

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

October 2, 2017

**PERMIT TO INSTALL**  
423-95D

**ISSUED TO**  
Spartan Steel Coating

**LOCATED AT**  
3300 Wolverine Drive  
Monroe, Michigan

**IN THE COUNTY OF**  
Monroe

**STATE REGISTRATION NUMBER**  
N5675

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>August 31, 2017</b>	
DATE PERMIT TO INSTALL APPROVED: <b>October 2, 2017</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>2e</sub>	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>Flexible Group ID</b>
EU-CLEANING	The cleaning portion of the hot dip galvanizing line (HDGL) consist of two alkaline and one rinse cleaner tanks controlled by a mist eliminator followed by a fume scrubber.	NA
EU-SPRAYCLEANER1	3.5 MMBTU immersion tube unit.	FG-BURNERS
EU-SPRAYCLEANER2	3.5 MMBTU immersion tube unit.	FG-BURNERS
EU-RINSESECTION	3.0 MMBTU immersion tube unit.	FG-BURNERS
EU-DRYER#1	2.6 MMBTU direct fired unit.	FG-BURNERS
EU-DFFURNACE	70 MMBTU direct fired furnace controlled by post combustion chamber for CO.	FG-FURNACES
EU-RTFURNACE	31.36 MMBTU radiant tube furnace.	FG-FURNACES
EU-ZINCPOT	0.5 MMBTU start-up heater and 0.5 MMBTU submerged roll heater.	FG-BURNERS
EU-DRYER#3	2.9 MMBTU direct fired unit.	FG-BURNERS
EU-ROLLCOATER	A roll coater consists of applying chromate, phosphate or organic coatings.	NA
EU-IROVEN	The infra-red oven of the HDGL.	NA
EU-ELECTROSTATIC	A rust prevention oil application electrostatic spray applicator of the HDGL.	NA
EU-HEATER#1	1.3 MMBTU heater.	FG-BURNERS
EU-HEATER#2	1.075 MMBTU heater.	FG-BURNERS
EU-HEATER#3	1.075 MMBTU heater.	FG-BURNERS
EU-HEATER#4	1.075 MMBTU heater.	FG-BURNERS
EU-HEATER#5	1.3 MMBTU heater.	FG-BURNERS
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-CLEANING**

**DESCRIPTION:** The cleaning portion of the hot dip galvanizing line (HDGL) consist of two alkaline and one rinse cleaner tanks controlled by a mist eliminator followed by a fume scrubber.

**Flexible Group ID:** NA

**POLLUTION CONTROL EQUIPMENT:** Mist eliminator followed by a fume scrubber

**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. PM	0.01 gr/dscf	Hourly	EU-CLEANING	GC 13	R 336.1301, R 336.1331, R 336.1224, R 336.1225
2. PM	0.69 pph	Hourly	EU-CLEANING	GC 13	R 336.1224, R 336.1225

3. The visible emissions from EU-CLEANING shall not exceed ten percent. **(R 336.1301, 40 CFR 52.21(c) & (d))**

**II. MATERIAL LIMITS**

NA

**III. PROCESS/OPERATIONAL RESTRICTIONS**

NA

**IV. DESIGN/EQUIPMENT PARAMETERS**

1. The permittee shall not operate EU-CLEANING unless the mist eliminator and fume scrubber are installed, maintained, and operated in a satisfactory manner, based on the results of stack test. **(R 336.1224, R 336.1225, R 336.1301, R 336.1331, R 336.1910)**

**V. TESTING/SAMPLING**

NA

**VI. MONITORING/RECORDKEEPING**

NA

**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. SV-STACKSO2	24	65	R 336.1225, 40 CFR 52.21 (c) & (d)

**IX. OTHER REQUIREMENTS**

NA

**The following conditions apply to: EU-ROLLCOATING**

**DESCRIPTION:** A roll coater consists of applying chromate, phosphate or organic coatings.

**Flexible Group ID:** NA

**POLLUTION CONTROL EQUIPMENT:** NA

**I. EMISSION LIMITS**

Pollutant	Limit	Time Period / Operating Scenario	Equipment	Testing / Monitoring Method	Underlying Applicable Requirements
1. VOC	0.28 kg/liter of coating solids applied.	Calendar month volume weighted average.	EU-ROLLCOATER	SC V.1, SC VI.1, SC VI.3, SC VI.5	40 CFR 60 Subpart TT <sup>(1)</sup>
2. VOC	2.6 lb/gal coating (minus water) as applied.	Calendar day volume weighted average.	EU-ROLLCOATER	SC VI.1, SC VI.3	R 336.1702 (a)
3. VOC	20 tpy	12-month rolling time period as determined at the end of each calendar month.	EU-ROLLCOATER	SC VI.5	R 336.1702 (a)

(1) This limit is based on the federal Standards of Performance for New Stationary Sources, 40 CFR 60 Subparts A and TT.

**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 VOC content, water content, and density of any organic coating, as applied and as received, shall be determined using federal Reference Test Method 24. Upon prior written approval by the AQD District Supervisor, the VOC content may be determined from manufacturer's formulation data. If the Method 24 and the formulation values should differ, the Method 24 results shall be used to determine compliance. **(R 336.1702 (a))**

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

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

1. The permittee shall perform calculations and monitor operating information for each calendar month for EU-ROLLCOATER in accordance with the federal Standards of Performance for New Stationary sources as specified in 40 CFR Part 60 Subparts A and TT. **(40 CFR 60 Subparts A & TT)**
2. When using organic coatings with VOCs, the permittee shall perform calculations to determine the volume-weighted average VOC content of the coatings (minus water) as applied and monitor operation information for each calendar day for the EU-ROLLCOATER. The records shall be kept in a format acceptable to the AQD Supervisor. 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 336.702 (a))**
3. The permittee shall keep records of calculations and operating information for EU-ROLLCOATER in accordance with the federal Standards of Performance for New Stationary sources as specified in 40 CFR Part 60 Subparts A and TT. All records shall be kept on file for a period of at least five years and made available to the Department upon request. **(40 CFR Part 60 Subparts A & TT)**
4. The permittee shall maintain a current listing from the manufacturer of the chemical composition of each organic coating, solvent, etc., including the weight percent of each component. The data may consist of Material Safety Data Sheets, manufacturer's formulation data, or both. All records shall be kept on file for a period of at least five years and made available to the Department upon request. **(R 336.1702 (a))**
5. The permittee shall keep the following information on a monthly basis for EU-ROLLCOATER:
  - a) Gallons (with water) of each coatings coating used.
  - b) VOC content (minus water and with water) of each coating as applied.
  - c) VOC emission calculations determining the volume-weighted average VOC content of the coatings as applied on a monthly basis.
  - 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.

The records shall be kept in a format acceptable to the AQD Supervisor. 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 336.702 (a))**

#### **VII. REPORTING**

NA

#### **VIII. STACK/VENT RESTRICTIONS**

1. The permittee shall not discharge emissions from the EU-ROLLCOATER directly into the atmosphere. **(40 CFR 52.21(c) & (d))**

#### **IX. OTHER REQUIREMENTS**

NA

**The following conditions apply to: EU-ELECTROSTATIC**

**DESCRIPTION:** A rust prevention oil application electrostatic spray applicator of the HDGL.

**Flexible Group ID:** NA

**POLLUTION CONTROL EQUIPMENT:** NA

**I. EMISSION LIMITS**

Pollutant	Limit	Time Period / Operating Scenario	Equipment	Testing / Monitoring Method	Underlying Applicable Requirements
1. VOC	1.5 lb/gal	Calendar day volume weighted average.	EU-ELECTROSTATIC	SC V.1, SC VI.1, SC VI.2	R 336.1702 (a)
2. VOC	26.7 tpy	12-month rolling time period as determined at the end of each calendar month.	EU-ELECTROSTATIC	SC VI.2	R 336.1702(a)

**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 VOC content, water content, and density of any oil, as applied and as received, shall be determined using federal Reference Test Method 24. Upon prior written approval by the AQD District Supervisor, the VOC content may be determined from manufacturer's formulation data. If the Method 24 and the formulation values should differ, the Method 24 results shall be used to determine compliance. **(R 336.1702(a))**

**VI. MONITORING/RECORDKEEPING**

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

1. The permittee shall maintain a current listing from the manufacturer of the chemical composition of each coating, solvent, etc., including the weight percent of each component. The data may consist of Material Safety Data Sheets, manufacturer's formulation data, or both. All records shall be kept on file for a period of at least five years and made available to the Department upon request. **(R 336.1702 (a))**

2. The permittee shall keep the following information for EU-ELECTROSTATIC:
- a) The calendar day and monthly usage rates of each oil (in gallons).
  - b) VOC content of each oil as applied.
  - c) VOC emission calculations determining the volume-weighted average VOC content of the oil as applied on a calendar day basis.
  - 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.

The records shall be kept in a format acceptable to the AQD Supervisor. 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 336.1299, R 336.1702 (a))**

**VII. REPORTING**

NA

**VIII. STACK/VENT RESTRICTIONS**

NA

**IX. OTHER REQUIREMENTS**

NA

**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-FURNACES	One direct fired furnace and one radiant tube furnace.	EU-DFFURNACE, EU-RTFURNACE,
FG-BURNERS	Various natural gas fired heaters.	EU-SPRAYCLEANER1, EU-SPRAYCLEANER2, EU-RINSESECTION, EU-DRYER#1, EU-ZINCPOT, EU-DRYER#3, EU-HEATER#1, EU-HEATER#2, EU-HEATER#3, EU-HEATER#4, and EU-HEATER#5.
FGFACILITY	All process equipment source-wide including equipment covered by other permits, grand-fathered equipment and exempt equipment.	NA

**The following conditions apply to: FG-FURNACES**

**DESCRIPTION:** One direct fired furnace and one radiant tube furnace.

**Emission Units:** EU-DFFURNACE, EU-RTFURNACE

**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. NO <sub>x</sub>	90 tpy	12-month rolling time period as determined at the end of each calendar month.	FG-FURNACES	SC VI.1	R 336.1205(1)
2. NO <sub>x</sub>	240 lb NO <sub>x</sub> per MM SCF of natural gas	Continuously	FG-FURNACES	GC 13	R 336.1205(1)

**II. MATERIAL LIMITS**

1. The natural gas usage for FG-FURNACES shall not exceed a maximum of 750 MMSCF per 12-month rolling time period as determined at the end of each calendar month. **(R 336.1205(1))**

**III. PROCESS/OPERATIONAL RESTRICTIONS**

NA

**IV. DESIGN/EQUIPMENT PARAMETERS**

1. The permittee shall not operate any furnace in FG-FURNACES unless the burners are installed, maintained, and operated in a satisfactory manner. **(R 336.1205(1), R 336.1910)**
2. The permittee shall not operate EU-DFFURNACE portion of the FG-FURNACES unless the post combustion chamber for carbon monoxide is installed, maintained, and operated in a satisfactory manner. **(R 336.205(1), R 336.1910)**
3. The permittee shall install, calibrate, maintain and operate, in a satisfactory manner, a device to monitor and record the natural gas usage rate for FG-FURNACES on a monthly basis. **(R 336.1205(1), 40 CFR 52.21(c) and (d))**

**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, monthly natural gas usage records, indicating the total amount of natural gas used, in cubic feet, on a calendar month basis and a 12-month rolling time period basis for FG-FURNACES. In addition, the permittee shall keep monthly and previous 12-month NO<sub>x</sub> calculation records for the FG-FURNACES. All records shall be kept on file for a period of at least five years and made available to the Department upon request. **(R 336.1205(1), 40 CFR 52.21(c) and (d))**

**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. SV-STACKSO1	90	156	40 CFR 52.21(c)&(d)

**IX. OTHER REQUIREMENTS**

NA

**The following conditions apply to: FG-BURNERS**

**DESCRIPTION:** Various natural gas fired heaters.

**Emission Units:** EU-SPRAYCLEANER1, EU-SPRAYCLEANER2, EU-RINSESECTION, EU-DRYER#1, EU-ZINCPOT, EU-DRYER#3, EU-HEATER#1, EU-HEATER#2, EU-HEATER#3, EU-HEATER#4, and EU-HEATER#5

**POLLUTION CONTROL EQUIPMENT:** NA

**I. EMISSION LIMITS**

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Testing / Monitoring Method	Underlying Applicable Requirements
1. NO <sub>x</sub>	9.8 tpy	12-month rolling time period as determined at the end of each month.	FG-BURNERS	SC VI.1	R 336.1205(1)
2. NO <sub>x</sub>	100 lb /MM SCF Natural Gas	Continuously	FG-BURNERS	GC 13	R 336.1205(1)

**II. MATERIAL LIMITS**

Material	Limit	Time Period / Operating Scenario	Equipment	Testing / Monitoring Method	Underlying Applicable Requirements
1. Natural gas	195.56 MM SCF	12-month rolling time period as determined at the end of each month.	FG-BURNERS	SC VI.1	R 336.1205(1)

**III. PROCESS/OPERATIONAL RESTRICTIONS**

NA

**IV. DESIGN/EQUIPMENT PARAMETERS**

1. The permittee shall not operate FG-BURNERS unless the burners are installed, maintained, and operated in a satisfactory manner. **(R 336.1910)**
2. The permittee shall install, calibrate, maintain and operate, in a satisfactory manner, a device to monitor and record the natural gas usage rate for FG-BURNERS on a monthly and 12-month rolling basis. **(R 336.1205(1))**

**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, monthly natural gas usage records, indicating the total amount of natural gas used, in cubic feet, on an average calendar month basis and a 12-month rolling time period basis for FG-BURNERS. In addition, permittee shall keep monthly and previous 12-month NOx calculation records for the FG-BURNERS. All records shall be kept on file for a period of at least five years and made available to the Department upon request. **(R 336.1205(1))**

**VII. REPORTING**

NA

**VIII. STACK/VENT RESTRICTIONS**

NA

**IX. OTHER REQUIREMENTS**

NA

**The following conditions apply Source-Wide to: FGFACILITY**

**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	FGFACILITY	SC V.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	FGFACILITY	SC V.1, SC VI.2	R 336.1205(3)

**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 material 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 15th day of the calendar month, for the previous calendar month, unless otherwise specified in any recordkeeping, reporting or notification special condition. **(R 336.1205(3))**

2. The permittee shall keep the following information on a monthly basis for FGFACILITY:
- a) Gallons or pounds of each HAP containing material used.
  - b) Where applicable, gallons or pounds of each HAP containing material reclaimed.
  - c) HAP content, in pounds per gallon or pounds per pound, of each HAP containing material used.
  - d) Individual and aggregate HAP emission calculations determining the monthly emission rate of each in tons per calendar month.
  - e) Individual and aggregate HAP emission calculations determining the annual emission rate of each in tons per 12-month rolling time period as determined at the end of each calendar month

The permittee shall keep the records in a format acceptable to the AQD District Supervisor. The permittee shall keep all records on file for a period of at least five years 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