

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

October 20, 2011
REVISED March 15, 2012

PERMIT TO INSTALL
16-11

ISSUED TO
Extruded Metals, Inc.

LOCATED AT
302 Ashfield Street
Belding, Michigan

IN THE COUNTY OF
Ionia

STATE REGISTRATION NUMBER
B1650

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:

April 21, 2011

DATE PERMIT TO INSTALL APPROVED:

October 20, 2011

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
CO ₂ e	Carbon Dioxide Equivalent	°F	Degrees Fahrenheit
COM	Continuous Opacity Monitoring	gr	Grains
EPA	Environmental Protection Agency	Hg	Mercury
EU	Emission Unit	hr	Hour
FG	Flexible Group	H ₂ S	Hydrogen Sulfide
GACS	Gallon of Applied Coating Solids	hp	Horsepower
GC	General Condition	lb	Pound
GHGs	Greenhouse Gases	kW	Kilowatt
HAP	Hazardous Air Pollutant	m	Meter
HVLP	High Volume Low Pressure *	mg	Milligram
ID	Identification	mm	Millimeter
LAER	Lowest Achievable Emission Rate	MM	Million
MACT	Maximum Achievable Control Technology	MW	Megawatts
MAERS	Michigan Air Emissions Reporting System	ng	Nanogram
MAP	Malfunction Abatement Plan	NO _x	Oxides of Nitrogen
MDEQ	Michigan Department of Environmental Quality (Department)	PM	Particulate Matter
MSDS	Material Safety Data Sheet	PM10	PM less than 10 microns diameter
NESHAP	National Emission Standard for Hazardous Air Pollutants	PM2.5	PM less than 2.5 microns diameter
NSPS	New Source Performance Standards	pph	Pounds per hour
NSR	New Source Review	ppm	Parts per million
PS	Performance Specification	ppmv	Parts per million by volume
PSD	Prevention of Significant Deterioration	ppmw	Parts per million by weight
PTE	Permanent Total Enclosure	psia	Pounds per square inch absolute
PTI	Permit to Install	psig	Pounds per square inch gauge
RACT	Reasonably Available Control Technology	scf	Standard cubic feet
ROP	Renewable Operating Permit	sec	Seconds
SC	Special Condition	SO ₂	Sulfur Dioxide
SCR	Selective Catalytic Reduction	THC	Total Hydrocarbons
SRN	State Registration Number	tpy	Tons per year
TAC	Toxic Air Contaminant	µg	Microgram
TEQ	Toxicity Equivalence Quotient	VOC	Volatile Organic Compound
VE	Visible Emissions	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 48909-7760, 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
EUECHIPDRYER	The east brass chip dryer with a cyclone, thermal oxidizer, precooler/wet scrubber and a demister for control. The chip dryer has a drying capacity of 20,000 pounds of brass turnings per hour.	FGCHIPDRYERS
EUWCHIPDRYER	The west brass chip dryer with a cyclone, thermal oxidizer, precooler/wet scrubber and a demister for control. The chip dryer has a drying capacity of 20,000 pounds of brass turnings per hour.	FGCHIPDRYERS
EUMELTFURN7	Induction melting furnace with associated pressurized holder and horizontal casters. The induction melting furnaces are controlled by the east baghouse.	FGMELTFURN
EUMELTFURN8	Induction melting furnace with associated pressurized holder and horizontal casters. The induction melting furnaces are controlled by the east baghouse.	FGMELTFURN
EUMELTFURN9	Induction melting furnace with associated pressurized holder and horizontal casters. The induction melting furnaces are controlled by the west baghouse.	FGMELTFURN

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
FGCHIPDRYERS	East and west chip dryers. Each chip dryer has its own associated cyclone, thermal oxidizer, precooler/wet scrubber and demister for control.	EUECHIPDRYER, EUWCHIPDRYER
FGMELTFURN	Three induction melting furnaces and associated pressurized holder, three horizontal casters and two baghouses.	EUMELTFURN7, EUMELTFURN8, EUMELTFURN9
FGFACILITY	All process equipment source-wide including equipment covered by other permits, grand-fathered equipment and exempt equipment.	All

The following conditions apply to: FGCHIPDRYERS

DESCRIPTION: East and west chip dryers

Emission Units: EUECHIPDRYER, EUWCHIPDRYER

POLLUTION CONTROL EQUIPMENT: Each chip dryer has its own associated cyclone, thermal oxidizer, precooler/wet scrubber and demister

I. EMISSION LIMITS

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Testing / Monitoring Method	Underlying Applicable Requirements
1.Particulate	0.10 lb/1,000 lbs of exhaust gas on a dry gas basis	Test Protocol will specify averaging time	Each chip dryer	SC V.1, V.2	R 336.1331
2.Particulate	1.0 pph	Test Protocol will specify averaging time	East Chip Dryer	SC V.1	R 336.1331
3. Particulate	1.6 pph	Test Protocol will specify averaging time	West Chip Dryer	SC V.2	R 336.1331
4. Lead	23 mg/dscm	Test Protocol will specify averaging time	Each chip dryer	SC V.1, V.2	R 336.2804, 40 CFR 52.21(d)
5. Lead	0.2 pph	Test Protocol will specify averaging time	East Chip Dryer	SC V.1	R 336.2804, 40 CFR 52.21(d)
6. Lead	0.3 pph	Test Protocol will specify averaging time	West Chip Dryer	SC V.2	R 336.2804, 40 CFR 52.21(d)
7. Sulfuric Acid	25 mg/dscm	Test Protocol will specify averaging time	Each chip dryer	SC V.1, V.2	R 336.1224, R 336.1225
8. Sulfuric Acid	0.2 pph	Test Protocol will specify averaging time	Each chip dryer	SC V.1, V.2	R 336.1224, R 336.1225
9. Hydrogen chloride	8 mg/dscm	Test Protocol will specify averaging time	Each chip dryer	SC V.1, V.2	R 336.1224, R 336.1225
10. Hydrogen chloride	0.06 pph	Test Protocol will specify averaging time	Each chip dryer	SC V.1, V.2	R 336.1224, R 336.1225

II. MATERIAL LIMITS

NA

III. PROCESS/OPERATIONAL RESTRICTIONS

1. No later than 60 days after issuance of this permit, the permittee shall submit to the AQD District Supervisor, for review and approval, a preventative maintenance / malfunction abatement plan (PM / MAP) for

FGCHIPDRYERS. After approval of the PM / MAP by the AQD District Supervisor, the permittee shall not operate FGCHIPDRYERS unless the PM / MAP, or an alternate plan approved by the AQD District Supervisor, is implemented and maintained. The plan shall incorporate procedures recommended by the equipment manufacturer as well as incorporating standard industry practices. At a minimum the plan shall include:

- a) Identification of the equipment and, if applicable, air-cleaning device and the supervisory personnel responsible for overseeing the inspection, maintenance, and repair
- b) Description of the items or conditions to be inspected and frequency of the inspections or repairs
- c) Identification of the equipment and, if applicable, air-cleaning device, operating parameters that shall be monitored to detect a malfunction or failure, the normal operating range of these parameters and a description of the method of monitoring or surveillance procedures
- d) Identification of the major replacement parts that shall be maintained in inventory for quick replacement
- e) 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 the plan fails to address or inadequately addresses an event that meets the characteristics of a malfunction at the time the plan is initially developed, the owner or operator shall revise the plan within 45 days after such an event occurs and submit the revised plan for approval to the AQD District Supervisor. Should the AQD determine the PM / MAP to be inadequate, the AQD District Supervisor may request modification of the plan to address those inadequacies. **(R 336.1205, R 336.1702(a), R 336.1910, R 336.1911, R 336.1912, R 336.2804, 40 CFR 52.21 (d))**

2. The permittee shall not operate either chip dryer in FGCHIPDRYERS unless a minimum temperature of 1500°F and a minimum retention time of 0.5 seconds in each chip dryers associated thermal oxidizer is maintained. **(R 336.1205, R 336.1225, R 336.1702(a), R 336.1901, R 336.1910)**

IV. DESIGN/EQUIPMENT PARAMETERS

1. The permittee shall not operate either chip dryer in FGCHIPDRYERS unless the associated thermal oxidizer is installed, maintained, and operated in a satisfactory manner. Satisfactory operation of the thermal oxidizer includes maintaining a minimum temperature of 1500°F and a minimum retention time of 0.5 seconds, as required by SC III.2. **(R 336.1205, R 336.1225, R 336.1702(a), R 336.1901, R 336.1910)**
2. The permittee shall not operate either chip dryer in FGCHIPDRYERS unless the associated cyclone, precoolers/wet scrubber and demister are installed, maintained, and operated in a satisfactory manner. Satisfactory operation of the precoolers/wet scrubber includes maintaining the water flow, nozzle water pressure and nozzle air pressure in the range as specified by the manufacturer or as determined during performance testing. **(R 336.1205, R 336.1225, R 336.1702(a), R 336.1901, R 336.1910)**
3. The permittee shall not operate EUECHIPDRYER (east chip dryer) unless the equivalent or better control to EUWCHIPDRYER is installed, maintained, and operated in a satisfactory manner. **(R 336.1225, R 336.1702(a), R 336.1901, R 336.1910, R 336.2804, 40 CFR 52.21 (d))**

V. TESTING/SAMPLING

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

1. Within 90 days after restart of EUECHIPDRYER, the permittee shall verify the lead, PM, sulfuric acid, and hydrogen chloride emission rates from EUECHIPDRYER by testing at owner's expense, in accordance with Department requirements. The permittee must complete the testing once every five years, thereafter. No less than 60 days prior to testing, the permittee shall submit a complete test plan to the AQD. The AQD must approve the final plan prior to testing. Verification of emission rates 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 336.1224, R 336.1225, R 336.2001, R 336.2003, R 336.2004, R 336.2804, 40 CFR 52.21 (d))**

2. Within the first five years after permit issuance, the permittee shall verify the lead, PM, sulfuric acid, and hydrogen chloride emission rates from EUWCHIPDRYER, by testing at owner's expense, in accordance with Department requirements. The permittee must complete the testing once every five years, thereafter. 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 emission rates 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 336.1224, R 336.1225, R 336.1331, R 336.2001, R 336.2003, R 336.2004, R 336.2804, 40 CFR 52.21 (d))**

VI. MONITORING/RECORDKEEPING

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

1. The permittee shall install, calibrate, maintain and operate in a satisfactory manner a device to monitor and record the temperature of the thermal oxidizer on a continuous basis when the associated chip dryer is operating. **(R 336.1205, R 336.1225, R 336.1702(a), R 336.1901, R 336.1910)**
2. The permittee shall maintain a log of all maintenance activities conducted according to the PM / MAP (pursuant to SC III.1). The permittee shall keep this log on file at the facility and make it available to the Department upon request. **(R 336.1205, R 336.1224, R 336.1225, R 336.1702(a), R 336.1911, R 336.2804, 40 CFR 52.21 (d))**
3. The permittee shall install, calibrate, maintain and operate in a satisfactory manner a device to monitor and record the nozzle water pressure for the precooler/scrubber system when the associated chip dryer is operating. **(R 336.1205, R 336.1225, R 336.1702(a), R 336.1901, R 336.1910)**
4. The permittee shall keep, in a satisfactory manner, a record of a reading that will be taken once each shift of the nozzle water pressure for the precooler/scrubber system for each associated chip dryer that is operating. All records shall be kept on file at the facility and made available to the Department upon request. **(R 336.1205, R 336.1225, R 336.1702, R 336.1901, R 336.1910, R 336.2804, 40 CFR 52.21(d))**
5. The permittee shall install, calibrate, maintain and operate in a satisfactory manner a device to monitor and record the water flow rate for the precooler/scrubber system when the associated chip dryer is operating. **(R 336.1205, R 336.1225, R 336.1702(a), R 336.1901, R 336.1910)**
6. The permittee shall keep, in a satisfactory manner, a record of a reading that will be taken once each shift of the water flow rate to the precooler/scrubber system for each associated chip dryer that is operating. All records shall be kept on file at the facility and made available to the Department upon request. **(R 336.1205, R 336.1225, R 336.1702, R 336.1901, R 336.1910, R 336.2804, 40 CFR 52.21(d))**

VII. REPORTING

1. At least seven calendar days prior to start-up, the permittee shall notify the AQD District Supervisor in writing of the start-up date of EUECHIPDRYER covered by this permit. **(R 336.1201)**

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. SVECHIPDRYER	24	122	R 336.1225, R 336.2804, 40 CFR 52.21 (d)
2. SVWCHIPDRYER	24	122	R 336.1225, R 336.2804, 40 CFR 52.21 (d)

IX. OTHER REQUIREMENTS

1. The minimum stack height above ground level listed in SC VIII.2 shall apply within 150 days of issuance of this permit. **(R 336.1225, R 336.2804, 40 CFR 52.21 (d))**
2. The minimum stack height above ground level listed in SC VIII.1 shall apply prior to restart of EUECHIPDRYER. **(R 336.1225, R 336.2804, 40 CFR 52.21 (d))**

Footnotes:

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

The following conditions apply to: FGMELTFURN

DESCRIPTION: Three induction melting furnaces with associated pressurized holder and three horizontal casters

Emission Units: EUMELTFURN7, EUMELTFURN8, EUMELTFURN9

POLLUTION CONTROL EQUIPMENT: Two baghouses (East and West Baghouse)

I. EMISSION LIMITS

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Testing / Monitoring Method	Underlying Applicable Requirements
1. Lead	0.02 pph	Test Protocol will specify averaging time	East baghouse	GC 13	R 336.2804, 40 CFR 52.21 (d)
2. Lead	0.01 pph	Test Protocol will specify averaging time	West baghouse	GC 13	R 336.2804, 40 CFR 52.21 (d)
3. PM	0.01 lb/1,000 lbs of exhaust gas on a dry gas basis	Test Protocol will specify averaging time	Each baghouse	GC 13	R 336.1331
4. PM	2.3 pph	Test Protocol will specify averaging time	Each baghouse	GC 13	R 336.1331
5. Copper	1 mg/dscm	Test Protocol will specify averaging time	Each baghouse	GC 13	R 336.1225
6. Zinc	33 mg/dscm	Test Protocol will specify averaging time	Each baghouse	GC 13	R 336.1225
7. Lead	5 mg/dscm	Test Protocol will specify averaging time	Each baghouse	GC 13	R 336.1225

II. MATERIAL LIMITS

NA

III. PROCESS/OPERATIONAL RESTRICTIONS

1. No later than 60 days after issuance of this permit, the permittee shall submit to the AQD District Supervisor, for review and approval, a preventative maintenance / malfunction abatement plan (PM / MAP) for FGMELTFURN. After approval of the PM / MAP by the AQD District Supervisor, the permittee shall not operate FGMELTFURN unless the PM / MAP, or an alternate plan approved by the AQD District Supervisor, is implemented and maintained. The plan shall incorporate procedures recommended by the equipment manufacturer as well as incorporating standard industry practices. At a minimum the plan shall include:
 - a) Identification of the equipment and, if applicable, air-cleaning device and the supervisory personnel responsible for overseeing the inspection, maintenance, and repair
 - b) Description of the items or conditions to be inspected and frequency of the inspections or repairs

- c) Identification of the equipment and, if applicable, air-cleaning device, operating parameters that shall be monitored to detect a malfunction or failure, the normal operating range of these parameters and a description of the method of monitoring or surveillance procedures
- d) Identification of the major replacement parts that shall be maintained in inventory for quick replacement
- e) 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 the plan fails to address or inadequately addresses an event that meets the characteristics of a malfunction at the time the plan is initially developed, the owner or operator shall revise the plan within 45 days after such an event occurs and submit the revised plan for approval to the AQD District Supervisor. Should the AQD determine the PM / MAP to be inadequate, the AQD District Supervisor may request modification of the plan to address those inadequacies. **(R 336.1205, R 336.1225, R 336.1331, R 336.1910, R 336.1911, R 336.1912, R 336.2804, 40 CFR 52.21 (d))**

IV. DESIGN/EQUIPMENT PARAMETERS

- 1. The permittee shall not operate induction melting furnaces 7 and 8 (EUMELTFURN7 and EUMELTFURN8) in FGMELTFURN unless the east baghouse is installed, maintained, and operated in a satisfactory manner. Satisfactory operation of the baghouse includes maintaining the pressure drop in the range as specified by the manufacturer or as determined during performance testing. **(R 336.1205, R 336.1225, R 336.1331, R 336.1901, R 336.1910)**
- 2. The permittee shall not operate induction melting furnace 9 (EUMELTFURN9) in FGMELTFURN unless the west baghouse is installed, maintained, and operated in a satisfactory manner. Satisfactory operation of the baghouse includes maintaining the pressure drop in the range as specified by the manufacturer or as determined during performance testing. **(R 336.1205, R 336.1225, R 336.1331, R 336.1901, 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 maintain a log of all maintenance activities conducted according to the PM / MAP (pursuant to SC III.1). The permittee shall keep this log on file at the facility and make it available to the Department upon request. **(R 336.1205, R 336.1225, R 336.1331, R 336.1911, R 336.2804, 40 CFR 52.21 (d))**
- 2. The permittee shall install, calibrate, maintain and operate in a satisfactory manner a device to monitor and record the pressure drop across each baghouse in FGMELTFURN on a continuous basis when the associated induction melting furnaces are operating. **(R 336.1205, R 336.1225, R 336.1331, R 336.1901, 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. SVEBAGHOUSE	50	35.7	R 336.1331, R 336.2804, 40 CFR 52.21 (d)
2. SVWBAGHOUSE	60	40	R 336.1331, R 336.2804, 40 CFR 52.21 (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 Source-Wide to: FGFACILITY

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

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

NA

IX. OTHER REQUIREMENTS

1. The permittee shall comply with all provisions of the National Emission Standards for Hazardous Air Pollutants for Secondary Nonferrous Metals Processing Area Sources, 40 CFR Part 63, Subpart TTTTTT, as applicable to FGFACILITY. **(40 CFR Part 63, Subparts A and TTTTTT)**

Footnotes:

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