

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

August 9, 2018

PERMIT TO INSTALL
159-97B

ISSUED TO
SRG Global, Inc. - ADC

LOCATED AT
12620 Delta Street
Taylor, Michigan

IN THE COUNTY OF
Wayne

STATE REGISTRATION NUMBER
N6368

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:

March 30, 2018

DATE PERMIT TO INSTALL APPROVED:

August 9, 2018

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	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 _{2e}	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 ₂ 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 _x	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 ₂	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.

Emission Unit ID	Emission Unit Description (Process Equipment & Control Devices)	Flexible Group ID
EUTANK103	Etch tank used in the pre-plating process. Emissions are controlled by the Pre-Plate Scrubber and Etch Scrubber.	FGPREPLATE
EUTANK104	Etch tank used in the pre-plating process. Emissions are controlled by the Pre-Plate Scrubber and Etch Scrubber.	FGPREPLATE
EUTANK105	Etch tank used in the pre-plating process. Emissions are controlled by the Pre-Plate Scrubber and Etch Scrubber.	FGPREPLATE
EUTANK110	Tank used in the pre-plating process. Emissions are controlled by the Pre-Plate Scrubber and Etch Scrubber.	FGPREPLATE
EUTANK113	Tank used in the pre-plating process. Emissions are controlled by the Pre-Plate Scrubber and Etch Scrubber.	FGPREPLATE
EUTANK114	Tank used in the pre-plating process. Emissions are controlled by the Pre-Plate Scrubber and Etch Scrubber.	FGPREPLATE
EUTANK116	Tank used for the multishot accelerator.	NA
EUTANK117	Tank used in the pre-plating process. Emissions are controlled by the Pre-Plate Scrubber and Etch Scrubber.	FGPREPLATE
EUTANK120	Electroless nickel plating tank. Emissions are controlled by a mist eliminator.	FGMIST
EUTANK121	Electroless nickel plating tank. Emissions are controlled by a mist eliminator.	FGMIST
EUTANK127	Immersion copper tank.	NA
EUTANK128	Bright acid copper tank. Emissions are controlled by a mist eliminator.	FGMIST
EUTANK133	Bright acid copper tank. Emissions are controlled by a mist eliminator.	FGMIST
EUTANK134	Bright acid copper tank. Emissions are controlled by a mist eliminator.	FGMIST
EUTANK135	Bright acid copper tank. Emissions are controlled by a mist eliminator.	FGMIST
EUTANK137	Copper Activator tank.	NA
EUTANK139	Non-chromium electroplating utilizing plating metal HAPs.	FGNONCHROME
EUTANK140	Non-chromium electroplating utilizing plating metal HAPs.	FGNONCHROME
EUTANK141	Non-chromium electroplating utilizing plating metal HAPs.	FGNONCHROME
EUTANK205	Non-chromium electroplating utilizing plating metal HAPs.	FGNONCHROME
EUTANK206	Non-chromium electroplating utilizing plating metal HAPs.	FGNONCHROME
EUTANK209	Non-chromium electroplating utilizing plating metal HAPs.	FGNONCHROME
EUTANK210	Non-chromium electroplating utilizing plating metal HAPs.	FGNONCHROME
EUTANK213	Non-chromium electroplating utilizing plating metal HAPs.	FGNONCHROME

Emission Unit ID	Emission Unit Description (Process Equipment & Control Devices)	Flexible Group ID
EUTANK217	Chromium electroplating tank. Emissions are controlled by the Tri-Chrome scrubber system.	FGTRICHROME
EUTANK218	Chromium electroplating tank. Emissions are controlled by the Tri-Chrome scrubber system.	FGTRICHROME
EUTANK220	Chromium electroplating tank. Emissions are controlled by the Tri-Chrome scrubber system.	FGTRICHROME
EUTANK221	Chromium electroplating tank. Emissions are controlled by the Tri-Chrome scrubber system.	FGTRICHROME
EUTANK224	Chromium electroplating tank. Emissions are controlled by the Tri-Chrome scrubber system.	FGTRICHROME
EUTANK225	Chromium electroplating tank. Emissions are controlled by the Tri-Chrome scrubber system.	FGTRICHROME
EUTANK229	Chromium electroplating tank. Emissions are controlled by the Tri-Chrome scrubber system.	FGTRICHROME
EUTANK230	Chromium electroplating tank. Emissions are controlled by the Tri-Chrome scrubber system.	FGTRICHROME
EUTANK233	Chromium electroplating tank. Emissions are controlled by the Decorative Chrome Scrubber system.	FGDECCHROME
EUTANK234	Chromium electroplating tank. Emissions are controlled by the Decorative Chrome Scrubber system.	FGDECCHROME
EUTANK350	Electrolytic strip tank. Emissions are controlled by the Tri-Chrome Scrubber system.	FGTRICHROME
EUTANK352	Chrome strip/caustic tank. Emissions are controlled by the Tri-Chrome Scrubber system.	FGTRICHROME
EUTANK356	Nitric tank. Emissions are controlled by the Nitric Scrubber system.	NA
EUTANK419	Rack conditioner.	NA
EUTANK454	ABS Pre-Etch tank. Emissions are controlled by the Pre-Plate Scrubber and Etch Scrubber.	FGPREPLATE
EUTANK457	Hex Free Etch/Evolve Etch tank. Emissions are controlled by the Pre-Plate Scrubber and Etch Scrubber.	FGPREPLATE

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: EUTANK356

DESCRIPTION: Nitric tank. Emissions are controlled by the Nitric Scrubber system.

Flexible Groups: NA

POLLUTION CONTROL EQUIPMENT: Nitric Scrubber System

I. EMISSION LIMITS

NA

II. MATERIAL LIMITS

NA

III. PROCESS/OPERATIONAL RESTRICTIONS

NA

IV. DESIGN/EQUIPMENT PARAMETERS

1. The permittee shall not operate EUTANK356 unless the scrubber is installed, maintained, and operated in a satisfactory manner. Satisfactory operation includes but is not limited to maintaining the pressure drop across the scrubber system as specified by the manufacturer. **(R 336.224, R 336.910)**

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 equip and maintain the scrubber system with a device to monitor pressure drop. Each device shall monitor pressure drop on a continuous basis during operation. **(R 336.1224, R 336.1225, R 336.1702, R 336.1910)**
2. The permittee shall keep daily records of the pressure drop across the scrubber system. Daily records consist of one pressure drop reading for each calendar day that the nitric tank is in operation. **(R 336.1224, R 336.1225, R 336.1702, R 336.1910)**

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-B (Nitric Scrubber)	32	34	40 CFR 52.21(c) and (d)

IX. OTHER REQUIREMENTS

NA

Footnotes:

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

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
FGPREPLATE	Pre-plate and etch tanks used in the pre-plating processes. Emissions are controlled by the Pre-Plate/Etch Scrubber system.	EUTANK103, EUTANK104, EUTANK105, EUTANK110, EUTANK113, EUTANK114, EUTANK117, EUTANK454, EUTANK457
FGMIST	Electroless nickel and copper plating tanks controlled by the Mist Eliminator system.	EUTANK120, EUTANK121, EUTANK128, EUTANK133, EUTANK134, EUTANK135
FGDECCHROME	Chromium electroplating tanks and strip tanks. Emissions are controlled by the Decorative Chrome Scrubber.	EUTANK233, EUTANK234
FGTRICHROME	Chromium electroplating tanks and strip tanks. Emissions are controlled by the Tri-Chrome Scrubber.	EUTANK217, EUTANK218, EUTANK220, EUTANK221, EUTANK224, EUTANK225, EUTANK229, EUTANK230, EUTANK350, EUTANK352
FGNONCHROME	Non-chromium electroplating utilizing metal HAPs.	EUTANK139, EUTANK140, EUTANK141, EUTANK205, EUTANK206, EUTANK209, EUTANK210, EUTANK213

The following conditions apply to: FGPREPLATE

DESCRIPTION: Pre-plate and etch tanks used in the pre-plating processes. Emissions are controlled by the Pre-Plate Scrubber and Etch Scrubber systems.

Emission Units: EUTANK103, EUTANK104, EUTANK105, EUTANK110, EUTANK113, EUTANK114, EUTANK117, EUTANK454, EUTANK457

POLLUTION CONTROL EQUIPMENT: Pre-Plate Scrubber System, Etch Scrubber System

I. EMISSION LIMITS

NA

II. MATERIAL LIMITS

NA

III. PROCESS/OPERATIONAL RESTRICTIONS

NA

IV. DESIGN/EQUIPMENT PARAMETERS

1. The permittee shall not operate FGPREPLATE unless the scrubbers are installed, maintained, and operated in a satisfactory manner. Satisfactory operation includes but is not limited to maintaining the pressure drop across the scrubber system as specified by the manufacturer. **(R 336.224, R 336.910)**

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 equip and maintain each scrubber system with a device to monitor pressure drop. Each device shall monitor pressure drop on a continuous basis during operation. **(R 336.1224, R 336.1225, R 336.1702, R 336.1910)**
2. The permittee shall keep daily records of the pressure drop across each of the scrubber systems. **(R 336.1224, R 336.1225, R 336.1702, R 336.1910)**

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-C (Pre-Plate Scrubber & Etch Scrubber)	40	34	40 CFR 52.21(c) and (d)

IX. OTHER REQUIREMENTS

NA

Footnotes:

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

The following conditions apply to: FGMIST

DESCRIPTION: Electroless nickel and copper plating tanks controlled by the Mist Eliminator system.

Emission Units: EUTANK120, EUTANK121, EUTANK128, EUTANK133, EUTANK134, EUTANK135

POLLUTION CONTROL EQUIPMENT: Mist eliminators

I. EMISSION LIMITS

II. MATERIAL LIMITS

NA

III. PROCESS/OPERATIONAL RESTRICTIONS

NA

IV. DESIGN/EQUIPMENT PARAMETERS

1. The permittee shall not operate FGMIST unless the composite mesh pad mist eliminators are installed, maintained, and operating in a satisfactory manner. Satisfactory operation includes but is not limited to maintaining the pressure drop across the mist eliminator as specified by the manufacturer. **(R 336.1224, R 336.1910)**
2. The permittee shall equip and maintain the mist eliminators with liquid flow timers to maintain the required intermittently constant water flow.

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 equip and maintain the mist eliminators with a device to monitor pressure drop. Each device shall monitor pressure drop on a continuous basis during operation. **(R 336.1224, R 336.1225, R 336.1702, R 336.1910)**
2. The permittee shall keep daily records of the pressure drop across the mist eliminators. **(R 336.1224, R 336.1225, R 336.1702, R 336.1910)**

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-E (Mist Eliminator)	38	34	40 CFR 52.21(c) and (d)

IX. OTHER REQUIREMENTS

NA

Footnotes:

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

The following conditions apply to: FGDECCHROME

DESCRIPTION: Chromium electroplating tanks and strip tanks. Emissions are controlled by the Decorative Chrome Scrubber.

Emission Units: EUTANK233, EUTANK234

POLLUTION CONTROL EQUIPMENT: Decorative Chrome Scrubber

I. EMISSION LIMITS

NA

II. MATERIAL LIMITS

NA

III. PROCESS/OPERATIONAL RESTRICTIONS

1. The permittee shall not operate EUTANK233 and EUTANK234 unless the chemical fume suppressant containing a wetting agent is applied in quantities and at a frequency to ensure the surface tension of the bath contained within the tanks does not exceed, at any time during operation, 40 dynes/cm (2.8x10⁻³ pound-force per foot) as measured by a stalagmometer or does not exceed 33 dynes/cm (2.3x10⁻³ pound-force per foot) as measured by a tensiometer. **(40 CFR Part 63 Subpart N).**

IV. DESIGN/EQUIPMENT PARAMETERS

1. The permittee shall not operate FGDECCHROME unless the Decorative Chrome Scrubber is installed, maintained, and operated in a satisfactory manner. Satisfactory operation includes but is not limited to maintaining the pressure drop across the scrubber system as specified by the manufacturer. **(R 336.224, R 336.910)**

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 equip and maintain the scrubber system with a device to monitor pressure drop. Each device shall monitor pressure drop on a continuous basis during operation. **(R 336.1224, R 336.1225, R 336.1702, R 336.1910)**
2. The permittee shall keep daily records of the pressure drop across the scrubber system. **(R 336.1224, R 336.1225, R 336.1702, R 336.1910)**
3. The permittee shall monitor the surface tension of the bath in each tank in FGDECCHROME once every four (4) hours of tank operation for the first 40 hours of tank operation. If there are no exceedances during the first 40 hours of tank operation, then surface tension measurements may be conducted once every eight (8) hours of tank operation for the next 40 hours of tank operation. If there are no exceedances during the 40 hours of

tank operation when surface tension measurements are being conducted every eight (8) hours, then surface tension measurements may be conducted once every 40 hours of tank operation on an ongoing basis, until an exceedance occurs. Once an exceedance occurs as indicated through surface tension monitoring, the original monitoring schedule of once every four hours must be resumed and the subsequent decrease in frequency shall follow the schedule as laid out above. The minimum frequency of monitoring allowed is once every 40 hours of tank operation. An example of monitoring frequency is available at 40 CFR 63.343(c)(5)(ii)(C). The surface tension shall be monitored with a stalagmometer or tensiometer as specified in Method 306B of 40 CFR Subpart N. **(R 336.1224, R 336.1910, 40 CFR Part 63.343(c)(5))**

4. The permittee shall monitor emissions and operating and maintenance information in accordance with the National Emission Standards for Hazardous Air Pollutants as specified in 40 CFR Part 63 Subparts A and N. The permittee shall keep records of all source emissions and operating and maintenance information on file at the facility and make them available to the Department upon request. **(40 CFR Part 63 Subparts A & N)**
5. The permittee shall maintain records of inspections required to comply with applicable work practice standards of 40 CFR 63.342(f). Each inspection record shall identify the device inspected, the date, approximate time of inspection, and a brief description of the working condition of the device during the inspection. The permittee shall also record any actions taken to correct the deficiencies found during the inspection. The permittee shall keep all records on file and make them available to the Department upon request. **(R 336.1224, R 336.1910, 40 CFR Part 63 Subparts A & N)**
6. The permittee shall keep records of the surface tension of each tank in FGDECCHROME, the amount of chemical fume suppressant added to each tank in FGDECCHROME and the date and time of each addition. The permittee shall keep all records on file and make them available to the Department upon request. **(R 336.1224, R 336.1910, 40 CFR Part 63 Subparts A & N)**

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-A (Decorative Chrome Scrubber)	24	34	R 336.1225, 40 CFR 52.21(c) and (d)

IX. OTHER REQUIREMENTS

1. The permittee shall comply with all provisions of the National Emission Standards for Hazardous Air Pollutants for Chromium Emissions From Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks as specified in 40 CFR Part 63 Subparts A and N, as they apply to FGDECCHROME. **(40 CFR Part 63 Subparts A & N)**

Footnotes:

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

The following conditions apply to: FGTRICHROME

DESCRIPTION: Chromium electroplating tanks. Emissions are controlled by the Tri-Chrome Scrubber.

Emission Units: EUTANK217, EUTANK218, EUTANK220, EUTANK221, EUTANK224, EUTANK225, EUTANK229, EUTANK230, EUTANK350, EUTANK352

POLLUTION CONTROL EQUIPMENT: Tri-Chrome Scrubber

I. EMISSION LIMITS

NA

II. MATERIAL LIMITS

NA

III. PROCESS/OPERATIONAL RESTRICTIONS

NA

IV. DESIGN/EQUIPMENT PARAMETERS

1. The permittee shall not operate EUTANK217, EUTANK218, EUTANK220, EUTANK221, EUTANK224, EUTANK225, EUTANK229, EUTANK230, EUTANK350, and EUTANK352 unless the Tri-Chrome Scrubber is installed, maintained, and operated in a satisfactory manner. Satisfactory operation includes but is not limited to maintaining the pressure drop across the scrubber system as specified by the manufacturer. **(R 336.224, R 336.910)**

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 equip and maintain the scrubber system with a device to monitor pressure drop. Each device shall monitor pressure drop on a continuous basis during operation. **(R 336.1224, R 336.1225, R 336.1702, R 336.1910)**
2. The permittee shall keep daily records of the pressure drop across the scrubber system. **(R 336.1224, R 336.1225, R 336.1702, R 336.1910)**

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-D (Tri Chrome Scrubber)	41	34	R 336.1225, 40 CFR 52.21(c) and (d)

IX. OTHER REQUIREMENTS

1. The permittee shall comply with all provisions of the National Emission Standards for Hazardous Air Pollutants for Chromium Emissions From Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks as specified in 40 CFR Part 63 Subparts A and N, as they apply to FGTRICHROME. **(40 CFR Part 63 Subparts A & N)**

Footnotes:

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

The following conditions apply to: FGNONCHROME

DESCRIPTION: Non-chromium electroplating utilizing metal HAPs.

Emission Units: EUTANK139, EUTANK140, EUTANK141, EUTANK205, EUTANK206, EUTANK209, EUTANK210, EUTANK213

POLLUTION CONTROL EQUIPMENT: NA

I. EMISSION LIMITS

NA

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))**

NA

VI. MONITORING/RECORDKEEPING

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

NA

VII. REPORTING

NA

VIII. STACK/VENT RESTRICTIONS

NA

IX. OTHER REQUIREMENTS

1. The permittee shall comply with all provisions of the National Emission Standards for Hazardous Air Pollutants from Area Source Plating and Polishing Operations as specified in 40 CFR Part 63 Subparts WWWWWWW, as they apply to FGNONCHROME. **(40 CFR Part 63 Subpart WWWWWWW)**

Footnotes:

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