



South Coast Air Quality Management District



21865 Copley Drive, Diamond Bar, CA 91765-4178
(909) 396-2000 • www.aqmd.gov

August 10, 2011

Mr. Gerardo C. Rios
Chief, Permit Office
US EPA Region IX Air 3
75 Hawthorne Street
San Francisco, CA 94105-3901

Dear Mr. Rios:

Subject: Weber Metals Inc. (I.D. 10966) Title V Permit Revision

Weber Metals Inc. has proposed to revise their Title V permit by changing the permit conditions for Pre-heat Furnace No. 1 (Current A/N 523965), Pre-heat Furnace No. 2 (Current A/N 523966) Rotary Pre-heat Furnace (Current A/N 523967), Titanium Billets Pre-heat Furnace (Current A/N 523968), Chain Pre-heat Furnace (Current A/N 523970), Car Bottom No. 2 Pre-heat Furnace (Current A/N 523971) and Pedestal Pre-heat Furnace (Current A/N 523972).

This is a die forgings manufacturing facility (SIC 3463) located at 16706 Garfield Avenue, Paramount, CA 90723. This proposed permit revision is considered as a "de minimis significant permit revision" to their Title V permit. Enclosed for your review are the permit evaluation and the proposed permit. With your receipt of the proposed Title V permit revision today, we will note that the EPA 45-day review period begins on August 10, 2011.

If you have any questions or need additional information regarding the proposed permit revision, please contact Mr. Kien Huynh at (909) 396-2635.

Sincerely,

Brian L. Yeh
Senior Manager
Mechanical, Chemical, and Public Services

BLY:kh

Enclosures

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT	Page	6 of 6
<i>ENGINEERING & COMPLIANCE</i>	A/Nos.	523965 et al
APPLICATION PROCESSING AND CALCULATIONS	Processed By	KH
	Checked By	
	Date	8/5/11

Time meter installation:

Per Proposed Amendments to Rule 1147 (expected to be adopted), a time meter installation is not required.

Regulation XIII - New Source Review

BACT:

With the change of the fuel bubble limits, there is an increase of emissions for furnaces A/Ns. 523965-7. These furnaces have a NOx concentration of 40 ppm @3% O₂ which is considered achieved in practice at their maximum temperature of 2150 F (Other furnaces have a NOx concentration of 30 ppm @3% O₂ which is considered achieved in practice for their lower maximum operating temperature of 1700 F). Furnaces A/Ns. 523965-7 have current BACT. Complies.

Offsets:

There is no "facility" emission increase due to the change of the bubble limits. Therefore, no external offsets are required.

Modeling:

There is no "facility" emission increase due to the changes of the bubble limits. Therefore, there is no air quality impact due to the changes.

DISCUSSIONS

Based on information submitted with the application and the above evaluation, it is determined that the equipment operates in compliance with all the applicable rules and regulations of the District.

RECOMMENDATIONS

Issue Permits to Operate.

APPLICATION NO. 523971: Previous: 437107 10 MM BTU/hr
 Operating Schedule*:

hrs/day 24
 days/wk 7
 weeks/yr 50

Emissions*

	CO	NOx	PM/PM10	RHC/TOG	SOx	Rules
lb/hr	0.33	0.36	0.07	0.07	0.02	1401 402
lb/day	6	6	1	1	0	1147 407
lb/yr	2,058.82	2,249.57	441.18	411.76	165.56	401 409

*Information from A/N 437107

APPLICATION NO. 523972: Previous: 437108 4 MM BTU/hr
 Operating Schedule*:

hrs/day 24
 days/wk 7
 weeks/yr 50

Emissions*

	CO	NOx	PM/PM10	RHC/TOG	SOx	Rules
lb/hr	0.13	0.15	0.03	0.03	0.01	1401 402
lb/day	2	3	1	0	0	1147 407
lb/yr	823.53	899.83	176.47	164.71	66.22	401 409

*Information from A/N 437108

RULES EVALUATION

The equipment has not been modified and there is no facility emission increase due to the change in the bubble limits. Except for Rule 1147 and Regulation XIII, no other rule evaluation is necessary.

Rule 1147:

System Maintenance, Recordkeeping, and Rating Plate:

The company has been in compliance with the requirements. **Complies.**

NOx concentration limit: (Metal Heat Treating)

	Rule Limit	Actual	Compliance
NOx, ppm @3% O ₂	60	≤ 40	Yes

Fuel meter installation:

A fuel meter has been installed on each furnace. **Complies.**

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT <i>ENGINEERING & COMPLIANCE</i> APPLICATION PROCESSING AND CALCULATIONS	Page 4 of 6 A/Nos. 523965 et al Processed By KH Checked By Date 8/5/11
---	--

APPLICATION NO. 523967: Previous: 437119 12 MM BTU/hr

Operating Schedule*:

hrs/day 16
 days/wk 5
 weeks/yr 40

Emissions*

	CO	NOx	PM/PM10	RHC/TOG	SOx	Rules	
lb/hr	0.40	0.58	0.09	0.08	0.03	1401	402
lb/day	3	4	1	1	0	1147	407
lb/yr	866.05	1,261.72	185.58	173.21	69.64	401	409

*Information from A/N 437119

APPLICATION NO. 523968: Previous: 437105 4 MM BTU/hr

Operating Schedule*:

hrs/day 24
 days/wk 7
 weeks/yr 50

Emissions*

	CO	NOx	PM/PM10	RHC/TOG	SOx	Rules	
lb/hr	0.13	0.15	0.03	0.03	0.01	1401	402
lb/day	3	3	1	0	-	1147	407
lb/yr	823.53	899.83	176.47	164.71	66.22	401	409

*Information from A/N 437105

APPLICATION NO. 523970: Previous: 437106 4 MM BTU/hr

Operating Schedule*:

hrs/day 24
 days/wk 7
 weeks/yr 50

Emissions*

	CO	NOx	PM/PM10	RHC/TOG	SOx	Rules	
lb/hr	0.13	0.15	0.03	0.03	0.01	1401	402
lb/day	2	3	1	0	-	1147	407
lb/yr	823.53	899.83	176.47	164.71	66.22	401	409

*Information from A/N 437106

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT	Page	3 of 6
<i>ENGINEERING & COMPLIANCE</i>	A/Nos.	523965 et al
APPLICATION PROCESSING AND CALCULATIONS	Processed By	KH
	Checked By	
	Date	8/5/11

Computations:

Combined NOx emissions:

Existing bubbles:

Bubble 1:

$$1.27 \text{ lb NOx/MM cf-ppm} * 3,500,590 \text{ cf/month} * 10^{-6}/30 \text{ days/month} * 40 \text{ ppm} = 5.95 \text{ lb/day}$$

Bubble 2:

$$1.27 \text{ lb NOx/MM cf-ppm} * 12,207,059 \text{ cf/month} * 10^{-6}/30 \text{ days/month} * 30 \text{ ppm} = 15.56 \text{ lb/day}$$

Total

21.51 lb/day

Proposed bubbles:

Bubble 1:

$$1.27 \text{ lb NOx/MM cf-ppm} * 6,000,000 \text{ cf/month} * 10^{-6}/30 \text{ days/month} * 40 \text{ ppm} = 10.20 \text{ lb/day}$$

Bubble 2:

$$1.27 \text{ lb NOx/MM cf-ppm} * 8,872,900 \text{ cf/month} * 10^{-6}/30 \text{ days/month} * 30 \text{ ppm} = 11.31 \text{ lb/day}$$

Total

21.51 lb/day

There is no NOx emission increase for change of fuel limits from the existing bubbles to the proposed bubbles.

We will use emissions from the previous application for the current applications.

APPLICATION NO. 523965: Previous: 437110 6.4 MM BTU/hr

Operating Schedule*:

hrs/day 16
 days/wk 5
 weeks/yr 40

Emissions*

	CO	NOx	PM/PM10	RHC/TOG	SOx	Rules
lb/hr	0.21	0.31	0.05	0.04	0.02	1401 402
lb/day	1	1	0	0	0	1147 407
lb/yr	355.62	518.09	76.20	71.12	28.60	401 409

*Information from A/N 437110

APPLICATION NO. 523966: Previous: 437118 6.4 MM BTU/hr

Operating Schedule*:

hrs/day 16
 days/wk 5
 weeks/yr 50

Emissions*

	CO	NOx	PM/PM10	RHC/TOG	SOx	Rules
lb/hr	0.21	0.31	0.05	0.04	0.02	1401 402
lb/day	1	1	0	0	0	1147 407
lb/yr	193.12	281.35	41.38	38.62	15.53	401 409

*Information from A/N 437118

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT	Page	2 of 6
<i>ENGINEERING & COMPLIANCE</i>	A/Nos.	523965 et al
APPLICATION PROCESSING AND CALCULATIONS	Processed By	KH
	Checked By	
	Date	8/5/11

HISTORY:

Application received on: 6/21/11
 Equipment installed: Yes
 Compliance records:

3 Notices to Comply (NCs) have been issued in the last two years. NC D27630, issued on 3/2/10, required the company to provide proof of compliance with Rule 219 (b) (2) for metal presses. The compliance with the NC was achieved on 3/22/10. NC E00589, issued on 7/8/10, required the company to provide proof of Car Bottom Oven #1 rating. The compliance with the NC was achieved on 7/16/10. NC E00590, issued on 7/16/10, required the company to provide Semi-annual Monitoring (SAM) report for the period of 1/1/09 through 6/30/09. The compliance with the NC was achieved on 7/28/10.

The applications were filed for change of the fuel bubble limits. The bubble limits and NOx concentrations are as on Table 1 below.

Table 1

A/Ns	Descriptions	Previous		NOx ppm @ 3% O2	Bubbles	Bubble Limits, scf/month		
		Permits	A/Nos.			Existing	Proposed	Changes
523965	Furnace	F73291	437110	40	Bubble 1	3,500,590	6,000,000	2,499,410
523966	Furnace	F73292	437118	40	Bubble 1			
523967	Furnace	F73293	437119	40	Bubble 1			
523968	Furnace	F78946	437105	30	Bubble 2	12,207,059	8,872,900	-3,334,159
523970	Furnace	F78947	437106	30	Bubble 2			
523971	Furnace	F78948	437107	30	Bubble 2			
523972	Furnace	F78949	437108	30	Bubble 2			
Combined total						15,707,649	14,872,900	-834,749

Calculations:

Because these are heat treating furnaces, except for NOx, all other criteria pollutants have the same emission factors. Therefore, if there is no increase in the combined fuel consumption, there will be no increase in CO, ROG, PM10 and SOx emissions. As shown on Table 1, there will be a decrease in the combined fuel consumption with the change in the bubble limits.

Given:

Conversion factor:

1.27 lb NOx/MM cf-ppm

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT	Page	1 of 6
<i>ENGINEERING & COMPLIANCE</i>	A/Nos.	523965 et al
APPLICATION PROCESSING AND CALCULATIONS	Processed By	KH
	Checked By	
	Date	8/5/11

Applicant's Name: Weber Metals
Mailing Address: 16706 Garfield Ave.
Paramount, CA 90723

Equipment Location: Same

Equipment Description:

APPLICATION NO. 523965: Previous: 437110 F73291
PRE-HEAT FURNACE NO. 1, BOX TYPE, ALUMINUM AND TITANIUM BILLETS, CUSTOM MADE, 22' - 0"W. x 23' - 0"L. x 12' - 0"H., WITH SIX BLOOM ENGINEERING MODEL 1480-030 NATURAL GAS- / LPG-FIRED BURNERS, 6,400,000 BTU PER HOUR TOTAL.

APPLICATION NO. 523966: Previous: 437118 F73292
PRE-HEAT FURNACE NO. 2, BOX TYPE, ALUMINUM AND TITANIUM BILLETS, CUSTOM MADE, 22' - 0"W. x 23' - 0"L. x 12' - 0"H., WITH SIX BLOOM ENGINEERING MODEL 1480-030 NATURAL GAS- / LPG-FIRED BURNERS, 6,400,000 BTU PER HOUR TOTAL.

APPLICATION NO. 523967: Previous: 437119 F73293
PRE-HEAT FURNACE, ROTARY HEARTH TYPE, TITANIUM BILLETS, CUSTOM MADE, 26' - 0"DIA. x 7' - 0"H., WITH EIGHT BLOOM ENGINEERING MODEL 1480-035 NATURAL GAS- / LPG-FIRED BURNERS, 12,000,000 BTU PER HOUR TOTAL.

APPLICATION NO. 523968: Previous: 437105 F78946
PRE-HEAT FURNACE, TITANIUM BILLETS, A & A, 16' - 0"W. x 23' - 0"L. x 10' - 0"H., WITH EIGHT MAXON MODEL 0.5M KINEDIZER LOW NO_x NATURAL GAS- / LPG-FIRED BURNERS, 4,000,000 BTU PER HOUR TOTAL.

APPLICATION NO. 523970: Previous: 437106 F78947
PRE-HEAT FURNACE (CHAIN), ALUMINUM BILLETS, LINDBERG, 26' - 0"W. x 53' - 0"L. x 11' - 6"H., WITH EIGHT MAXON MODEL 0.5M KINEDIZER LOW NO_x NATURAL GAS- / LPG-FIRED BURNERS, 4,000,000 BTU PER HOUR TOTAL.

APPLICATION NO. 523971: Previous: 437107 F78948
PRE-HEAT FURNACE (CAR BOTTOM NO. 2), STEEL DIES, LINDBERG, 16' - 10"W. x 29' - 0"L. x 14' - 6"H., WITH FOUR MAXON MODEL 2.5M KINEDIZER LOW NO_x NATURAL GAS- / LPG-FIRED BURNERS, 10,000,000 BTU PER HOUR TOTAL.

APPLICATION NO. 523972: Previous: 437108 F78949
PRE-HEAT FURNACE (PEDESTAL), STEEL DIES, AOV INDUSTRIES, 15' - 0"W. x 26' - 0"L. x 10' - 8"H., WITH ONE MAXON MODEL IEI XF STR LOW NO_x NATURAL GAS- / LPG-FIRED BURNER, 4,000,000 BTU PER HOUR.

FACILITY PERMIT TO OPERATE WEBER METALS INC.

Facility Equipment and Requirements (Section D)

This section consists of a table listing all permitted equipment at the facility, facility wide requirements, all individual Permits to Construct and Permits to Operate issued to various equipment at the facility, and Rule 219-exempt equipment subject to source-specific requirements. Each permit and Rule 219-exempt equipment will list operating conditions including periodic monitoring requirements, and applicable emission limits and requirements that the equipment is subject to. Also included is the rule origin and authority of each emission limit and permit condition.

**FACILITY PERMIT TO OPERATE
 WEBER METALS INC.**

PERMITTED EQUIPMENT LIST

THE FOLLOWING IS A LIST OF ALL PERMITS TO CONSTRUCT AND PERMITS TO OPERATE AT THIS FACILITY:

Application number	Permit to Operate number	Equipment description
159525	D60661	SCRUBBER, OTHER VENTING S.S.
194103	D57822	TANK, OTHER AQUEOUS SOLUTION
418058	D79100	TANK, OTHER AQUEOUS SOLUTION
418059	D79101	SCRUBBER, OTHER VENTING S.S.
523968		A& A PRE-HEAT FURNACE
523970		LINDBERG CHAIN PRE-HEAT FURNACE
523971		NO. 2 CAR BOTTOM PRE-HEAT FURNACE
523972		AOV PEDESTAL PRE-HEAT FURNACE
523965		NO. 1 BOX PRE-HEAT FURNACE
523966		NO. 2 PRE-HEAT FURNACE
523967		ROTARY HEARTH PRE-HEAT FURNACE
437120	F73290	SLUDGE DRYER
C38230	M39199	SCRUBBER, OTHER VENTING S.S.
510789	G11858	STORAGE TANK, LPG

NOTE: EQUIPMENT LISTED ABOVE THAT HAVE NO CORRESPONDING PERMITS TO OPERATE NUMBER ARE ISSUED PERMITS TO CONSTRUCT. THE ISSUANCE OR DENIAL OF THEIR PERMITS TO OPERATE IS SUBJECT TO ENGINEERING FINAL REVIEW. ANY OTHER APPLICATIONS THAT ARE STILL BEING PROCESSED AND HAVE NOT BEEN ISSUED PERMITS TO CONSTRUCT OR PERMITS TO OPERATE WILL NOT BE FOUND IN THIS TITLE V PERMIT.

**FACILITY PERMIT TO OPERATE
WEBER METALS INC.**

FACILITY WIDE CONDITION(S)

Condition(s):

1. EXCEPT FOR OPEN ABRASIVE BLASTING OPERATIONS, THE OPERATOR SHALL NOT DISCHARGE INTO THE ATMOSPHERE FROM ANY SINGLE SOURCE OF EMISSIONS WHATSOEVER ANY AIR CONTAMINANT FOR A PERIOD OR PERIODS AGGREGATING MORE THAN THREE MINUTES IN ANY ONE HOUR WHICH IS:
 - A. AS DARK OR DARKER IN SHADE AS THAT DESIGNATED NO. 1 ON THE RINGELMANN CHART, AS PUBLISHED BY THE UNITED STATES BUREAU OF MINES; OR
 - B. OF SUCH OPACITY AS TO OBSCURE AN OBSERVER'S VIEW TO A DEGREE EQUAL TO OR GREATER THAN DOES SMOKE DESCRIBED IN SUBPARAGRAPH (A) OF THIS CONDITION.
[RULE 401]

FACILITY PERMIT TO OPERATE WEBER METALS INC.

PERMIT TO OPERATE

Permit No. D60661
A/N 159525

AIR POLLUTION CONTROL SYSTEM CONSISTING OF:

1. SCRUBBER, L.W. LEFORD, CROSS-FLOW PACKED TYPE, MODEL NO. 546WZ-ZX, 12'-6" W. x 13'-6" L. x 10'-0" H., WITH TWIN-STAGE PACKINGS, AND FOUR 1½-H.P. RECIRCULATION PUMPS.
2. EXHAUST SYSTEM WITH A 60-H.P. BLOWER VENTING TWO ACID TANKS OF AN ETCHING LINE AND A SLUDGE DRYER.
3. VENTURI SCRUBBER, 2" DIA. x 36" L., WITH A CYCLONE SEPARATOR, 10" DIA. x 26" H.
4. EXHAUST SYSTEM WITH A 1-HP BLOWER VENTING A SLUDGE DRYER.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THE pH LEVEL OF THE RECIRCULATING WATER SHALL NOT BE LESS THAN 2.
[RULE 1303 (b) (2)-OFFSETS]
4. NOT LESS THAN 3 GALLONS PER MINUTE OF WATER AT A MINIMUM PRESSURE OF 35 PSIG SHALL BE SUPPLIED TO THE VENTURI SCRUBBER WHEN THE EQUIPMENT IT SERVES IS IN OPERATION.
[RULE 1303 (b) (2)-OFFSETS]
5. METERS INDICATING GPM AND PSIG SHALL BE INSTALLED IN THE LIQUID SUPPLY LINE TO THE VENTURI SCRUBBER.
[RULE 1303 (b) (2)-OFFSETS]

Periodic Monitoring:

6. THE OPERATOR SHALL DETERMINE AND RECORD THE pH OF THE RECIRCULATING WATER ONCE EVERY DAY.
[RULE 3004 (a) (4)]
7. THE OPERATOR SHALL DETERMINE AND RECORD THE FLOW RATE AND PRESSURE OF WATER TO THE VETURI SCRUBBER ONCE EVERY DAY.
[RULE 3004 (a) (4)]

FACILITY PERMIT TO OPERATE WEBER METALS INC.

Emissions And Requirements:

8. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

**FACILITY PERMIT TO OPERATE
WEBER METALS INC.**

PERMIT TO OPERATE

**Permit No. D57822
A/N 194103**

Equipment Description:

AQUEOUS SOLUTION LINE CONSISTING OF:

1. CLEANING TANK NO. 4, 8'-4" L. x 3'-10" W. x 4'-4" H., UNHEATED.
2. CLEANING TANK NO. 6, 8'-4" L. x 3'-10" W. x 4'-4" H., UNHEATED.
3. ASSOCIATED RINSE TANKS.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.

[RULE 204]

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

[RULE 204]

3. THE FOLLOWING TANKS SHALL NOT BE HEATED:

CLEANING TANK NO. 4.

CLEANING TANK NO. 6.

[RULE 1303 (b) (2)-OFFSETS]

FACILITY PERMIT TO OPERATE WEBER METALS INC.

PERMIT TO OPERATE

Permit No. D79100
A/N 418058

Equipment Description:

SURFACE PREPARATION AND METAL CLEANING SYSTEM CONSISTING OF:

1. TANKS 1 AND 2, HEATED WATER, 5'-0" W. x 20'-0" L. x 6'-0" D. EACH.
2. TANKS 3 AND 4, UNHEATED WATER, 5'-0" W. x 20'-0" L. x 6'-0" D. EACH.
3. TANK 5, UNHEATED NITRIC ACID, 5'-0" W. x 20'-0" L. x 6'-0" D.
4. TANKS 6 AND 7, UNHEATED WATER, 5'-0" W. x 20'-0" L. x 6'-0" D. EACH.
5. TANK 8, UNHEATED NITRIC ACID, 5'-0" W. x 20'-0" L. x 6'-0" D.
6. TANKS 9 AND 10, UNHEATED WATER, 5'-0" W. x 20'-0" L. x 6'-0" D. EACH.
7. TANKS 11 AND 12, HEATED SODIUM HYDROXIDE, 5'-0" W. x 20'-0" L. x 6'-0" D. EACH.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THE FOLLOWING TANKS SHALL NOT BE HEATED:
CLEANING TANK NO. 5.
CLEANING TANK NO. 8.
[RULE 1303 (b) (2)-OFFSETS]
4. THE TEMPERATURE OF THE FOLLOWING TANKS SHALL NOT EXCEED 145 DEGREES FAHRENHEIT:
CLEANING TANK NO. 11.
CLEANING TANK NO. 12.
[RULE 1303 (b) (2)-OFFSETS]
5. MATERIALS USED IN THIS EQUIPMENT SHALL NOT CONTAIN ANY COMPOUNDS IDENTIFIED AS TOXIC AIR CONTAMINANTS IN AQMD RULE 1401, AS AMENDED ON MAY 2, 2003 OR EARLIER, EXCEPT NITRIC ACID AND SODIUM HYDROXIDE.

**FACILITY PERMIT TO OPERATE
WEBER METALS INC.**

[RULE 1401]

6. THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS TANKS NO. 1, 2, 5, 8, 11, AND 12 ARE VENTED ONLY TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED AN OPERATING PERMIT BY THE EXECUTIVE OFFICER.

[RULE 1303 (a) (1)-BACT, RULE 1303 (b) (2)-OFFSETS]

FACILITY PERMIT TO OPERATE WEBER METALS INC.

PERMIT TO OPERATE

Permit No. D79101
A/N 418059

Equipment Description:

AIR POLLUTION CONTROL SYSTEM CONSISTING OF:

1. SCRUBBER, LEFORT, HORIZONTAL PACKED TYPE, MODEL 244W-2R, 4'-7" W. x 11'-8" L. x 6'-6" H., WITH TWO ONE-FOOT PACKING SECTIONS AND TWO ¾-H.P. RECIRCULATION PUMPS.
2. EXHAUST SYSTEM WITH A 15-H.P. BLOWER VENTING UNHEATED NITRIC ACID TANK NO. 4, UNHEATED SODIUM HYDROXIDE TANK NO. 6 AND FIVE WATER TANKS.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. A FLOW METER, INDICATING GALLONS PER MINUTE (GPM), SHALL BE MAINTAINED IN EACH RECIRCULATING WATER LINE TO THE SCRUBBER.
[RULE 1303 (b) (2)-OFFSETS]
4. NOT LESS THAN 30 GPM OF WATER SHALL BE SUPPLIED TO EACH PACKED SECTION OF THE SCRUBBER WHENEVER THE EQUIPMENT IT SERVES IS IN OPERATION.
[RULE 1303 (b) (2)-OFFSETS]

Periodic Monitoring:

5. THE OPERATOR SHALL DETERMINE AND RECORD THE FLOW RATE OF THE SCRUBBING SOLUTION ONCE EVERY DAY.
[RULE 3004 (a) (4)]

Emissions And Requirements:

6. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

FACILITY PERMIT TO OPERATE WEBER METALS INC.

PERMIT TO OPERATE

Permit No.
A/N 523968

Equipment Description:

PRE-HEAT FURNACE, TITANIUM BILLETS, A & A, 16'-0" W. x 23'-0" L. x 10'-0" H., WITH EIGHT MAXON MODEL 0.5M KINEDIZER LOW NOX NATURAL GAS- / LPG- FIRED BURNERS, 4,000,000 BTU PER HOUR TOTAL.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THE NOX CONCENTRATION, ON A DRY BASIS CORRECTED TO 3% OXYGEN, SHALL NOT EXCEED 30 PARTS PER MILLION BY VOLUME (PPMV).
[RULE 1303 (a) (1)-BACT, RULE 1303 (b) (2)-OFFSETS]
4. A NON-RESETTABLE TOTALIZING GAS METER SHALL BE INSTALLED AND MAINTAINED IN THE FUEL SUPPLY LINE TO THE FURNACE.
[RULE 1303 (b) (2)-OFFSETS; RULE 1401]
5. THE EQUIVALENT AMOUNT OF FUEL CONSUMED BY THIS FURNACE AND THOSE FURNACES ASSOCIATED WITH PERMITS TO OPERATE 523970, 523971 AND 523972 SHALL NOT EXCEED 8,872,900 STANDARD CUBIC FEET IN ANY ONE CALENDAR MONTH. THE EQUIVALENT AMOUNT OF FUEL IS DEFINED BY THE FOLLOWING RELATIONSHIP:

$$F = F_{NG} + 1.12 * F_{LPG}$$

WHERE:

F = THE EQUIVALENT AMOUNT OF FUEL, IN STANDARD CUBIC FEET.

F_{NG} = THE AMOUNT OF NATURAL GAS CONSUMED BY THE FOUR FURNACES, IN STANDARD CUBIC FEET.

F_{LPG} = THE AMOUNT OF EQUIVALENT LPG (THE LPG AND AIR MIXTURE HAVING A HEATING VALUE EQUIVALENT TO THAT OF NATURAL GAS) CONSUMED BY THE FOUR FURNACES, IN STANDARD CUBIC FEET.

[RULE 1303 (b) (2)-OFFSETS; RULE 1401]

6. METAL CONTAMINATED WITH RUBBER, PLASTICS, PAPER, RAGS, OIL, GREASE, OR SIMILAR SMOKE-PRODUCING MATERIAL SHALL NOT BE CHARGED TO THIS FURNACE.

[RULE 401, RULE 1303 (a) (1)-BACT]

FACILITY PERMIT TO OPERATE WEBER METALS INC.

7. LPG SHALL ONLY BE USED DURING PERIODS OF NATURAL GAS CURTAILMENT.
[RULE 1303 (a) (1)-BACT, RULE 1303 (b) (2)-OFFSETS]
8. RECORDS SHALL BE MAINTAINED TO DEMONSTRATE COMPLIANCE WITH CONDITIONS 3, 5, AND 7. THE RECORDS SHALL BE KEPT ON FILE FOR AT LEAST THE LAST FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1303 (b) (2)-OFFSETS; RULE 1401]

Emissions And Requirements:

9. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
CO: 2000 PPMV, RULE 407
PM: 0.1 GR/SCF, RULE 409
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

FACILITY PERMIT TO OPERATE WEBER METALS INC.

PERMIT TO OPERATE

Permit No.
A/N 523970

Equipment Description:

PRE-HEAT FURNACE (CHAIN), ALUMINUM BILLETS, LINDBERG, 26'-0" W. x 53'-0" L. x 11'-6" H., WITH EIGHT MAXON MODEL 0.5M KINEDIZER LOW NOX NATURAL GAS- / LPG- FIRED BURNERS, 4,000,000 BTU PER HOUR TOTAL.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THE NOX CONCENTRATION, ON A DRY BASIS CORRECTED TO 3% OXYGEN, SHALL NOT EXCEED 30 PARTS PER MILLION BY VOLUME (PPMV).
[RULE 1303 (a) (1)-BACT, RULE 1303 (b) (2)-OFFSETS]
4. A NON-RESETTABLE TOTALIZING GAS METER SHALL BE INSTALLED AND MAINTAINED IN THE FUEL SUPPLY LINE TO THE FURNACE.
[RULE 1303 (b) (2)-OFFSETS; RULE 1401]
5. THE EQUIVALENT AMOUNT OF FUEL CONSUMED BY THIS FURNACE AND THOSE FURNACES ASSOCIATED WITH PERMITS TO OPERATE 523968, 523971 AND 523972 SHALL NOT EXCEED 8,872,900 STANDARD CUBIC FEET IN ANY ONE CALENDAR MONTH. THE EQUIVALENT AMOUNT OF FUEL IS DEFINED BY THE FOLLOWING RELATIONSHIP:
$$F = F_{NG} + 1.12 * F_{LPG}$$

WHERE:

F = THE EQUIVALENT AMOUNT OF FUEL, IN STANDARD CUBIC FEET.

F_{NG} = THE AMOUNT OF NATURAL GAS CONSUMED BY THE FOUR FURNACES, IN STANDARD CUBIC FEET.

F_{LPG} = THE AMOUNT OF EQUIVALENT LPG (THE LPG AND AIR MIXTURE HAVING A HEATING VALUE EQUIVALENT TO THAT OF NATURAL GAS) CONSUMED BY THE FOUR FURNACES, IN STANDARD CUBIC FEET.

[RULE 1303 (b) (2)-OFFSETS; RULE 1401]
6. METAL CONTAMINATED WITH RUBBER, PLASTICS, PAPER, RAGS, OIL, GREASE, OR SIMILAR SMOKE-PRODUCING MATERIAL SHALL NOT BE CHARGED TO THIS FURNACE.
[RULE 401, RULE 1303 (a) (1)-BACT]

FACILITY PERMIT TO OPERATE WEBER METALS INC.

7. LPG SHALL ONLY BE USED DURING PERIODS OF NATURAL GAS CURTAILMENT.
[RULE 1303 (a) (1)-BACT, RULE 1303 (b) (2)-OFFSETS]
8. RECORDS SHALL BE MAINTAINED TO DEMONSTRATE COMPLIANCE WITH CONDITIONS 5, AND 7. THE RECORDS SHALL BE KEPT ON FILE FOR AT LEAST THE LAST FIVE YEARS AND BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1303 (b) (2)-OFFSETS; RULE 1401]

Emissions And Requirements:

9. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
CO: 2000 PPMV, RULE 407
PM: 0.1 GR/SCF, RULE 409
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

FACILITY PERMIT TO OPERATE WEBER METALS INC.

PERMIT TO OPERATE

Permit No.
A/N 523971

Equipment Description:

PRE-HEAT FURNACE (CAR BOTTOM NO. 2), STEEL DIES, LINDBERG, 16'-0" W. x 29'-0" L. x 14'-6" H., WITH FOUR MAXON MODEL 2.5M KINEDIZER LOW NOX NATURAL GAS- / LPG- FIRED BURNERS, 10,000,000 BTU PER HOUR TOTAL.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THE NOX CONCENTRATION, ON A DRY BASIS CORRECTED TO 3% OXYGEN, SHALL NOT EXCEED 30 PARTS PER MILLION BY VOLUME (PPMV).
[RULE 1303 (a) (1)-BACT, RULE 1303 (b) (2)-OFFSETS]
4. A NON-RESETTABLE TOTALIZING GAS METER SHALL BE INSTALLED AND MAINTAINED IN THE FUEL SUPPLY LINE TO THE FURNACE.
[RULE 1303 (b) (2)-OFFSETS; RULE 1401]
5. THE EQUIVALENT AMOUNT OF FUEL CONSUMED BY THIS FURNACE AND THOSE FURNACES ASSOCIATED WITH PERMITS TO OPERATE 523968, 523970 AND 523972 SHALL NOT EXCEED 8,872,900 STANDARD CUBIC FEET IN ANY ONE CALENDAR MONTH. THE EQUIVALENT AMOUNT OF FUEL IS DEFINED BY THE FOLLOWING RELATIONSHIP:
$$F = F_{NG} + 1.12 * F_{LPG}$$

WHERE:

F = THE EQUIVALENT AMOUNT OF FUEL, IN STANDARD CUBIC FEET.

F_{NG} = THE AMOUNT OF NATURAL GAS CONSUMED BY THE FOUR FURNACES, IN STANDARD CUBIC FEET.

F_{LPG} = THE AMOUNT OF EQUIVALENT LPG (THE LPG AND AIR MIXTURE HAVING A HEATING VALUE EQUIVALENT TO THAT OF NATURAL GAS) CONSUMED BY THE FOUR FURNACES, IN STANDARD CUBIC FEET.

[RULE 1303 (b) (2)-OFFSETS; RULE 1401]
6. METAL CONTAMINATED WITH RUBBER, PLASTICS, PAPER, RAGS, OIL, GREASE, OR SIMILAR SMOKE-PRODUCING MATERIAL SHALL NOT BE CHARGED TO THIS FURNACE.
[RULE 401, RULE 1303 (a) (1)-BACT]

FACILITY PERMIT TO OPERATE WEBER METALS INC.

7. LPG SHALL ONLY BE USED DURING PERIODS OF NATURAL GAS CURTAILMENT.
[RULE 1303 (a) (1)-BACT, RULE 1303 (b) (2)-OFFSETS]
8. RECORDS SHALL BE MAINTAINED TO DEMONSTRATE COMPLIANCE WITH CONDITIONS 3, 5, AND 7. THE RECORDS SHALL BE KEPT ON FILE FOR AT LEAST THE LAST FIVE YEARS AND BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1303 (b) (2)-OFFSETS; RULE 1401]

Emissions And Requirements:

9. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
CO: 2000 PPMV, RULE 407
PM: 0.1 GR/SCF, RULE 409
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

FACILITY PERMIT TO OPERATE WEBER METALS INC.

PERMIT TO OPERATE

Permit No.
A/N 523972

Equipment Description:

PRE-HEAT FURNACE (PEDESTAL), STEEL DIES, AOV INDUSTRIES, 15'-0" W. x 26'-0" L. x 10'-8" H., WITH ONE MAXON MODEL IEI XF STR LOW NOX NATURAL GAS- / LPG- FIRED BURNERS, 4,000,000 BTU PER HOUR TOTAL.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THE NOX CONCENTRATION, ON A DRY BASIS CORRECTED TO 3% OXYGEN, SHALL NOT EXCEED 30 PARTS PER MILLION BY VOLUME (PPMV).
[RULE 1303 (a) (1)-BACT, RULE 1303 (b) (2)-OFFSETS]
4. A NON-RESETTABLE TOTALIZING GAS METER SHALL BE INSTALLED AND MAINTAINED IN THE FUEL SUPPLY LINE TO THE FURNACE.
[RULE 1303 (b) (2)-OFFSETS; RULE 1401]
5. THE EQUIVALENT AMOUNT OF FUEL CONSUMED BY THIS FURNACE AND THOSE FURNACES ASSOCIATED WITH PERMITS TO OPERATE 523968, 523970 AND 523971 SHALL NOT EXCEED 8,872,900 STANDARD CUBIC FEET IN ANY ONE CALENDAR MONTH. THE EQUIVALENT AMOUNT OF FUEL IS DEFINED BY THE FOLLOWING RELATIONSHIP:
$$F = F_{NG} + 1.12 * F_{LPG}$$

WHERE:

F = THE EQUIVALENT AMOUNT OF FUEL, IN STANDARD CUBIC FEET.

F_{NG} = THE AMOUNT OF NATURAL GAS CONSUMED BY THE FOUR FURNACES, IN STANDARD CUBIC FEET.

F_{LPG} = THE AMOUNT OF EQUIVALENT LPG (THE LPG AND AIR MIXTURE HAVING A HEATING VALUE EQUIVALENT TO THAT OF NATURAL GAS) CONSUMED BY THE FOUR FURNACES, IN STANDARD CUBIC FEET.

[RULE 1303 (b) (2)-OFFSETS; RULE 1401]
6. METAL CONTAMINATED WITH RUBBER, PLASTICS, PAPER, RAGS, OIL, GREASE, OR SIMILAR SMOKE-PRODUCING MATERIAL SHALL NOT BE CHARGED TO THIS FURNACE.
[RULE 401, RULE 1303 (a) (1)-BACT]
7. LPG SHALL ONLY BE USED DURING PERIODS OF NATURAL GAS CURTAILMENT.

FACILITY PERMIT TO OPERATE WEBER METALS INC.

[RULE 1303 (a) (1)-BACT, RULE 1303 (b) (2)-OFFSETS]

8. RECORDS SHALL BE MAINTAINED TO DEMONSTRATE COMPLIANCE WITH CONDITIONS 3, 5, AND 7. THE RECORDS SHALL BE KEPT ON FILE FOR AT LEAST THE LAST FIVE YEARS AND BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.

[RULE 1303 (b) (2)-OFFSETS; RULE 1401]

Emissions And Requirements:

9. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
- CO: 2000 PPMV, RULE 407
 - PM: 0.1 GR/SCF, RULE 409
 - PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

FACILITY PERMIT TO OPERATE WEBER METALS INC.

PERMIT TO OPERATE

Permit No.
A/N 523965

Equipment Description:

PRE-HEAT FURNACE NO. 1, BOX TYPE, ALUMINUM AND TITANIUM BILLETS, CUSTOM MADE, 22'-0" W. x 23'-0" L. x 12'-0" H., WITH SIX BLOOM ENGINEERING MODEL 1480-030 NATURAL GAS- / LPG- FIRED BURNERS, 6,400,000 BTU PER HOUR TOTAL.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THE NOX CONCENTRATION, ON A DRY BASIS CORRECTED TO 3% OXYGEN, SHALL NOT EXCEED 40 PARTS PER MILLION BY VOLUME (PPMV).
[RULE 1303 (a) (1)-BACT, RULE 1303 (b) (2)-OFFSETS]
4. A NON-RESETTABLE TOTALIZING GAS METER SHALL BE INSTALLED AND MAINTAINED IN THE FUEL SUPPLY LINE TO THE FURNACE.
[RULE 1303 (b) (2)-OFFSETS; RULE 1401]
5. THE EQUIVALENT AMOUNT OF FUEL CONSUMED BY THIS FURNACE AND THOSE FURNACES ASSOCIATED WITH PERMITS TO OPERATE 523966 AND 523967 SHALL NOT EXCEED 6,000,000 STANDARD CUBIC FEET IN ANY ONE CALENDAR MONTH. THE EQUIVALENT AMOUNT OF FUEL IS DEFINED BY THE FOLLOWING RELATIONSHIP:
$$F = F_{NG} + 1.12 * F_{LPG}$$

WHERE:
F = THE EQUIVALENT AMOUNT OF FUEL, IN STANDARD CUBIC FEET.
F_{NG} = THE AMOUNT OF NATURAL GAS CONSUMED BY THE THREE FURNACES, IN STANDARD CUBIC FEET.
F_{LPG} = THE AMOUNT OF EQUIVALENT LPG (THE LPG AND AIR MIXTURE HAVING A HEATING VALUE EQUIVALENT TO THAT OF NATURAL GAS) CONSUMED BY THE THREE FURNACES, IN STANDARD CUBIC FEET.
[RULE 1303 (b) (2)-OFFSETS; RULE 1401]
6. METAL CONTAMINATED WITH RUBBER, PLASTICS, PAPER, RAGS, OIL, GREASE, OR SIMILAR SMOKE-PRODUCING MATERIAL SHALL NOT BE CHARGED TO THIS FURNACE.
[RULE 401, RULE 1303 (a) (1)-BACT]

FACILITY PERMIT TO OPERATE WEBER METALS INC.

7. LPG SHALL ONLY BE USED DURING PERIODS OF NATURAL GAS CURTAILMENT.
[RULE 1303 (a) (1)-BACT, RULE 1303 (b) (2)-OFFSETS]
8. RECORDS SHALL BE MAINTAINED TO DEMONSTRATE COMPLIANCE WITH CONDITIONS 3, 5, AND 7. THE RECORDS SHALL BE KEPT ON FILE FOR AT LEAST THE LAST FIVE YEARS AND BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1303 (b) (2)-OFFSETS; RULE 1401]

Emissions And Requirements:

9. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
CO: 2000 PPMV, RULE 407
PM: 0.1 GR/SCF, RULE 409
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

FACILITY PERMIT TO OPERATE WEBER METALS INC.

PERMIT TO OPERATE

Permit No.
A/N 523966

Equipment Description:

PRE-HEAT FURNACE NO. 2, BOX TYPE, ALUMINUM AND TITANIUM BILLETS, CUSTOM MADE, 22'-0" W. x 23'-0" L. x 12'-0" H., WITH SIX BLOOM ENGINEERING MODEL 1480-030 NATURAL GAS- / LPG- FIRED BURNERS, 6,400,000 BTU PER HOUR TOTAL.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THE NOX CONCENTRATION, ON A DRY BASIS CORRECTED TO 3% OXYGEN, SHALL NOT EXCEED 40 PARTS PER MILLION BY VOLUME (PPMV).
[RULE 1303 (a) (1)-BACT, RULE 1303 (b) (2)-OFFSETS]
4. A NON-RESETTABLE TOTALIZING GAS METER SHALL BE INSTALLED AND MAINTAINED IN THE FUEL SUPPLY LINE TO THE FURNACE.
[RULE 1303 (b) (2)-OFFSETS; RULE 1401]
5. THE EQUIVALENT AMOUNT OF FUEL CONSUMED BY THIS FURNACE AND THOSE FURNACES ASSOCIATED WITH PERMITS TO OPERATE 523965 AND 523967 SHALL NOT EXCEED 6,000,000 STANDARD CUBIC FEET IN ANY ONE CALENDAR MONTH. THE EQUIVALENT AMOUNT OF FUEL IS DEFINED BY THE FOLLOWING RELATIONSHIP:
$$F = F_{NG} + 1.12 * F_{LPG}$$

WHERE:
F = THE EQUIVALENT AMOUNT OF FUEL, IN STANDARD CUBIC FEET.
F_{NG} = THE AMOUNT OF NATURAL GAS CONSUMED BY THE THREE FURNACES, IN STANDARD CUBIC FEET.
F_{LPG} = THE AMOUNT OF EQUIVALENT LPG (THE LPG AND AIR MIXTURE HAVING A HEATING VALUE EQUIVALENT TO THAT OF NATURAL GAS) CONSUMED BY THE THREE FURNACES, IN STANDARD CUBIC FEET.
[RULE 1303 (b) (2)-OFFSETS; RULE 1401]
6. METAL CONTAMINATED WITH RUBBER, PLASTICS, PAPER, RAGS, OIL, GREASE, OR SIMILAR SMOKE-PRODUCING MATERIAL SHALL NOT BE CHARGED TO THIS FURNACE.
[RULE 401, RULE 1303 (a) (1)-BACT]

FACILITY PERMIT TO OPERATE WEBER METALS INC.

7. LPG SHALL ONLY BE USED DURING PERIODS OF NATURAL GAS CURTAILMENT.
[RULE 1303 (a) (1)-BACT, RULE 1303 (b) (2)-OFFSETS]
8. RECORDS SHALL BE MAINTAINED TO DEMONSTRATE COMPLIANCE WITH CONDITIONS 3, 5, AND 7. THE RECORDS SHALL BE KEPT ON FILE FOR AT LEAST THE LAST FIVE YEARS AND BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1303 (b) (2)-OFFSETS; RULE 1401]

Emissions And Requirements:

9. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
CO: 2000 PPMV, RULE 407
PM: 0.1 GR/SCF, RULE 409
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

FACILITY PERMIT TO OPERATE WEBER METALS INC.

PERMIT TO OPERATE

Permit No.
A/N 523967

Equipment Description:

PRE-HEAT FURNACE, ROTARY HEARTH TYPE, TITANIUM BILLETS, CUSTOM MADE, 26'-0" DIA. x 7'-0" H., WITH EIGHT BLOOM ENGINEERING MODEL 1480-035 NATURAL GAS- / LPG- FIRED BURNERS, 12,000,000 BTU PER HOUR TOTAL.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THE NOX CONCENTRATION, ON A DRY BASIS CORRECTED TO 3% OXYGEN, SHALL NOT EXCEED 40 PARTS PER MILLION BY VOLUME (PPMV).
[RULE 1303 (a) (1)-BACT, RULE 1303 (b) (2)-OFFSETS]
4. A NON-RESETTABLE TOTALIZING GAS METER SHALL BE INSTALLED AND MAINTAINED IN THE FUEL SUPPLY LINE TO THE FURNACE.
[RULE 1303 (b) (2)-OFFSETS; RULE 1401]
5. THE EQUIVALENT AMOUNT OF FUEL CONSUMED BY THIS FURNACE AND THOSE FURNACES ASSOCIATED WITH PERMITS TO OPERATE 523965 AND 523966 SHALL NOT EXCEED 6,000,000 STANDARD CUBIC FEET IN ANY ONE CALENDAR MONTH. THE EQUIVALENT AMOUNT OF FUEL IS DEFINED BY THE FOLLOWING RELATIONSHIP:
$$F = F_{NG} + 1.12 * F_{LPG}$$

WHERE:
F = THE EQUIVALENT AMOUNT OF FUEL, IN STANDARD CUBIC FEET.
F_{NG} = THE AMOUNT OF NATURAL GAS CONSUMED BY THE THREE FURNACES, IN STANDARD CUBIC FEET.
F_{LPG} = THE AMOUNT OF EQUIVALENT LPG (THE LPG AND AIR MIXTURE HAVING A HEATING VALUE EQUIVALENT TO THAT OF NATURAL GAS) CONSUMED BY THE THREE FURNACES, IN STANDARD CUBIC FEET.
[RULE 1303 (b) (2)-OFFSETS; RULE 1401]
6. METAL CONTAMINATED WITH RUBBER, PLASTICS, PAPER, RAGS, OIL, GREASE, OR SIMILAR SMOKE-PRODUCING MATERIAL SHALL NOT BE CHARGED TO THIS FURNACE.
[RULE 401, RULE 1303 (a) (1)-BACT]

FACILITY PERMIT TO OPERATE WEBER METALS INC.

7. LPG SHALL ONLY BE USED DURING PERIODS OF NATURAL GAS CURTAILMENT.
[RULE 1303 (a) (1)-BACT, RULE 1303 (b) (2)-OFFSETS]
8. RECORDS SHALL BE MAINTAINED TO DEMONSTRATE COMPLIANCE WITH CONDITIONS 3, 5 AND 7. THE RECORDS SHALL BE KEPT ON FILE FOR AT LEAST THE LAST FIVE YEARS AND BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1303 (b) (2)-OFFSETS; RULE 1401]

Emissions And Requirements:

9. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
CO: 2000 PPMV, RULE 407
PM: 0.1 GR/SCF, RULE 409
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

**FACILITY PERMIT TO OPERATE
WEBER METALS INC.**

PERMIT TO OPERATE

**Permit No. F73290
A/N 437120**

Equipment Description:

WASTE SLUDGE DRYER, JWI, J-MATE MODEL J360G, 5'-10" W. x 14'-2" L. x 6'-6" H., WITH SIXTEEN NATURAL GAS-FIRED BURNERS, 400,000 BTU PER HOUR TOTAL, ONE 1½-HP EXTRUDER AND ONE ½-HP CONVEYOR.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS IT IS VENTED ONLY TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED A PERMIT TO OPERATE BY THE EXECUTIVE OFFICER.
[RULE 1303 (a) (1)-BACT, RULE 1303 (b) (2)-OFFSETS]
4. THIS EQUIPMENT SHALL ONLY BE USED TO PROCESS SLUDGE GENERATED AT THIS FACILITY.
[RULE 1303 (b) (2)-OFFSETS]
5. THE OPERATOR SHALL INSTALL AND MAINTAIN A NON-RESETTABLE TOTALIZING FUEL METER IN THE FUEL LINE OF THIS EQUIPMENT.
[RULE 1303 (b) (2)-OFFSETS]

Emissions And Requirements:

6. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
CO: 2000 PPMV, RULE 407
PM: 0.1 GR/SCF, RULE 409
PM: RULE 405, SEE APPENDIX B FOR EMISSION LIMITS

FACILITY PERMIT TO OPERATE WEBER METALS INC.

PERMIT TO OPERATE

Permit No. M39199
A/N C38230

Equipment Description:

AIR POLLUTION CONTROL SYSTEM CONSISTING OF:

1. SCRUBBER, L.W. LEFORD, CROSS-FLOW PACKED TYPE, MODEL NO. 606W2, 12'-6" W. x 8'-6" L. x 11'-0" H., WITH TWO 1½-H.P. RECIRCULATING PUMPS.
2. EXHAUST SYSTEM WITH A 75-H.P. BLOWER VENTING A HOT WATER RINSE TANK, A NON-ETCH CLEANER TANK, AND TWO CAUSTIC TANKS OF AN ETCHING LINE.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.

[RULE 204]

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

[RULE 204]

3. THE pH LEVEL OF THE SCRUBBING SOLUTION MUST BE NO MORE THAN 9.

[RULE 1303 (a) (1)-BACT]

Periodic Monitoring:

4. THE OPERATOR SHALL DETERMINE AND RECORD THE FLOW RATE OF THE SCRUBBING SOLUTION ONCE EVERY DAY.

[RULE 3004 (a) (4)]

5. THE OPERATOR SHALL DETERMINE AND RECORD THE pH OF THE SCRUBBING SOLUTION ONCE EVERY DAY.

[RULE 3004 (a) (4)]

Emissions And Requirements:

6. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

**FACILITY PERMIT TO OPERATE
WEBER METALS INC.**

PERMIT TO CONSTRUCT/OPERATE

Permit No. G11858
A/N 510789

Equipment Description:
STORAGE TANK, PROPANE, PRESSURIZED, HORIZONTAL, 7' - 3" DIA. x 49' - 10" L., 15,000 GALLON CAPACITY.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.

[RULE 204]

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

[RULE 204]

3. EXCEPT FOR FORKLIFT CYLINDERS, THERE SHALL BE NO TRANSFER FROM THIS EQUIPMENT TO ANY OTHER CONTAINERS.

[RULE 1303 (b) (2)-OFFSETS]

4. RECORDS SHALL BE MAINTAINED TO DEMONSTRATE COMPLIANCE WITH CONDITIONS 3 AND 4. THE RECORDS SHALL BE KEPT ON FILE FOR AT LEAST THE LAST FIVE YEARS AND BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.

[RULE 1303 (b) (2)-OFFSETS]

FACILITY PERMIT TO OPERATE WEBER METALS INC.

RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, NON-CONTACT COOLING TOWERS

Emissions And Requirements:

1. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

CR⁺⁶: RULE 1404

FACILITY PERMIT TO OPERATE WEBER METALS INC.

RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, BOILER, > 400,000 BTU/HR BUT <= 2 MMBTU/HR.

Emissions And Requirements:

1. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

PM: 0.1 gr/scf, RULE 409
NOx: 30 PPMV, RULE 1146.2
CO: 400 PPMV, RULE 1146.2
CO: 2000 PPMV, RULE 407