Collected air contaminants shall be removed as necessary to maintain the equipment at the required operating efficiency. The collection and disposal of air contaminants shall be performed in a manner so as to minimize the introduction of contaminants to the outer air. Transport of collected air contaminants in Priority I and II areas requires the use of material handling methods specified in R 336.1370(2). **(R 336.1370)**

13. The Department may require the permittee to conduct acceptable performance tests, at the permittee's expense, in accordance with R 336.2001 and R 336.2003, under any of the conditions listed in R 336.2001. **(R 336.2001)**

SPECIAL CONDITIONS

EMISSION UNIT SUMMARY TABLE

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

Emission Unit ID	Emission Unit Description (Process Equipment & Control Devices)	Installation Date/ Modification Date	Flexible Group ID
EU-AcidCleaning-01	An acid cleaning tank which uses sulfuric acid (CAS No. 7664-93-9) for pickling metal parts. Stack ID: SV-AcidCleaning-01	03/27/2000 07/16/2010	FGAcidCleaningLns, FG-Facility
EU-AcidCleaning-02	An acid cleaning tank which uses sulfuric acid (CAS No. 7664-93-9) for pickling metal parts. Stack ID: SV-AcidCleaning-02	03/27/2000 07/16/2010	FGAcidCleaningLns, FG-Facility
EU-DipCoating-01	Dip-spin coating line No. 1 for surface coating of miscellaneous metal parts equipped with an air collection system and a regenerative thermal oxidizer (RTO) for VOC reduction. Stack ID: SV-RTO	03/27/2000 07/16/2010	FGDipCoatingLns, FG-Facility
EU-DipCoating-02	Dip-spin coating line No. 2 for surface coating of miscellaneous metal parts equipped with an air collection system and a RTO for VOC reduction. Stack ID: SV-RTO	03/27/2000 07/16/2010	FGDipCoatingLns, FG-Facility
EU-DipCoating-03	Dip-spin coating line No. 3 for surface coating of miscellaneous metal parts equipped with an air collection system and a RTO for VOC reduction. Stack ID: SV-RTO	03/27/2000 07/16/2010	FGDipCoatingLns, FG-Facility
EU-DipCoating-04	Dip-spin coating line No. 4 for surface coating of miscellaneous metal parts equipped with an air collection system and a RTO for VOC reduction. Stack ID: SV-RTO	03/27/2000 07/16/2010	FGDipCoatingLns, FG-Facility
EU-DipCoating-05	Dip-spin coating line No. 5 for surface coating of miscellaneous metal parts equipped with an air collection system and a RTO for VOC reduction. Stack ID: SV-RTO	03/27/2000 07/16/2010	FGDipCoatingLns, FG-Facility
EU-DipCoating-06	Dip-spin coating line No. 6 for surface coating of miscellaneous metal parts equipped with an air collection system and a RTO for VOC reduction. Stack ID: SV-RTO	03/27/2000 07/16/2010	FGDipCoatingLns, FG-Facility
EU-DipCoating-07	Dip-spin coating line No. 7 for surface coating of miscellaneous metal parts equipped with an air collection system and a RTO for VOC reduction. Stack ID: SV-RTO	08/27/2012	FGDipCoatingLns, FG-Facility
EU-DipCoating-08	Dip-spin coating line No. 8 for surface coating of miscellaneous metal parts equipped with an air collection system and a RTO for VOC reduction. Stack ID: SV-RTO	01/31/2014	FGDipCoatingLns, 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.			

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
FGAcidCleaningLns	Two acid cleaning tanks which uses sulfuric acid (CAS No. 7664-93-9) for pickling metal parts. Stack ID: SV-AcidCleaning-01 & SV-AcidCleaning-02	EU-AcidCleaning-01, EU-AcidCleaning-02
FGDipCoatingLns	Miscellaneous metal parts coating process. Coating is transferred to the metal parts using dip-spin application and dried or cured in coating ovens. All eight dip coating lines are equipped with a process air collection system that exhausts captured VOC to a regenerative thermal oxidizer (RTO) for VOC reduction. Stack ID: SV-RTO.	EU-DipCoating-01, EU-DipCoating-02, EU-DipCoating-03, EU-DipCoating-04, EU-DipCoating-05, EU-DipCoating-06, EU-DipCoating-07, EU-DipCoating-08
FG-Facility	All process equipment source-wide including equipment covered by other permits, grand-fathered equipment and exempt equipment.	NA

The following conditions apply to: FGAcidCleaningLns

DESCRIPTION: Two acid cleaning tanks which uses sulfuric acid (CAS No. 7664-93-9) for pickling metal parts. Stack ID: SV-AcidCleaning-01 & SV-AcidCleaning-02

Emission Unit ID: EU-AcidCleaning-01 and EU-AcidCleaning-02

POLLUTION CONTROL EQUIPMENT: None

I. EMISSION LIMITS

NA

II. MATERIAL LIMITS

1. The permittee shall not use any material other then sulfuric acid (CAS No. 7664-93-9) in EU-AcidCleaning without prior notification to and approval by the AQD. **(R 336.1224, R 336.1225)**

III. PROCESS/OPERATIONAL RESTRICTIONS

1. The permittee shall recover and reclaim, recycle, or dispose of sulfuric acid (CAS No. 7664-93-9), in accordance with all applicable regulations. **(R 336.1224, R 336.1225)**

2. The permittee shall capture all waste sulfuric acid (CAS No. 7664-93-9) 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 336.1225)**

IV. DESIGN/EQUIPMENT PARAMETERS

NA

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 record 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)**

2. The permittee shall maintain a current listing from the manufacturer of the chemical composition of material used in FGAcidCleaningLns, 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)**

VII. REPORTING

NA

VIII. STACK/VENT RESTRICTIONS

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

Stack & Vent ID	Maximum Exhaust Diameter/ Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
1. SV-AcidCleaning-01	32	40	R 336.1225, 40 CFR 52.21(c) & (d)
2. SV-AcidCleaning-02	28	40	R 336.1225, 40 CFR 52.21(c) & (d)

IX. OTHER REQUIREMENTS

NA

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

The following conditions apply to: FG-DipCoatingLns

DESCRIPTION: Miscellaneous metal parts coating process. Coating is transferred to the metal parts using dip-spin application and dried or cured in coating ovens. All eight dip coating lines are equipped with a process air collection system that exhausts captured VOC to a regenerative thermal oxidizer (RTO) for VOC reduction.

Emission Unit IDs: EU-DipCoating-01, EU-DipCoating-02, EU-DipCoating-03, EU-DipCoating-04, EU-DipCoating-05, EU-DipCoating-06, EU-DipCoating-07, and EU-DipCoating-08.

POLLUTION CONTROL EQUIPMENT: A process air collection system that exhausts captured VOC to a RTO for VOC reduction

I. EMISSION LIMITS

Pollutant	Limit	Time Period / Operating Scenario	Equipment	Testing / Monitoring Method	Underlying Applicable Requirements
1. VOCs	40.0 tpy	12-month rolling time period as determined at the end of each calendar month	FGDipCoatingLns	SC VI.1, SC VI.2, SC VI.3	R 336.1205, R 336.1702(a)
2. Ethyl Benzene (CAS No. 100-41-4)	0.9 tpy	12-month rolling time period as determined at the end of each calendar month	FGDipCoatingLns	SC VI.1, SC VI.2, SC VI.4	R 336.1225(1)
3. Dimethyl Glutarate (CAS No. 1119-40-0), Dimethyl Adipate (CAS No. 627-93-0), and Dimethyl Succinate (CAS No. 106-65-0)*	3.2 tpy	12-month rolling time period as determined at the end of each calendar month	FGDipCoatingLns	SC VI.1, SC VI.2, SC VI.4	R 336.1225(1)

** Dimethyl Glutarate, Dimethyl Adipate, and Dimethyl Succinate collectively known as Dibasic Ester*

II. MATERIAL LIMITS

NA

III. PROCESS/OPERATIONAL RESTRICTIONS

1. The permittee shall recover and reclaim, recycle, or dispose of paints, coatings, reducer, thinners, cleanup solvents, *etc.* (materials), in accordance with all applicable regulations. **(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 336.1702(a))**

3. The permittee shall handle all VOC and / or HAP containing materials, 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, R 336.1702(a))**

4. The permittee shall not operate FGDipCoatingLns unless a malfunction abatement plan (MAP) as described in Rule 911(2), has been submitted within 90 days of permit issuance, and is implemented and maintained. The MAP shall, at a minimum, specify the following:

   a) 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.

   b) 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.

   c) 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 336.1205, R 336.1702(a), R 336.1910, R 336.1911, R 336.2803, R 336.2804, 40 CFR 52.21(c) and (d))**

IV. DESIGN/EQUIPMENT PARAMETERS

1. The permittee shall not operate FGDipCoatingLns unless the air collection system and the RTO are installed, maintained and operated in a satisfactory manner. Satisfactory operation of the air collection system of 85.0 percent (by weight), and maintaining a minimum combustion zone temperature no less than that demonstrated during the most recent acceptable stack test which achieved a minimum destruction efficiency of 95.0%, and which is specified in the MAP required in SC III.4, and a minimum retention time of 0.5 seconds. **(R 336.1205, 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 material as applied and as received, using federal Reference Test Method 24. Upon prior 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(a), R 336.2001, R 336.2003, R 336.2004, R 336.2040(5))**

2. Within 180 days of permit issuance, the permittee shall verify the capture efficiency of the air collection system, by testing at owner's expense. The permittee must complete testing of the capture efficiency of the air collection system once every five years, thereafter. The testing requirement may be waived if the most recent approved capture efficiency test results remain valid and representative, and an acceptable demonstration is made to and approved by the AQD District Supervisor. The test shall be conducted in accordance with Department requirements. 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. Verification of capture efficiency includes the submittal of a complete report of the test results to the AQD within 60 days following the last date of the test. **(R 336.1702(a), R 336.2001, R 336.2003, R 336.2004, R 336.2040(5))**

3. The permittee shall verify the destruction efficiency of the RTO, by testing at owner's expense. The permittee must complete testing of destruction efficiency of the RTO once every five years, thereafter. The testing requirement may be waived if the most recent approved stack test results remain valid and representative, and an acceptable demonstration is made to and approved by the AQD District Supervisor. The test shall be conducted in accordance with Department requirements. 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. Verification of destruction efficiency includes the submittal of a complete report of the test results to the AQD within 60 days following the last date of the test. **(R 336.1702(a), 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 336.1205, 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(a))**

3. The permittee shall keep the following information on a calendar month basis for the FGDipCoatingLns:
   a) Gallons (with water) of each material used.
   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 in a 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, R 336.1702(a))**

4. The permittee shall keep the following information on a calendar month basis for the FGDipCoatingLns:
   a) Gallons (with water) of each dibasic ester and ethyl benzene (CAS No. 100-41-4) containing material used.
   b) Where applicable, the gallons (with water) of dibasic ester and ethyl benzene (CAS No. 100-41-4) containing material reclaimed.
   c) The dibasic ester and ethyl benzene (CAS No. 100-41-4) content (with water) in pounds per gallon of each material used.
   d) Dibasic ester and ethyl benzene (CAS No. 100-41-4) mass emission calculations determining the monthly emission rate in tons per calendar month.
   e) Dibasic ester and ethyl benzene (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 in a 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 install, calibrate, maintain, operate, and record, in a satisfactory manner, the temperature in the combustion chamber of the RTO. Temperature data recording shall consist of measurements made at equally spaced intervals, not to exceed 15 minutes per interval. The permittee shall keep all records and calculations on file and make them available to the Department upon request. **(R 336.1702(a))**

VII. REPORTING

1. Within 30 days after completion of the installation, construction, reconstruction, relocation, or modification of EU-DipCoating-08 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 EU-DipCoating-07. **(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:

Stack & Vent ID	Maximum Exhaust Diameter/ Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
1. SV-RTO	36 x 78	30	R 336.1225, 40 CFR 52.21(c) & (d)

IX. OTHER REQUIREMENTS

NA

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

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: For FGDipCoatingLns portion of the FG-Facility, a process air collection system that exhausts captured VOC to a RTO for VOC reduction.

I. EMISSION LIMITS

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Testing/ Monitoring 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	FG-Facility	SC VI.1, 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.1, SC VI.2	R 336.1205(3)
3. Napthalene (CAS No. 91-20-3)	2.5 tpy	12-month rolling time period as determined at the end of each calendar month	FG-Facility	SC VI.1, SC VI.3	R 336.1225(2)
4. Formaldehyde (CAS No. 50-00-0)	0.1 tpy	12-month rolling time period as determined at the end of each calendar month	FG-Facility	SC VI.1, SC VI.3	R 336.1225(2)

II. MATERIAL LIMITS

NA

III. PROCESS/OPERATIONAL RESTRICTIONS

NA

IV. DESIGN/EQUIPMENT PARAMETERS

NA

V. TESTING/SAMPLING

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

1. The permittee shall determine the HAP content of any paints, coatings, reducer, thinners, cleanup solvents, *etc.* (materials) 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 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 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. 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 records in a 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 calendar month basis for the FG-Facility:
   a) Gallons (with water) of each naphthalene (CAS No. 91-20-3) and formaldehyde (CAS No. 50-00-0) containing material used.
   b) Where applicable, the gallons (with water) of naphthalene (CAS No. 91-20-3) and formaldehyde (CAS No. 50-00-0) containing material reclaimed.
   c) The naphthalene (CAS No. 91-20-3) and formaldehyde (CAS No. 50-00-0) content (with water) in pounds per gallon of each material used.
   d) Napthalene (CAS No. 91-20-3) and formaldehyde (CAS No. 50-00-0) mass emission calculations determining the monthly emission rate in tons per calendar month.
   e) Napthalene (CAS No. 91-20-3) and formaldehyde (CAS No. 50-00-0) 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 in a format acceptable to the AQD District Supervisor. The permittee shall keep all records on file and make them available to the Department upon request.[1] **(R 336.1225(2))**

VII. REPORTING

NA

VIII. STACK/VENT RESTRICTIONS

NA

IX. OTHER REQUIREMENTS

NA

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