

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

February 14, 2024

PERMIT TO INSTALL
86-23A

ISSUED TO
Modineer Co. LLC

LOCATED AT
2121 West Chicago Road
Niles, Michigan 49120

IN THE COUNTY OF
Berrien

STATE REGISTRATION NUMBER
P1341

The Air Quality Division has approved this Permit to Install, pursuant to the delegation of authority from the Michigan Department of Environment, Great Lakes, and Energy. This permit is hereby issued in accordance with and subject to Section 5505(1) of Article II, Chapter I, Part 55, Air Pollution Control, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended. Pursuant to Air Pollution Control Rule 336.1201(1), this permit constitutes the permittee's authority to install the identified emission unit(s) in accordance with all administrative rules of the Department and the attached conditions. Operation of the emission unit(s) identified in this Permit to Install is allowed pursuant to Rule 336.1201(6).

DATE OF RECEIPT OF ALL INFORMATION REQUIRED BY RULE 203: December 6, 2023	
DATE PERMIT TO INSTALL APPROVED: February 14, 2024	SIGNATURE:
DATE PERMIT VOIDED:	SIGNATURE:
DATE PERMIT REVOKED:	SIGNATURE:

PERMIT TO INSTALL

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COMMON ACRONYMS

AQD	Air Quality Division
BACT	Best Available Control Technology
CAA	Clean Air Act
CAM	Compliance Assurance Monitoring
CEMS	Continuous Emission Monitoring System
CFR	Code of Federal Regulations
COMS	Continuous Opacity Monitoring System
Department/department/EGLE	Michigan Department of Environment, Great Lakes, and Energy
EU	Emission Unit
FG	Flexible Group
GACS	Gallons of Applied Coating Solids
GC	General Condition
GHGs	Greenhouse Gases
HVLP	High Volume Low Pressure*
ID	Identification
IRSL	Initial Risk Screening Level
ITSL	Initial Threshold Screening Level
LAER	Lowest Achievable Emission Rate
MACT	Maximum Achievable Control Technology
MAERS	Michigan Air Emissions Reporting System
MAP	Malfunction Abatement Plan
MSDS	Material Safety Data Sheet
NA	Not Applicable
NAAQS	National Ambient Air Quality Standards
NESHAP	National Emission Standard for Hazardous Air Pollutants
NSPS	New Source Performance Standards
NSR	New Source Review
PS	Performance Specification
PSD	Prevention of Significant Deterioration
PTE	Permanent Total Enclosure
PTI	Permit to Install
RACT	Reasonable Available Control Technology
ROP	Renewable Operating Permit
SC	Special Condition
SCR	Selective Catalytic Reduction
SNCR	Selective Non-Catalytic Reduction
SRN	State Registration Number
TBD	To Be Determined
TEQ	Toxicity Equivalence Quotient
USEPA/EPA	United States Environmental Protection Agency
VE	Visible Emissions

*For HVLP applicators, the pressure measured at the gun air cap shall not exceed 10 psig.

POLLUTANT / MEASUREMENT ABBREVIATIONS

acfm	Actual cubic feet per minute
BTU	British Thermal Unit
°C	Degrees Celsius
CO	Carbon Monoxide
CO ₂ e	Carbon Dioxide Equivalent
dscf	Dry standard cubic foot
dscm	Dry standard cubic meter
°F	Degrees Fahrenheit
gr	Grains
HAP	Hazardous Air Pollutant
Hg	Mercury
hr	Hour
HP	Horsepower
H ₂ S	Hydrogen Sulfide
kW	Kilowatt
lb	Pound
m	Meter
mg	Milligram
mm	Millimeter
MM	Million
MW	Megawatts
NMOC	Non-Methane Organic Compounds
NO _x	Oxides of Nitrogen
ng	Nanogram
PM	Particulate Matter
PM10	Particulate Matter equal to or less than 10 microns in diameter
PM2.5	Particulate Matter equal to or less than 2.5 microns in diameter
pph	Pounds per hour
ppm	Parts per million
ppmv	Parts per million by volume
ppmw	Parts per million by weight
psia	Pounds per square inch absolute
psig	Pounds per square inch gauge
scf	Standard cubic feet
sec	Seconds
SO ₂	Sulfur Dioxide
TAC	Toxic Air Contaminant
Temp	Temperature
THC	Total Hydrocarbons
tpy	Tons per year
µg	Microgram
µm	Micrometer or Micron
VOC	Volatile Organic Compounds
yr	Year

GENERAL CONDITIONS

1. The process or process equipment covered by this permit shall not be reconstructed, relocated, or modified, unless a Permit to Install authorizing such action is issued by the Department, except to the extent such action is exempt from the Permit to Install requirements by any applicable rule. **(R 336.1201(1))**
2. If the installation, construction, reconstruction, relocation, or modification of the equipment for which this permit has been approved has not commenced within 18 months, or has been interrupted for 18 months, this permit shall become void unless otherwise authorized by the Department. Furthermore, the permittee or the designated authorized agent shall notify the Department via the Supervisor, Permit Section, Air Quality Division, Michigan Department of Environment, Great Lakes, and Energy, P.O. Box 30260, Lansing, Michigan 48909-7760, if it is decided not to pursue the installation, construction, reconstruction, relocation, or modification of the equipment allowed by this Permit to Install. **(R 336.1201(4))**
3. If this Permit to Install is issued for a process or process equipment located at a stationary source that is not subject to the Renewable Operating Permit program requirements pursuant to Rule 210 (R 336.1210), operation of the process or process equipment is allowed by this permit if the equipment performs in accordance with the terms and conditions of this Permit to Install. **(R 336.1201(6)(b))**
4. The Department may, after notice and opportunity for a hearing, revoke this Permit to Install if evidence indicates the process or process equipment is not performing in accordance with the terms and conditions of this permit or is violating the Department's rules or the Clean Air Act. **(R 336.1201(8), Section 5510 of Act 451, PA 1994)**
5. The terms and conditions of this Permit to Install shall apply to any person or legal entity that now or hereafter owns or operates the process or process equipment at the location authorized by this Permit to Install. If the new owner or operator submits a written request to the Department pursuant to Rule 219 and the Department approves the request, this permit will be amended to reflect the change of ownership or operational control. The request must include all of the information required by subrules (1)(a), (b), and (c) of Rule 219 and shall be sent to the District Supervisor, Air Quality Division, Michigan Department of Environment, Great Lakes, and Energy. **(R 336.1219)**
6. Operation of this equipment shall not result in the emission of an air contaminant which causes injurious effects to human health or safety, animal life, plant life of significant economic value, or property, or which causes unreasonable interference with the comfortable enjoyment of life and property. **(R 336.1901)**
7. The permittee shall provide notice of an abnormal condition, start-up, shutdown, or malfunction that results in emissions of a hazardous or toxic air pollutant which continue for more than one hour in excess of any applicable standard or limitation, or emissions of any air contaminant continuing for more than two hours in excess of an applicable standard or limitation, as required in Rule 912, to the Department. The notice shall be provided not later than two business days after start-up, shutdown, or discovery of the abnormal condition or malfunction. Written reports, if required, must be filed with the Department within 10 days after the start-up or shutdown occurred, within 10 days after the abnormal condition or malfunction has been corrected, or within 30 days of discovery of the abnormal condition or malfunction, whichever is first. The written reports shall include all of the information required in Rule 912(5). **(R 336.1912)**
8. Approval of this permit does not exempt the permittee from complying with any future applicable requirements which may be promulgated under Part 55 of 1994 PA 451, as amended or the Federal Clean Air Act.
9. Approval of this permit does not obviate the necessity of obtaining such permits or approvals from other units of government as required by law.
10. Operation of this equipment may be subject to other requirements of Part 55 of 1994 PA 451, as amended and the rules promulgated thereunder.

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

EMISSION UNIT SPECIAL CONDITIONS

EMISSION UNIT SUMMARY TABLE

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

Emission Unit ID	Emission Unit Description (Including Process Equipment & Control Device(s))	Installation Date / Modification Date	Flexible Group ID
EU10KLASER	10kW laser cutting machine (Asset No. 6525). Emissions are vented into the plant environment.	12/2022	FGMETALWORKING
EU12KLASER	12kW laser cutting machine (Asset No. 6532). Emissions are vented into the plant environment.	12/2022	FGMETALWORKING
EU20KLASER1	20kW laser cutting machine (Asset No. 6526). Emissions are vented into the plant environment.	TBD	FGMETALWORKING
EU20KLASER2	20kW laser cutting machine (Asset No. 6527). Emissions are vented into the plant environment.	TBD	FGMETALWORKING
EU20KLASER3	20kW laser cutting machine (Asset No. 6528). Emissions are vented into the plant environment.	TBD	FGMETALWORKING
EU20KLASER4	20kW laser cutting machine (Asset No. 6529). Emissions are vented into the plant environment.	TBD	FGMETALWORKING
EU20KLASER5	20kW laser cutting machine (Asset No. 6530). Emissions are vented into the plant environment.	TBD	FGMETALWORKING
EU20KLASER6	20kW laser cutting machine (Asset No. 6531). Emissions are vented into the plant environment.	TBD	FGMETALWORKING
EU20KLASER7	20kW laser cutting machine (Asset No. 6532). Emissions are vented into the plant environment.	TBD	FGMETALWORKING
EU20KLASER8	20kW laser cutting machine (Asset No. 6533). Emissions are vented into the plant environment.	TBD	FGMETALWORKING
EUSPOTWELD1	Spot welding unit (Asset No. 2537). Emissions are vented into the plant environment.	12/2022	FGSPOTWELDING
EUSPOTWELD2	Spot welding unit (Asset No. 2546). Emissions are vented into the plant environment.	12/2022	FGSPOTWELDING
EUSPOTWELD3	Spot welding unit (Asset No. 2536). Emissions are vented into the plant environment.	12/2022	FGSPOTWELDING
EUSPOTWELD4	Spot welding unit (Asset No. 2538). Emissions are vented into the plant environment.	12/2022	FGSPOTWELDING
EUSPOTWELD5	Spot welding unit (Asset No. 515). Emissions are vented into the plant environment.	12/2022	FGSPOTWELDING

Emission Unit ID	Emission Unit Description (Including Process Equipment & Control Device(s))	Installation Date / Modification Date	Flexible Group ID
EUSPOTWELD6	Spot welding unit (Asset No. 2548). Emissions are vented into the plant environment.	12/2022	FGSPOTWELDING
EUSPOTWELD7	Spot welding unit (Asset No. 2547). Emissions are vented into the plant environment.	12/2022	FGSPOTWELDING
EUSPOTWELD8	Spot welding unit (Asset No. 2549). Emissions are vented into the plant environment.	12/2022	FGSPOTWELDING
EUSPOTWELD9	Spot welding unit (Asset No. 2515). Emissions are vented into the plant environment.	12/2022	FGSPOTWELDING
EUWELDING1	GMAW (MIG) welding unit (Asset No. 306). Emissions are vented into the plant environment.	12/2022	FGWELDING
EUWELDING2	GMAW (MIG) welding unit (Asset No. 302). Emissions are vented into the plant environment.	12/2022	FGWELDING
EUWELDING3	GMAW (MIG) welding unit (Asset No. 3049).	12/2022	FGWELDING
EUWELDING4	GMAW (MIG) welding unit (Asset No. 3072). Emissions are vented into the plant environment.	12/2022	FGWELDING
EUWELDING5	GMAW (MIG) welding unit (Asset No. 3037).	12/2022	FGWELDING
EUWELDING6	GMAW (MIG) welding unit (Asset No. 3099).	12/2022	FGWELDING
EUWELDING7	GMAW (MIG) welding unit (Asset No. 3100).	12/2022	FGWELDING
EUWELDING8	GMAW (MIG) welding unit (Asset No. 3101).	12/2022	FGWELDING
EUWELDING9	GMAW (MIG) welding unit (Asset No. 3059). Emissions are vented into the plant environment.	12/2022	FGWELDING
EUWELDING10	GMAW (MIG) welding unit (Asset No. 3103).	12/2022	FGWELDING
EUWELDING11	GMAW (MIG) welding unit (Asset No. 3104).	12/2022	FGWELDING
EUWELDING12	GMAW (MIG) welding unit (Asset No. 3105). Emissions are vented into the plant environment.	12/2022	FGWELDING
EUWELDING13	GMAW (MIG) welding unit (Asset No. 3082).	12/2022	FGWELDING
EUWELDING14	GMAW (MIG) welding unit (Asset No. 3097).	12/2022	FGWELDING
EUWELDING15	GMAW (MIG) welding unit (Asset No. 310).	12/2022	FGWELDING
EUWELDING16	GMAW (MIG) welding unit (Asset No. 304). Emissions are vented into the plant environment.	12/2022	FGWELDING
EUWELDING17	GMAW (MIG) welding unit (Asset No. 303). Emissions are vented into the plant environment.	12/2022	FGWELDING
EUWELDING18	GMAW (MIG) welding unit (Asset No. 3085). Emissions are vented into the plant environment.	12/2022	FGWELDING
EUWELDING19	GMAW (MIG) welding unit (Asset No. 309). Emissions are vented into the plant environment.	12/2022	FGWELDING
EUWELDING20	GMAW (MIG) welding unit (Asset No. 3093). Emissions are vented into the plant environment.	12/2022	FGWELDING

Emission Unit ID	Emission Unit Description (Including Process Equipment & Control Device(s))	Installation Date / Modification Date	Flexible Group ID
EUWELDING21	GMAW (MIG) welding unit (Asset No. 315). Emissions are vented into the plant environment.	12/2022	FGWELDING
EUWELDING22	GMAW (MIG) welding unit (Asset No. 3045).	12/2022	FGWELDING
EUWELDING23	GMAW (MIG) welding unit (Asset No. 3085).	12/2022	FGWELDING
EUWELDING24	GMAW (MIG) welding unit (Asset No. 3115). Emissions are vented into the plant environment.	12/2022	FGWELDING
EUWELDING25	GMAW (MIG) welding unit (Asset No. 7651). Emissions are vented into the plant environment.	12/2022	FGWELDING
EUWELDING26	GMAW (MIG) welding unit (Asset No. 3033).	12/2022	FGWELDING
EUWELDING27	GMAW (MIG) welding unit (Asset No. 311).	12/2022	FGWELDING
EUWELDING28	GMAW (MIG) welding unit (Asset No. 3106). Emissions are vented into the plant environment.	12/2022	FGWELDING
EUWELDING29	GMAW (MIG) welding unit (Asset No. 3107). Emissions are vented into the plant environment.	12/2022	FGWELDING
EUWELDING30	GMAW (MIG) welding unit (Asset No. 3109). Emissions are vented into the plant environment.	12/2022	FGWELDING
EUWELDING31	GMAW (MIG) welding unit (Asset No. 3108). Emissions are vented into the plant environment.	12/2022	FGWELDING
EUWELDING32	GMAW (MIG) welding unit (Asset No. 3112). Emissions are vented into the plant environment.	12/2022	FGWELDING
EUWELDING33	GMAW (MIG) welding unit (Asset No. 3113). Emissions are vented into the plant environment.	12/2022	FGWELDING
EUWELDING34	GMAW (MIG) welding unit (Asset No. 3114). Emissions are vented into the plant environment.	12/2022	FGWELDING
EUWELDING35	GMAW (MIG) welding unit (Asset No. 6535). Emissions are vented into the plant environment.	12/2022	FGWELDING
EUWELDING36	GMAW (MIG) welding unit (Asset No. 3111). Emissions are vented into the plant environment.	12/2022	FGWELDING
EUWELDING37	GMAW (TIG) welding unit (Asset No. 3110). Emissions are vented into the plant environment.	12/2022	FGWELDING
EUWELDING38	GMAW (TIG) welding unit (Asset No. 3117). Emissions are vented into the plant environment.	12/2022	FGWELDING
EUWELDING39	GMAW (TIG) welding unit (Asset No. 3118). Emissions are vented into the plant environment.	12/2022	FGWELDING
EUWELDING40	GMAW (MIG) welding unit (Asset No. 3019). Emissions are vented into the plant environment.	TBD	FGWELDING

Emission Unit ID	Emission Unit Description (Including Process Equipment & Control Device(s))	Installation Date / Modification Date	Flexible Group ID
EUWELDING41	GMAW (MIG) welding unit (Asset No. 3020). Emissions are vented into the plant environment.	TBD	FGWELDING
EUWELDING42	GMAW (MIG) welding unit (Asset No. 3021). Emissions are vented into the plant environment.	TBD	FGWELDING
EUWELDING43	GMAW (MIG) welding unit (Asset No. 3022). Emissions are vented into the plant environment.	TBD	FGWELDING
EUWELDING44	GMAW (MIG) welding unit (Asset No. 3023). Emissions are vented into the plant environment.	TBD	FGWELDING
EUWELDING45	GMAW (MIG) welding unit (Asset No. 3024). Emissions are vented into the plant environment.	TBD	FGWELDING
EUWELDING46	GMAW (MIG) welding unit (Asset No. 3025). Emissions are vented into the plant environment.	TBD	FGWELDING
EUWELDING47	GMAW (MIG) welding unit (Asset No. 3026). Emissions are vented into the plant environment.	TBD	FGWELDING
EUWELDING48	GMAW (MIG) welding unit (Asset No. 3027). Emissions are vented into the plant environment.	TBD	FGWELDING
EUWELDING49	GMAW (MIG) welding unit (Asset No. 3028). Emissions are vented into the plant environment.	TBD	FGWELDING
EUWELDING50	GMAW (MIG) welding unit (Asset No. 3029). Emissions are vented into the plant environment.	TBD	FGWELDING
EUWELDING51	GMAW (MIG) welding unit (Asset No. 3030). Emissions are vented into the plant environment.	TBD	FGWELDING
EUWELDING52	GMAW (MIG) welding unit (Asset No. 3031). Emissions are vented into the plant environment.	TBD	FGWELDING
EUWELDING53	GMAW (MIG) welding unit (Asset No. 3032). Emissions are vented into the plant environment.	TBD	FGWELDING
EUWELDING54	GMAW (MIG) welding unit (Asset No. 3063). Emissions are vented into the plant environment.	TBD	FGWELDING
EUWELDING55	GMAW (MIG) welding unit (Asset No. 3034). Emissions are vented into the plant environment.	TBD	FGWELDING
EUWELDING56	GMAW (MIG) welding unit (Asset No. 3035). Emissions are vented into the plant environment.	TBD	FGWELDING
EUWELDING57	GMAW (MIG) welding unit (Asset No. 3036). Emissions are vented into the plant environment.	TBD	FGWELDING

Emission Unit ID	Emission Unit Description (Including Process Equipment & Control Device(s))	Installation Date / Modification Date	Flexible Group ID
EUWELDING58	GMAW (MIG) welding unit (Asset No. 3062). Emissions are vented into the plant environment.	TBD	FGWELDING
EUWELDING59	GMAW (MIG) welding unit (Asset No. 3038). Emissions are vented into the plant environment.	TBD	FGWELDING
EUWELDING60	GMAW (MIG) welding unit (Asset No. 3040). Emissions are vented into the plant environment.	TBD	FGWELDING
EUWELDING61	GMAW (MIG) welding unit (Asset No. 3041). Emissions are vented into the plant environment.	TBD	FGWELDING
EUWELDING62	GMAW (MIG) welding unit (Asset No. 3042). Emissions are vented into the plant environment.	TBD	FGWELDING
EUWELDING63	GMAW (MIG) welding unit (Asset No. 3043). Emissions are vented into the plant environment.	TBD	FGWELDING
EUWELDING64	GMAW (MIG) welding unit (Asset No. 3044). Emissions are vented into the plant environment.	TBD	FGWELDING
EUWELDING65	GMAW (MIG) welding unit (Asset No. 3045). Emissions are vented into the plant environment.	TBD	FGWELDING
EUWELDING66	GMAW (MIG) welding unit (Asset No. 3046). Emissions are vented into the plant environment.	TBD	FGWELDING
EUWELDING67	GMAW (MIG) welding unit (Asset No. 3047). Emissions are vented into the plant environment.	TBD	FGWELDING
EUWELDING68	GMAW (MIG) welding unit (Asset No. 3048). Emissions are vented into the plant environment.	TBD	FGWELDING
EUWELDING69	GMAW (MIG) welding unit (Asset No. 3061). Emissions are vented into the plant environment.	TBD	FGWELDING
EUWELDING70	GMAW (MIG) welding unit (Asset No. 3050). Emissions are vented into the plant environment.	TBD	FGWELDING
EUWELDING71	GMAW (MIG) welding unit (Asset No. 3051). Emissions are vented into the plant environment.	TBD	FGWELDING
EUWELDING72	GMAW (MIG) welding unit (Asset No. 3052). Emissions are vented into the plant environment.	TBD	FGWELDING
EUWELDING73	GMAW (MIG) welding unit (Asset No. 3053). Emissions are vented into the plant environment.	TBD	FGWELDING
EUWELDING74	GMAW (MIG) welding unit (Asset No. 3054). Emissions are vented into the plant environment.	TBD	FGWELDING

Emission Unit ID	Emission Unit Description (Including Process Equipment & Control Device(s))	Installation Date / Modification Date	Flexible Group ID
EUWELDING75	GMAW (MIG) welding unit (Asset No. 3055). Emissions are vented into the plant environment.	TBD	FGWELDING
EUWELDING76	GMAW (MIG) welding unit (Asset No. 3056). Emissions are vented into the plant environment.	TBD	FGWELDING
EUWELDING77	GMAW (MIG) welding unit (Asset No. 3057). Emissions are vented into the plant environment.	TBD	FGWELDING
EUWELDING78	GMAW (MIG) welding unit (Asset No. 3058). Emissions are vented into the plant environment.	TBD	FGWELDING
EUWELDING79	GMAW (MIG) welding unit (Asset No. 3059). Emissions are vented into the plant environment.	TBD	FGWELDING
EUWELDING80	GMAW (MIG) welding unit (Asset No. 3060). Emissions are vented into the plant environment.	TBD	FGWELDING
EUWELDING81	GMAW (MIG) welding unit (Asset No. 6262).	TBD	FGWELDING
EUWELDING82	GMAW (MIG) welding unit (Asset No. 6263).	TBD	FGWELDING
EUCNC1	Material cutting and machining unit/lathe (Asset No. 5029). Emissions are vented into the plant environment.	12/2022	FGMETALWORKING
EUCNC2	Material cutting and machining unit (Asset No. 6501). Emissions are vented into the plant environment.	12/2022	FGMETALWORKING
EUCNC3	Material cutting and machining unit (Asset No. 6504). Emissions are vented into the plant environment.	12/2022	FGMETALWORKING
EUCNC4	Material cutting and machining unit (Asset No. 6505). Emissions are vented into the plant environment.	12/2022	FGMETALWORKING
EUCNC5	Material cutting and machining unit (Asset No. 6513). Emissions are vented into the plant environment.	12/2022	FGMETALWORKING
EUCNC6	Material cutting and machining unit (Asset No. 6523).	12/2022	FGMETALWORKING
EUCNC7	Material cutting and machining unit (Asset No. 6524). Emissions are vented into the plant environment.	12/2022	FGMETALWORKING
EUSAW1	Material cutting using saws (Asset No. 202). Emissions are vented into the plant environment.	12/2022	FGMETALWORKING
EUSAW2	Material cutting using saws (Asset No. 203). Emissions are vented into the plant environment.	12/2022	FGMETALWORKING
EUSAW3	Material cutting using saws (Asset No. 204). Emissions are vented into the plant environment.	12/2022	FGMETALWORKING
EUSAW4	Material cutting using saws (Asset No. 205). Emissions are vented into the plant environment.	12/2022	FGMETALWORKING

Emission Unit ID	Emission Unit Description (Including Process Equipment & Control Device(s))	Installation Date / Modification Date	Flexible Group ID
EUBURNOFFOVEN	A batch-style, natural gas-fired burnoff oven used to remove excess coatings from metal parts (Asset No. 6443). The primary chamber is rated at 395,000 BTU/hr and the secondary chamber (afterburner) is rated at 395,00 BTU/hr.	12/2022	NA
EUPOWDERCOAT	Powder coating system (Asset No. 7657) that includes a pre-wash system, a curing oven (Asset No. 71111), and a drying oven. Emissions from the powder coating unit are vented into the plant environment and emissions from the cure oven are vented to a stack.	12/2022	NA
EUAEROSOL	Touch-up coating operation using aerosol spray cans.	12/2022	NA
EUCANPUNCTURE	Aerosol can puncture drum. Emissions are controlled by a carbon filter valve and are vented into the plant environment.	12/2022	NA
EUECOAT	Electrodeposition coating (E-coating) system consisting of a 7-stage pretreatment system (using alkaline cleaners and RO rinses) and an E-coating booth.	TBD	NA

Changes to the equipment described in this table are subject to the requirements of R 336.1201, except as allowed by R 336.1278 to R 336.1291.

EUBURNOFFOVEN EMISSION UNIT CONDITIONS

DESCRIPTION

A batch-style, natural gas-fired burnoff oven used to remove excess coatings from metal parts (Asset No. 6443). The primary chamber is rated at 395,000 BTU/hr and the secondary chamber (afterburner) is rated at 395,00 BTU/hr.

Flexible Group ID: NA

POLLUTION CONTROL EQUIPMENT

Secondary chamber (afterburner)

I. EMISSION LIMIT(S)

1. There shall be no visible emissions from EUBURNOFFOVEN. **(R 336.1301, R 1910)**

II. MATERIAL LIMIT(S)

1. The permittee shall burn only natural gas in EUBURNOFFOVEN. **(R 336.1224, R 336.1225)**
2. The permittee shall not process any material in EUBURNOFFOVEN other than cured coatings on metal parts, racks and/or hangers.¹ **(R 336.1224, R 336.1225)**
3. The individual halogen content (i.e. fluorine, chlorine, bromine, etc.) of any material removed from racks or parts in EUBURNOFFOVEN shall not exceed 0.1 percent by weight.¹ **(R 336.1224, R 336.1225)**

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. The permittee shall not use EUBURNOFFOVEN for the thermal destruction or removal of uncured paints or any other materials containing halogens (fluorine, chlorine, bromine, etc.), except as allowed in SC II.3.¹ **(R 336.1224, R 336.1225)**
2. The permittee shall not load any transformer cores, which may be contaminated with PCB-containing dielectric fluid, wire or parts coated with lead or rubber, or any waste materials such as paint sludge or waste powder coatings into EUBURNOFFOVEN.¹ **(R 336.1224, R 336.1225)**

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. The permittee shall not operate EUBURNOFFOVEN unless a secondary chamber or afterburner is installed, maintained, and operated in a satisfactory manner. Satisfactory operation of the secondary chamber or afterburner includes maintaining a minimum temperature of 1400°F and a minimum retention time of 0.5 seconds. **(R 336.1224, R 336.1225, R 336.1301, R 336.1910)**
2. The permittee shall not operate EUBURNOFFOVEN unless an automatic temperature control system for the primary chamber and secondary chamber or afterburner is installed, maintained, and operated in a satisfactory manner. **(R 336.1224, R 336.1225, R 336.1301, R 336.1910)**

3. The permittee shall not operate EUBURNOFFOVEN unless an interlock system is installed, maintained, and operated in a satisfactory manner. The interlock system shuts down the primary chamber burner when the secondary chamber or afterburner is not operating properly, such as in the following scenarios: **(R 336.1224, R 336.1225, R 336.1301, R 336.1910)**
 - a) Loss of afterburner flame,
 - b) Low air flow, and
 - c) Upon startup, preventing the primary chamber burner from firing until after the afterburner is greater than 1400°F.

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 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 336.1224, R 336.1225, R 336.1301)**
2. The permittee shall install, calibrate, maintain, and operate in a satisfactory manner a device to continuously monitor the temperature in the secondary chamber or afterburner portion of EUBURNOFFOVEN and record the temperature at least once every 15 minutes. The records shall be kept in a format acceptable to the AQD District Supervisor. The permittee shall keep the records on file at the facility and make them available to the Department upon request. **(R 336.1224, R 336.1225, R 336.1301, R 336.1910)**
3. The permittee shall calibrate the thermocouples associated with the primary and secondary chamber portions of EUBURNOFFOVEN at least once per year. **(R 336.1224, R 336.1225, R 336.1910)**
4. Upon installation of the temperature recording device as required by SC VI.1, the permittee shall keep, in a satisfactory manner, temperature data records for the secondary chamber or afterburner portion of EUBURNOFFOVEN. The records shall be kept in a format acceptable to the AQD District 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 336.1301, R 336.1910)**
5. The permittee shall keep, in a satisfactory manner, records of the date, duration, and description of any malfunction of the control equipment, any maintenance performed and any testing results for EUBURNOFFOVEN. All records shall be kept on file for a period of at least five years and made available to the Department upon request. **(R 336.1910, R 336.1912)**
6. The permittee shall maintain a current listing from the manufacturer of the chemical composition of each material (cured coatings) processed in EUBURNOFFOVEN, including the weight percent of each component. The data may consist of 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.¹ **(R 336.1224, R 336.1225)**
7. The permittee shall maintain current information from the manufacturer that EUBURNOFFOVEN is equipped with a secondary chamber or afterburner, an automatic temperature control system for the primary chamber and secondary chamber or afterburner, and an interlock system that shuts down the primary chamber burner when the secondary chamber or afterburner is not operating properly. All records shall be kept on file for a period of at least five years and made available to the Department upon request.¹ **(R 336.1224, R 336.1225)**

VII. REPORTING

NA

VIII. STACK/VENT RESTRICTION(S)

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

Stack & Vent ID	Maximum Exhaust Diameter / Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
1. SV004 ^a (Burn off oven stack)	19	41	R 336.1225, 40 CFR 52.21 (c) and (d)
^a This stack is not required to be discharged unobstructed vertically upwards.			

IX. OTHER REQUIREMENT(S)

NA

Footnotes:

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

EUPOWDERCOAT EMISSION UNIT CONDITIONS

DESCRIPTION

Powder coating system (Asset No. 7657) that includes a pre-wash system, a curing oven (Asset No. 71111), and a drying oven. Emissions from the power coating unit are vented into the plant environment and emissions from the cure oven are vented to a stack.

Flexible Group ID: NA

POLLUTION CONTROL EQUIPMENT

Two-stage filtration system for particulate matter.

I. EMISSION LIMIT(S)

NA

II. MATERIAL LIMIT(S)

NA

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. The permittee shall dispose of spent filters in a manner which minimizes the introduction of air contaminants to the outer air. **(R 336.1224, R 336.1225, R 336.1370(1))**

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. The permittee shall not operate the powder coating portion of EUPOWDERCOAT unless all respective exhaust filters are installed, maintained and operated in a satisfactory manner. **(R 336.1224, R 336.1225, R 336.1301, 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 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 336.1224, R 336.1225)**

VII. REPORTING

NA

VIII. STACK/VENT RESTRICTION(S)

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

Stack & Vent ID	Maximum Exhaust Diameter / Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
1. SV005 ^a (Cure oven stack)	11	44	R 336.1225, 40 CFR 52.21 (c) and (d)
2. SV006 ^a (Drying oven stack)	11	44	R 336.1225, 40 CFR 52.21 (c) and (d)

3. The exhaust gases from the powder coating portion of EUPOWDERCOAT shall be released only into the general in-plant environment. **(R 336.1225, 40 CFR 52.21(c) and (d))**

IX. OTHER REQUIREMENT(S)

NA

Footnotes:

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

EUAEROSOL EMISSION UNIT CONDITIONS

DESCRIPTION

Touch-up coating operation using aerosol spray cans.

Flexible Group ID: NA

POLLUTION CONTROL EQUIPMENT

NA

I. EMISSION LIMIT(S)

NA

II. MATERIAL LIMIT(S)

NA

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. The permittee shall handle all VOC and/or HAP containing materials, including coatings, reducers, solvents and thinners, 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 336.1224, R 336.1225, R 336.1702(a))**

IV. DESIGN/EQUIPMENT PARAMETER(S)

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 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 336.1224, R 336.1225, R 336.1702)**

VII. REPORTING

NA

VIII. STACK/VENT RESTRICTION(S)

1. The exhaust gases from EUAEROSOL shall be released only into the general in-plant environment. **(R 336.1225, 40 CFR 52.21(c) and (d))**

IX. OTHER REQUIREMENT(S)

1. The permittee shall comply with all applicable provisions of the National Emission Standards for Hazardous Air Pollutants, as specified in 40 CFR Part 63, Subpart A and Subpart HHHHHH for Paint Stripping and Miscellaneous Surface Coating by the initial compliance date. **(40 CFR Part 63, Subparts A and HHHHHH)**

Footnotes:

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

EUCANPUNCTURE EMISSION UNIT CONDITIONS

DESCRIPTION

Aerosol can puncturing drum. Emissions are controlled by a carbon filter valve. Emissions are vented into the plant environment.

Flexible Group ID: NA

POLLUTION CONTROL EQUIPMENT

Carbon filter valve

I. EMISSION LIMIT(S)

NA

II. MATERIAL LIMIT(S)

NA

III. PROCESS/OPERATIONAL RESTRICTION(S)

NA

IV. DESIGN/EQUIPMENT PARAMETER(S)

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 RESTRICTION(S)

1. The exhaust gases from EUCANPUNCTURE shall be released only into the general in-plant environment. (R 336.1225, 40 CFR 52.21(c) and (d))

IX. OTHER REQUIREMENT(S)

NA

Footnotes:

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

EUECOAT EMISSION UNIT CONDITIONS

DESCRIPTION

Electrostatic coating (E-coating) system consisting of a 7-stage pretreatment system (using alkaline cleaners and RO rinses) and an E-coating booth.

Flexible Group ID: NA

POLLUTION CONTROL EQUIPMENT

NA

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period / Operating Scenario	Equipment	Monitoring / Testing Method	Underlying Applicable Requirements
1. VOC	7.2 tpy	12-month rolling time period as determined at the end of each calendar month	EUECOAT	SC VI.3	R 336.1702(a)

II. MATERIAL LIMIT(S)

Material	Limit	Time Period / Operating Scenario	Equipment	Monitoring / Testing Method	Underlying Applicable Requirements
1. VOC	0.4 lb/gal (minus water) ^a as applied	Instantaneous	EUECOAT	SC V.1	R 336.1702(a)

^a The phrase "minus water" shall also include compounds which are used as organic solvents and which are excluded from the definition of volatile organic compound. **(R 336.1602(4))**

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. 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 336.1225, R 336.1702(a))**
2. The permittee shall dispose of spent filters in a manner which minimizes the introduction of air contaminants to the outer air. **(R 336.1225, R 336.1370(1))**
3. The permittee shall handle all VOC and/or HAP containing materials, including coatings, reducers, solvents and thinners, 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 336.1225, R 336.1702(a))**

IV. DESIGN/EQUIPMENT PARAMETER(S)

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 VOC content, water content and density of any material, as applied and as received, using federal Reference Test Method 24. Upon prior written 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)**

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 336.1224, R 336.1225, R 336.1702)**
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 336.1224, R 336.1225, R 336.1702)**
3. The permittee shall keep the following information on a monthly basis for the use of purge and clean-up solvents associated with EUECOAT:
 - a) Gallons (with water) of each material used.
 - b) VOC content (minus water and with water) of each material as applied.
 - c) VOC mass emission calculations determining the monthly emission rate in pounds per calendar month and 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 using mass balance, or an alternative method and 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 336.1702(a))**

VII. REPORTING

NA

VIII. STACK/VENT RESTRICTION(S)

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

Stack & Vent ID	Maximum Exhaust Diameter / Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
1. SV007 ^a (Pre-wash heater stack)	5	54	R 336.1225, 40 CFR 52.21 (c) and (d)
2. SV008 ^a (Pre-wash heater stack)	5	54	R 336.1225, 40 CFR 52.21 (c) and (d)
3. SV009 ^a (Cure oven stack)	18	54	R 336.1225, 40 CFR 52.21 (c) and (d)
4. SV010 ^a (E-Coat & pretreat stack)	24	54	R 336.1225, 40 CFR 52.21 (c) and (d)

^a This stack is not required to be discharged unobstructed vertically upwards.

IX. OTHER REQUIREMENT(S)

NA

Footnotes:

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

FLEXIBLE GROUP SPECIAL CONDITIONS

FLEXIBLE GROUP SUMMARY TABLE

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

Flexible Group ID	Flexible Group Description	Associated Emission Unit IDs
FGMETALWORKING	Metalworking operations consisting of saws, lasers, CNC machines, and other metal cutting and shaping machines. Emissions from all operations are emitted into the general plant area.	EU10KLASER, EU12KLASER, EU20KLASER1, EU20KLASER2, EU20KLASER3, EU20KLASER4, EU20KLASER5, EU20KLASER6, EU20KLASER7, EU20KLASER8, EUCNC1, EUCNC2, EUCNC3, EUCNC4, EUCNC5, EUCNC6, EUCNC7, EUSAW1, EUSAW2, EUSAW3, EUSAW4
FGWELDING	GMAW (MIG & TIG) welding operations consisting of eighty-two (82) welding units. Several welding units operate in booths that emit to one of three stacks while the remainder operate and emit in the general plant area.	EUWELDING1, EUWELDING2, EUWELDING3, EUWELDING4, EUWELDING5, EUWELDING6, EUWELDING7, EUWELDING8, EUWELDING9, EUWELDING10, EUWELDING11, EUWELDING12, EUWELDING13, EUWELDING14, EUWELDING15, EUWELDING16, EUWELDING17, EUWELDING18, EUWELDING19, EUWELDING20, EUWELDING21, EUWELDING22, EUWELDING23, EUWELDING24, EUWELDING25, EUWELDING26, EUWELDING27,

Flexible Group ID	Flexible Group Description	Associated Emission Unit IDs
		EUWELDING28, EUWELDING29, EUWELDING30, EUWELDING31, EUWELDING32, EUWELDING33, EUWELDING34, EUWELDING35, EUWELDING36, EUWELDING37, EUWELDING38, EUWELDING39, EUWELDING40, EUWELDING41, EUWELDING42, EUWELDING43, EUWELDING44, EUWELDING45, EUWELDING46, EUWELDING47, EUWELDING48, EUWELDING49, EUWELDING50, EUWELDING51, EUWELDING52, EUWELDING53, EUWELDING54, EUWELDING55, EUWELDING56, EUWELDING57, EUWELDING58, EUWELDING59, EUWELDING60, EUWELDING61, EUWELDING62, EUWELDING63, EUWELDING64, EUWELDING65, EUWELDING66, EUWELDING67, EUWELDING68, EUWELDING69, EUWELDING70, EUWELDING71, EUWELDING72, EUWELDING73, EUWELDING74, EUWELDING75, EUWELDING76, EUWELDING77, EUWELDING78, EUWELDING79, EUWELDING80, EUWELDING81, EUWELDING82

Flexible Group ID	Flexible Group Description	Associated Emission Unit IDs
FGSPOTWELDING	Resistance/spot welding operations.	EUSPOTWELD1, EUSPOTWELD2, EUSPOTWELD3, EUSPOTWELD4, EUSPOTWELD5, EUSPOTWELD6, EUSPOTWELD7, EUSPOTWELD8, EUSPOTWELD9

FGWELDING FLEXIBLE GROUP CONDITIONS

DESCRIPTION

GMAW (MIG & TIG) welding operations consisting of eighty-two (82) welding units. Several welding units operate in booths that emit to one of two stacks while the remainder operate and emit in the general plant area.

Emission Unit: EUWELDING1, EUWELDING2, EUWELDING3, EUWELDING4, EUWELDING5, EUWELDING6, EUWELDING7, EUWELDING8, EUWELDING9, EUWELDING10, EUWELDING11, EUWELDING12, EUWELDING13, EUWELDING14, EUWELDING15, EUWELDING16, EUWELDING17, EUWELDING18, EUWELDING19, EUWELDING20, EUWELDING21, EUWELDING22, EUWELDING23, EUWELDING24, EUWELDING25, EUWELDING26, EUWELDING27, EUWELDING28, EUWELDING29, EUWELDING30, EUWELDING31, EUWELDING32, EUWELDING33, EUWELDING34, EUWELDING35, EUWELDING36, EUWELDING37, EUWELDING38, EUWELDING39, EUWELDING40, EUWELDING41, EUWELDING42, EUWELDING43, EUWELDING44, EUWELDING45, EUWELDING46, EUWELDING47, EUWELDING48, EUWELDING49, EUWELDING50, EUWELDING51, EUWELDING52, EUWELDING53, EUWELDING54, EUWELDING55, EUWELDING56, EUWELDING57, EUWELDING58, EUWELDING59, EUWELDING60, EUWELDING61, EUWELDING62, EUWELDING63, EUWELDING64, EUWELDING65, EUWELDING66, EUWELDING67, EUWELDING68, EUWELDING69, EUWELDING70, EUWELDING71, EUWELDING72, EUWELDING73, EUWELDING74, EUWELDING75, EUWELDING76, EUWELDING77, EUWELDING78, EUWELDING79, EUWELDING80, EUWELDING81, EUWELDING82

POLLUTION CONTROL EQUIPMENT

NA

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period / Operating Scenario	Equipment	Monitoring / Testing Method	Underlying Applicable Requirements
1. PM10	0.21 pph ^a	Hourly	EUWELDING3, EUWELDING5, EUWELDING6, EUWELDING7, EUWELDING8, EUWELDING10, EUWELDING11, EUWELDING13, EUWELDING14, EUWELDING15, EUWELDING22, EUWELDING23, EUWELDING26, EUWELDING27, EUWELDING40, EUWELDING41	SC V.1	40 CFR 52.21 (c) and (d)
2. PM10	9.38 tpy	12-month rolling time period as determined at the end of each calendar month	FGWELDING	SC VI.2	40 CFR 52.21 (c) and (d)

Pollutant	Limit	Time Period / Operating Scenario	Equipment	Monitoring / Testing Method	Underlying Applicable Requirements
3. Manganese	0.23 tpy ¹	12-month rolling time period as determined at the end of each calendar month	FGWELDING	SC VI.3	R 366.1225(1)
4. Nickel	9.52 lb/yr	12-month rolling time period as determined at the end of each calendar month	FGWELDING	SC VI.4	R 366.1225(1)

^a Limit applies to each individual emission limit listed in the "Equipment" column.

II. MATERIAL LIMIT(S)

Material	Limit	Time Period / Operating Scenario	Equipment	Monitoring / Testing Method	Underlying Applicable Requirements
1. Welding Wire	952,491 lb/yr	12-month rolling time period as determined at the end of each calendar month	FGWELDING	SC VI.2	40 CFR 52.21 (c) and (d)
2. Manganese	3.18 lb/1,000 lb welding wire consumed	Instantaneous	FGWELDING	SC VI.3	R 336.1225(1)
3. Nickel	0.01 lb/1,000 lb welding wire consumed	Instantaneous	FGWELDING	SC VI.4	R 336.1225(1)

III. PROCESS/OPERATIONAL RESTRICTION(S)

NA

IV. DESIGN/EQUIPMENT PARAMETER(S)

NA

V. TESTING/SAMPLING

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

- Upon request from the AQD District Supervisor, the permittee shall verify the PM10 emission rate of each emission limit listed in SC I.1 by testing at owner's expense, in accordance with Department requirements. Testing shall be performed using an approved EPA Method listed in the table below.

Pollutant	Test Method Reference
PM10	40 CFR Part 60, Appendix M

An alternate method, or a modification to the approved EPA Method, may be specified in an AQD approved Test Protocol and must meet the requirements of the federal Clean Air Act, all applicable state and federal rules and regulations, and be within the authority of the AQD to make the change. No less than 30 days prior to testing, the permittee shall submit a complete test plan to the AQD Technical Programs Unit and District Office. The AQD must approve the final plan prior to testing, including any modifications to the method in the test protocol that are proposed after initial submittal. The permittee must submit a complete report of the test

results to the AQD Technical Programs Unit and District Office within 60 days following the last date of the test. **(R 336.2001, R 336.2003, R 336.2004, R 336.1225, 40 CFR 52.21 (c) and (d))**

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 336.1225(1), 40 CFR 52.21 (c) and (d))**
2. The permittee shall keep the following information on a monthly basis for FGWELDING:
 - a) Pounds of welding wire per calendar month.
 - b) Pounds of welding wire per 12-month rolling time period as determined at the end of each calendar month.
 - c) PM10 mass emission calculations determining the monthly emission rate in tons per calendar month.
 - d) PM10 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 using mass balance or an alternate method and format acceptable to the AQD District Supervisor. The permittee shall keep all records on file and make them available to the Department upon request. **(40 CFR 52.21 (c) and (d))**

3. The permittee shall keep the following information on a monthly basis for FGWELDING:
 - a) Pounds of manganese-containing welding wire per calendar month.
 - b) Pounds of manganese-containing material per 12-month rolling time period as determined at the end of each calendar month.
 - c) Welding wire type.
 - d) Manganese emission factor (in lb/1,000 of welding wire consumed) of each welding type consumed.
 - e) Manganese mass emission calculations determining the monthly emission rate in tons per calendar month.
 - f) Manganese 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 using mass balance or an alternate method and 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))**

4. The permittee shall keep the following information on a monthly basis for FGWELDING:
 - a) Pounds of nickel-containing welding wire per calendar month.
 - b) Pounds of nickel-containing material per 12-month rolling time period as determined at the end of each calendar month.
 - c) Welding wire type.
 - d) Nickel emission factor (in lb/1,000 of welding wire consumed) of each welding type consumed.
 - e) Nickel mass emission calculations determining the monthly emission rate in tons per calendar month.
 - f) Nickel 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 using mass balance or an alternate method and 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))**

VII. REPORTING

NA

VIII. STACK/VENT RESTRICTION(S)

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

Stack & Vent ID	Maximum Exhaust Diameter / Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
1. SV001 (Welding stack)	48	40	R 336.1225, 40 CFR 52.21 (c) and (d)
2. SV002 (Welding stack)	48	40	R 336.1225, 40 CFR 52.21 (c) and (d)
3. SV003 (Welding stack)	19	38	R 336.1225, 40 CFR 52.21 (c) and (d)

4. The exhaust gases from EUWELDING1, EUWELDING2, EUWELDING4, EUWELDING9, EUWELDING12, EUWELDING16, EUWELDING17, EUWELDING18, EUWELDING19, EUWELDING20, EUWELDING21, EUWELDING24, EUWELDING25, EUWELDING28, EUWELDING29, EUWELDING30, EUWELDING31, EUWELDING32, EUWELDING33, EUWELDING34, EUWELDING35, EUWELDING36, EUWELDING37, EUWELDING38, EUWELDING39, EUWELDING42, EUWELDING43, EUWELDING44, EUWELDING45, EUWELDING46, EUWELDING47, EUWELDING48, EUWELDING49, EUWELDING50, EUWELDING51, EUWELDING52, EUWELDING53, EUWELDING54, EUWELDING55, EUWELDING56, EUWELDING57, EUWELDING58, EUWELDING59, EUWELDING60, EUWELDING61, EUWELDING62, EUWELDING63, EUWELDING64, EUWELDING65, EUWELDING66, EUWELDING67, EUWELDING68, EUWELDING69, EUWELDING70, EUWELDING71, EUWELDING72, EUWELDING73, EUWELDING74, EUWELDING75, EUWELDING76, EUWELDING77, EUWELDING78, EUWELDING79, EUWELDING80, EUWELDING81, and EUWELDING82 shall be released only into the general in-plant environment. **(40 CFR 52.21 (c) and (d))**

IX. OTHER REQUIREMENT(S)

1. The permittee shall comply with all applicable provisions of the National Emission Standards for Hazardous Air Pollutants, as specified in 40 CFR Part 63, Subpart A and Subpart XXXXXX for Metal Fabrication and Finishing Source Nine Categories (Area Sources) by the initial compliance date. **(40 CFR Part 63, Subparts A and XXXXXX)**

Footnotes:

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

**FGSPOTWELDING
FLEXIBLE GROUP CONDITIONS**

DESCRIPTION

Resistance/spot welding operations.

Emission Unit: EUSPOTWELD1, EUSPOTWELD2, EUSPOTWELD3, EUSPOTWELD4, EUSPOTWELD5, EUSPOTWELD6, EUSPOTWELD7, EUSPOTWELD8, EUSPOTWELD9

POLLUTION CONTROL EQUIPMENT

NA

I. EMISSION LIMIT(S)

NA

II. MATERIAL LIMIT(S)

NA

III. PROCESS/OPERATIONAL RESTRICTION(S)

NA

IV. DESIGN/EQUIPMENT PARAMETER(S)

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 RESTRICTION(S)

1. The exhaust gases from FGSPOTWELDING shall be released only into the general in-plant environment. **(40 CFR 52.21 (c) and (d))**

IX. OTHER REQUIREMENT(S)

1. The permittee shall comply with all applicable provisions of the National Emission Standards for Hazardous Air Pollutants, as specified in 40 CFR Part 63, Subpart A and Subpart XXXXXX for Metal Fabrication and Finishing Source Nine Categories (Area Sources) by the initial compliance date. **(40 CFR Part 63, Subparts A and XXXXXX)**

Footnotes:

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

FGMETALWORKING FLEXIBLE GROUP CONDITIONS

DESCRIPTION

Metalworking operations consisting of saws, lasers, CNC machines, and other metal cutting and shaping machines. Emissions from all operations are emitted into the general plant area.

Emission Unit: EU10KLASER, EU12KLASER, EU20KLASER1, EU20KLASER2, EU20KLASER3, EU20KLASER4, EU20KLASER5, EU20KLASER6, EU20KLASER7, EU20KLASER8, EUCNC1, EUCNC2, EUCNC3, EUCNC4, EUCNC5, EUCNC6, EUCNC7, EUSAW1, EUSAW2, EUSAW3, EUSAW4

POLLUTION CONTROL EQUIPMENT

- Fume and dust collectors
- Mist Filter

I. EMISSION LIMIT(S)

NA

II. MATERIAL LIMIT(S)

NA

III. PROCESS/OPERATIONAL RESTRICTION(S)

NA

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. The permittee shall not operate any emission unit in FGMETALWORKING unless the mist filters and the fume and dust collectors are installed, maintained, and operated in a satisfactory manner. **(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))**

NA

VII. REPORTING

NA

VIII. STACK/VENT RESTRICTION(S)

1. The exhaust gases from FGMETALWORKING shall be released only into the general in-plant environment. **(40 CFR 52.21 (c) and (d))**

IX. OTHER REQUIREMENT(S)

NA

Footnotes:

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

FGFACILITY CONDITIONS

DESCRIPTION

The following conditions apply source-wide to all process equipment including equipment covered by other permits, grand-fathered equipment, and exempt equipment.

POLLUTION CONTROL EQUIPMENT

NA

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period / Operating Scenario	Equipment	Monitoring / Testing Method	Underlying Applicable Requirements
1. Cobalt	2.0 lb/yr ¹	12-month rolling time period as determined at the end of each calendar month	FGFACILITY	SC VI.2	R 366.1225(2)

II. MATERIAL LIMIT(S)

NA

III. PROCESS/OPERATIONAL RESTRICTION(S)

NA

IV. DESIGN/EQUIPMENT PARAMETER(S)

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 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 336.1225)**
2. The permittee shall keep the following information on a monthly basis for FGFACILITY:
 - a) Cobalt mass emission calculations determining the monthly emission rate in pounds per calendar month.
 - b) Cobalt mass emission calculations determining the annual emission rate in pounds per 12-month rolling time period as determined at the end of each calendar month.

The permittee shall keep the records using mass balance or an alternate method and 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 RESTRICTION(S)

NA

IX. OTHER REQUIREMENT(S)

NA

Footnotes:

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