



# South Coast Air Quality Management District

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

May 27, 2014

Mr. John Loiler  
Manager Maintenance Operations  
Carlton Forge Works  
7743 E. Adams Street  
Paramount, CA 90723

Dear Mr. Loiler:

Subject: RECLAIM/Title V Facility Permit, I.D. No. 022911

Please find attached the revised Title Page, Table of Contents, Section D and Section H of your RECLAIM/Title V Facility Permit. The revised sections reflect the approval of the permit revision requested in your Application No. 560288. The proposed revision was submitted to EPA for a 45-Day review on April 10, 2014, and EPA completed their review with no comments. This permit revision includes five equipment modifications of existing equipment.

Equipment	Appl. No.	Device No.	Process	Permit Type
Forging Furnace	560283	D53	1	P/C
Forging Furnace	560284	D109	1	P/C-P/O
Forging Furnace	560285	D119	1	P/C
Forging Furnace	560286	D182	1	P/C-P/O
Forging Furnace	560287	D188	1	P/C-P/O

Please review the attached sections carefully. Insert the enclosed sections into your RECLAIM Facility Permit and discard the earlier version. Questions concerning changes to your permit should be directed to Ms. Monica Fernandez-Neild at 909.396.2202.

Very truly yours,

Mohan Balagopalan  
Sr. Air Quality Engineering Manager  
Mechanical, Chemical and Ports Permitting

MB:mfn

Enclosure

c: Gerardo Rios, EPA Region IX ([R9Airpermits\\_sc@epa.gov](mailto:R9Airpermits_sc@epa.gov))  
Cher Snyder, Compliance



## FACILITY PERMIT TO OPERATE

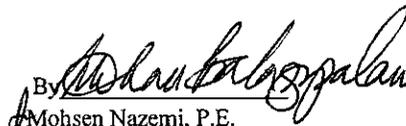
**CARLTON FORGE WORKS  
7743 E ADAMS ST  
PARAMOUNT, CA 90723**

### NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR A COPY THEREOF MUST BE KEPT AT THE LOCATION FOR WHICH IT IS ISSUED.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT SHALL NOT BE CONSTRUED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF ANY OTHER FEDERAL, STATE OR LOCAL GOVERNMENTAL AGENCIES.

Barry R. Wallerstein, D. Env.  
EXECUTIVE OFFICER

By   
Mohsen Nazemi, P.E.  
Deputy Executive Officer  
Engineering & Compliance



## FACILITY PERMIT TO OPERATE CARLTON FORGE WORKS

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## FACILITY PERMIT TO OPERATE CARLTON FORGE WORKS

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 1 - FORGING</b>					
FURNACE, FORGE, NO. R50, NATURAL GAS, WITH LOW NOX BURNER, FLUE GAS RECIRCULATION, 4 MMBTU/HR WITH A/N: 393669  BURNER, NATURAL GAS, HAUCK, MODEL RSVG-125, WITH LOW NOX BURNER, 4 TOTAL; 1 MMBTU/HR	D3		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 60 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	B59.1, D28.4, D323.1, E71.1, E147.1, E147.2
FURNACE, FORGE, NO. C201, NATURAL GAS, WITH LOW NOX BURNER, 6 MMBTU/HR WITH A/N: 312464  BURNER, SIX, NATURAL GAS, NORTH AMERICAN, MODEL 4442-5, WITH LOW NOX BURNER, 1 MMBTU/HR	D4		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	A63.3, B59.1, D12.1, D323.1, E71.1, E147.1, E147.2

\* (1) (1A) (1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5) (5A) (5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits  
(2) (2A) (2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
(10) See section J for NESHAP/MACT requirements

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



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<b>Process 1: FORGING</b>					
FURNACE, FORGE, NO. C203, NATURAL GAS, WITH LOW NOX BURNER, 6 MMBTU/HR WITH A/N: 312465  BURNER, SIX, NATURAL GAS, NORTH AMERICAN, MODEL 4442-5, WITH LOW NOX BURNER, 1 MMBTU/HR	D6		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	A63.3, B59.1, D12.1, D323.1, E71.1, E147.1, E147.2
FURNACE, FORGE, NO. B2012, NATURAL GAS, 2.4 MMBTU/HR A/N: 197190	D8		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	B59.1, D323.1, E71.1, E147.1, E147.2
FURNACE, FORGE, NO. B2512, NATURAL GAS, 4.79 MMBTU/HR A/N: 197191	D9		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	B59.1, D323.1, E71.1, E147.1, E147.2

- \* (1) (1A) (1B) Denotes RECLAIM emission factor (2) (2A) (2B) Denotes RECLAIM emission rate  
(3) Denotes RECLAIM concentration limit (4) Denotes BACT emission limit  
(5) (5A) (5B) Denotes command and control emission limit (6) Denotes air toxic control rule limit  
(7) Denotes NSR applicability limit (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
(9) See App B for Emission Limits (10) See section J for NESHAP/MACT requirements

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 1: FORGING</b>					
FURNACE, FORGE, NO. R1, SAUDER INDUSTRIES, NATURAL GAS, WITH LOW NOX BURNER, 5.2 MMBTU/HR WITH A/N: 361870  BURNER, NATURAL GAS, HAUCK MANUFACTURING, MODEL RSVG-130, WITH LOW NOX BURNER, 4 TOTAL; 1.3 MMBTU/HR	D18		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 60 PPMV NATURAL GAS (4) [RULE 2005, 5-6-2005; RULE 2005, 6-3-2011]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	B59.1, C1.2, D323.1, E71.1, E147.1, E147.2
FURNACE, FORGE, NO. R502, SAUDER INDUSTRIES, NATURAL GAS, WITH LOW NOX BURNER, 4 MMBTU/HR WITH A/N: 485177  BURNER, NATURAL GAS, HAUCK, MODEL RSVG-125, WITH LOW NOX BURNER, 4 TOTAL; 1 MMBTU/HR	D19		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	B59.1, C1.1, D323.1, E71.1, E147.1, E147.2

\* (1) (1A) (1B) Denotes RECLAIM emission factor  
 (3) Denotes RECLAIM concentration limit  
 (5) (5A) (5B) Denotes command and control emission limit  
 (7) Denotes NSR applicability limit  
 (9) See App B for Emission Limits  
 (2) (2A) (2B) Denotes RECLAIM emission rate  
 (4) Denotes BACT emission limit  
 (6) Denotes air toxic control rule limit  
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1 FORGING</b>					
FURNACE, FORGE, NO. R503, SAUDER INDUSTRIES, NATURAL GAS, WITH LOW NOX BURNER, 4 MMBTU/HR WITH A/N: 485176  BURNER, NATURAL GAS, HAUCK, MODEL RSVG-125, WITH LOW NOX BURNER, 4 TOTAL; 1 MMBTU/HR	D20		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	B59.1, D12.1, D323.1, E71.1, E147.1, E147.2
FURNACE, HEAT TREATING, NO. C305, NATURAL GAS, 3 MMBTU/HR A/N: 195075	D21		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	B59.1, D323.1
FURNACE, FORGE, NO. 306, NATURAL GAS, 7.6 MMBTU/HR A/N: 307983	D27		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	A63.1, B59.1, D12.1, D323.1, E71.1, E147.1, E147.2

\* (1) (1A) (1B) Denotes RECLAIM emission factor  
 (3) Denotes RECLAIM concentration limit  
 (5) (5A) (5B) Denotes command and control emission limit  
 (7) Denotes NSR applicability limit  
 (9) See App B for Emission Limits  
 (2) (2A) (2B) Denotes RECLAIM emission rate  
 (4) Denotes BACT emission limit  
 (6) Denotes air toxic control rule limit  
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
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<b>Process 1: FORGING</b>					
FURNACE, FORGE, NO. 307, NATURAL GAS, 7.6 MMBTU/HR A/N: 307985	D28		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	A63.1, B59.1, D12.1, D323.1, E71.1, E147.1, E147.2
FURNACE, FORGE, NO. 401, NATURAL GAS, 7.6 MMBTU/HR A/N: 307984	D29		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 407, 4-2-1982]	A63.1, B59.1, D12.1, D323.1, E71.1, E147.1, E147.2
FURNACE, FORGE, NO. 403, NATURAL GAS, WITH LOW NOX BURNER, 6 MMBTU/HR WITH A/N: 383749  BURNER, NATURAL GAS, HAUCK, MODEL SVG-125B-001, WITH LOW NOX BURNER, 6 TOTAL; 1 MMBTU/HR	D39		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 50 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 407, 4-2-1982]	B59.1, C1.4, C6.1, D28.4, D323.1, E71.1, E147.1, E147.2

- \* (1) (1A) (1B) Denotes RECLAIM emission factor
- (3) Denotes RECLAIM concentration limit
- (5) (5A) (5B) Denotes command and control emission limit
- (7) Denotes NSR applicability limit
- (9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
- (4) Denotes BACT emission limit
- (6) Denotes air toxic control rule limit
- (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process I FORGING</b>					
FURNACE, FORGE, NO. 402, NATURAL GAS, WITH LOW NOX BURNER, 6 MMBTU/HR WITH A/N: 383748  BURNER, NATURAL GAS, HAUCK, MODEL SVG-125B-001, WITH LOW NOX BURNER, 6 TOTAL; 1 MMBTU/HR	D40		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 50 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	B59.1, C1.4, C6.1, D28.4, D323.1, E71.1, E147.1, E147.2
FURNACE, FORGE, AL-4, NATURAL GAS, WITH LOW NOX BURNER, 5.6 MMBTU/HR WITH A/N:  BURNER, NATURAL GAS, MAXON, MODEL 456M, WITH LOW NOX BURNER, 1 TOTAL; 5.6 MMBTU/HR	D53		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	A63.4, B59.1, D12.1, D323.1, E71.1, E147.1, E147.2

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<b>Process 1: FORGING</b>					
FURNACE, FORGE, NO. 404, NATURAL GAS, WITH LOW NOX BURNER, 6 MMBTU/HR WITH A/N: 383750  BURNER, NATURAL GAS, HAUCK, MODEL SVG-125B-001, WITH LOW NOX BURNER, 6 TOTAL; 1 MMBTU/HR	D55		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 50 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	B59.1, C1.4, C6.1, D28.4, D323.1, E71.1, E147.1, E147.2
FURNACE, FORGE, NO. 405, NATURAL GAS, WITH LOW NOX BURNER, 6 MMBTU/HR WITH A/N: 383751  BURNER, NATURAL GAS, HAUCK, MODEL SVG-125B-001, WITH LOW NOX BURNER, 6 TOTAL; 1 MMBTU/HR	D62		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 50 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	B59.1, C1.4, C6.1, D28.4, D323.1, E71.1, E147.1, E147.2

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<b>Process 1: FORGING</b>					
FURNACE, FORGE, NO. 406, NATURAL GAS, WITH LOW NOX BURNER, 6 MMBTU/HR WITH A/N: 383752  BURNER, NATURAL GAS, HAUCK, MODEL SVG-125B-001, WITH LOW NOX BURNER, 6 TOTAL; 1 MMBTU/HR	D63		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 50 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	B59.1, C1.4, C6.1, D28.4, D323.1, E71.1, E147.1, E147.2
FURNACE, FORGE, NO. 408, NATURAL GAS, WITH LOW NOX BURNER, 6 MMBTU/HR WITH A/N: 383754  BURNER, NATURAL GAS, HAUCK, MODEL SVG-125B-001, WITH LOW NOX BURNER, 6 TOTAL; 1 MMBTU/HR	D64		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 50 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	B59.1, C1.4, C6.1, D28.4, D323.1, E71.1, E147.1, E147.2

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<b>Process 1: FORGING</b>					
FURNACE, FORGE, NO. 409, NATURAL GAS, WITH LOW NOX BURNER, 6 MMBTU/HR WITH A/N: 383755  BURNER, NATURAL GAS, HAUCK, MODEL SVG-125B-001, WITH LOW NOX BURNER, 6 TOTAL; 1 MMBTU/HR	D65		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 50 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	B59.1, C1.4, C6.1, D28.4, D323.1, E71.1, E147.1, E147.2
FURNACE, FORGE, NO. 407, NATURAL GAS, WITH LOW NOX BURNER, 6 MMBTU/HR WITH A/N: 383753  BURNER, NATURAL GAS, HAUCK, MODEL SVG-125B-001, WITH LOW NOX BURNER, 6 TOTAL; 1 MMBTU/HR	D66		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 50 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	B59.1, C1.4, C6.1, D28.4, D323.1, E71.1, E147.1, E147.2

\* (1) (1A) (1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5) (5A) (5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits  
(2) (2A) (2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
(10) See section J for NESHAP/MACT requirements

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



## FACILITY PERMIT TO OPERATE CARLTON FORGE WORKS

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process I: FORGING</b>					
FURNACE, FORGE, 410, NATURAL GAS, WITH LOW NOX BURNER, 6 MMBTU/HR WITH A/N: 383756  BURNER, NATURAL GAS, HAUCK, MODEL SVG-125B-001, WITH LOW NOX BURNER, 6 TOTAL: 1 MMBTU/HR	D97		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 50 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	B59.1, C1.4, C6.1, D28.4, D323.1, E71.1, E147.1, E147.2
FURNACE, FORGE, 411, NATURAL GAS, WITH LOW NOX BURNER, 6 MMBTU/HR WITH A/N: 383757  BURNER, NATURAL GAS, HAUCK, MODEL SVG-125B-001, WITH LOW NOX BURNER, 6 TOTAL: 1 MMBTU/HR	D99		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 50 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	B59.1, C1.4, C6.1, D28.4, D323.1, E71.1, E147.1, E147.2

\* (1) (1A) (1B) Denotes RECLAIM emission factor  
 (2) (2A) (2B) Denotes RECLAIM emission rate  
 (3) Denotes RECLAIM concentration limit  
 (4) Denotes BACT emission limit  
 (5) (5A) (5B) Denotes command and control emission limit  
 (6) Denotes air toxic control rule limit  
 (7) Denotes NSR applicability limit  
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
 (9) See App B for Emission Limits  
 (10) See section J for NESHAP/MACT requirements

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



## FACILITY PERMIT TO OPERATE CARLTON FORGE WORKS

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 1: FORGING</b>					
FURNACE, FORGE, 412, NATURAL GAS, WITH LOW NOX BURNER, 6 MMBTU/HR WITH A/N: 383759  BURNER, NATURAL GAS, HAUCK, MODEL SVG-125B-001, WITH LOW NOX BURNER, 6 TOTAL; 1 MMBTU/HR	D100		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 50 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	B59.1, C1.4, C6.1, D28.4, D323.1, E71.1, E147.1, E147.2
FURNACE, FORGE, 413, NATURAL GAS, WITH LOW NOX BURNER, 6 MMBTU/HR WITH A/N: 383760  BURNER, NATURAL GAS, HAUCK, MODEL SVG-125B-001, WITH LOW NOX BURNER, 6 TOTAL; 1 MMBTU/HR	D103		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 50 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	B59.1, C1.4, C6.1, D28.4, D323.1, E71.1, E147.1, E147.2

\* (1) (1A) (1B) Denotes RECLAIM emission factor  
 (3) Denotes RECLAIM concentration limit  
 (5) (5A) (5B) Denotes command and control emission limit  
 (7) Denotes NSR applicability limit  
 (9) See App B for Emission Limits  
 (2) (2A) (2B) Denotes RECLAIM emission rate  
 (4) Denotes BACT emission limit  
 (6) Denotes air toxic control rule limit  
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
 (10) See section J for NESHAP/MACT requirements

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



## FACILITY PERMIT TO OPERATE CARLTON FORGE WORKS

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 1: FORGING</b>					
FURNACE, FORGE, 414, NATURAL GAS, WITH LOW NOX BURNER, 6 MMBTU/HR WITH A/N: 383761  BURNER, NATURAL GAS, HAUCK, MODEL SVG-125B-001, WITH LOW NOX BURNER, 6 TOTAL; 1 MMBTU/HR	D104		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 50 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	B59.1, C1.4, C6.1, D28.4, D323.1, E71.1, E147.1, E147.2
FURNACE, FORGE, 415, NATURAL GAS, WITH LOW NOX BURNER, 6 MMBTU/HR WITH A/N: 383762  BURNER, NATURAL GAS, HAUCK, MODEL SVG-125B-001, WITH LOW NOX BURNER, 6 TOTAL; 1 MMBTU/HR	D107		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 50 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	B59.1, C1.4, C6.1, D28.4, D323.1, E71.1, E147.1, E147.2

- \* (1) (1A) (1B) Denotes RECLAIM emission factor
- (3) Denotes RECLAIM concentration limit
- (5) (5A) (5B) Denotes command and control emission limit
- (7) Denotes NSR applicability limit
- (9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
- (4) Denotes BACT emission limit
- (6) Denotes air toxic control rule limit
- (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
- (10) See section J for NESHAP/MACT requirements

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



## FACILITY PERMIT TO OPERATE CARLTON FORGE WORKS

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1 - FORGING</b>					
FURNACE, FORGE, AL-5, NATURAL GAS, WITH LOW NOX BURNER, 6 MMBTU/HR WITH A/N: 560284  BURNER, NATURAL GAS, ECLIPSE, MODEL WX600, WITH LOW NOX BURNER, 1 TOTAL; 6 MMBTU/HR	D109		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 50 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; NOX: 50 PPMV NATURAL GAS (4) [RULE 2005, 6-3-2011]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	B59.1, C1.6, C6.2, D28.4, D323.1, E71.1, E147.1, E147.2, I298.6
FURNACE, FORGE, NO. 417, NATURAL GAS, WITH LOW NOX BURNER, 6 MMBTU/HR WITH A/N: 383763  BURNER, NATURAL GAS, HAUCK, MODEL SVG-125B-001, WITH LOW NOX BURNER, 6 TOTAL; 1 MMBTU/HR	D115		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 50 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	B59.1, C1.4, C6.1, D28.4, D323.1, E71.1, E147.1, E147.2

\* (1) (1A) (1B) Denotes RECLAIM emission factor  
 (3) Denotes RECLAIM concentration limit  
 (5) (5A) (5B) Denotes command and control emission limit  
 (7) Denotes NSR applicability limit  
 (9) See App B for Emission Limits  
 (2) (2A) (2B) Denotes RECLAIM emission rate  
 (4) Denotes BACT emission limit  
 (6) Denotes air toxic control rule limit  
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
 (10) See section J for NESHAP/MACT requirements  
 \*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



## FACILITY PERMIT TO OPERATE CARLTON FORGE WORKS

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 1: FORGING</b>					
FURNACE, FORGE, NO.416, NATURAL GAS, WITH LOW NOX BURNER, 6 MMBTU/HR WITH A/N: 383765  BURNER, NATURAL GAS, HAUCK, MODEL SVG-125B-001, WITH LOW NOX BURNER, 6 TOTAL; 1 MMBTU/HR	D116		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 50 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	B59.1, C1.4, C6.1, D28.4, D323.1, E71.1, E147.1, E147.2
FURNACE, FORGE, NO. 418, NATURAL GAS, WITH LOW NOX BURNER, 6 MMBTU/HR WITH A/N: 383764  BURNER, NATURAL GAS, HAUCK, MODEL SVG-125B-001, WITH LOW NOX BURNER, 6 TOTAL; 1 MMBTU/HR	D117		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 50 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	B59.1, C1.4, C6.1, D28.4, D323.1, E71.1, E147.1, E147.2

- \* (1) (1A) (1B) Denotes RECLAIM emission factor
- (3) Denotes RECLAIM concentration limit
- (5) (5A) (5B) Denotes command and control emission limit
- (7) Denotes NSR applicability limit
- (9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
- (4) Denotes BACT emission limit
- (6) Denotes air toxic control rule limit
- (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
- (10) See section J for NESHAP/MACT requirements

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



## FACILITY PERMIT TO OPERATE CARLTON FORGE WORKS

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 1: FORGING</b>					
FURNACE, FORGE, NO. 419, NATURAL GAS, WITH LOW NOX BURNER, 6 MMBTU/HR WITH A/N: 383784  BURNER, NATURAL GAS, HAUCK, MODEL SVG-125B-001, WITH LOW NOX BURNER, 6 TOTAL; 1 MMBTU/HR	D118		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 50 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	B59.1, C1.4, C6.1, D28.4, D323.1, E71.1, E147.1, E147.2
FURNACE, FORGE, NO. AL-6, NATURAL GAS, WITH LOW NOX BURNER, 5.6 MMBTU/HR WITH A/N:  BURNER, NATURAL GAS, MAXON, MODEL 456M, WITH LOW NOX BURNER, 1 TOTAL; 5.6 MMBTU/HR	D119		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 60 PPMV NATURAL GAS (4) [RULE 2005, 5-6-2005; RULE 2005, 6-3-2011]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	B59.1, C1.3, C6.1, D323.1, E71.1, E147.1, E147.2

<p>* (1) (1A) (1B) Denotes RECLAIM emission factor (3) Denotes RECLAIM concentration limit (5) (5A) (5B) Denotes command and control emission limit (7) Denotes NSR applicability limit (9) See App B for Emission Limits</p>	<p>(2) (2A) (2B) Denotes RECLAIM emission rate (4) Denotes BACT emission limit (6) Denotes air toxic control rule limit (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.) (10) See section J for NESHAP/MACT requirements</p>
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## FACILITY PERMIT TO OPERATE CARLTON FORGE WORKS

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1: FORGING</b>					
FURNACE, FORGE, NO. 420, NATURAL GAS, WITH LOW NOX BURNER, 6 MMBTU/HR WITH A/N: 377040  BURNER, NATURAL GAS, HAUCK, MODEL SVG-125, WITH LOW NOX BURNER, 6 TOTAL; 1 MMBTU/HR	D128		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 50 PPMV NATURAL GAS (4) [RULE 2005, 5-6-2005; RULE 2005, 6-3-2011]; NOX: 60 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	B59.1, C1.5, C6.1, D28.4, E71.1, E147.1, E147.2
FURNACE, FORGE, NO. 421, NATURAL GAS, WITH LOW NOX BURNER, 6 MMBTU/HR WITH A/N: 392912  BURNER, NATURAL GAS, HAUCK, MODEL SVG-125, WITH LOW NOX BURNER, 6 TOTAL; 1 MMBTU/HR	D129		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 50 PPMV NATURAL GAS (4) [RULE 2005, 5-6-2005; RULE 2005, 6-3-2011]; NOX: 50 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	B59.1, C1.4, C6.1, D28.4, E71.1, E147.1, E147.2

\* (1) (1A) (1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5) (5A) (5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits  
(2) (2A) (2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
(10) See section J for NESHAP/MACT requirements

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



## FACILITY PERMIT TO OPERATE CARLTON FORGE WORKS

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process I: FORGING</b>					
FURNACE, FORGE, NO. 422, NATURAL GAS, WITH LOW NOX BURNER, 6 MMBTU/HR WITH A/N: 392913  BURNER, NATURAL GAS, HAUCK, MODEL SVG-125, WITH LOW NOX BURNER, 6 TOTAL; 1 MMBTU/HR	D130		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 50 PPMV NATURAL GAS (4) [RULE 2005, 5-6-2005; RULE 2005, 6-3-2011]; NOX: 50 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	B59.1, C1.4, C6.1, D28.4, D323.1, E71.1, E147.1, E147.2
FURNACE, FORGE, NO. 423, NATURAL GAS, WITH LOW NOX BURNER, 6 MMBTU/HR WITH A/N: 427710  BURNER, NATURAL GAS, HAUCK, MODEL SVG-125, WITH LOW NOX BURNER, 6 TOTAL; 1 MMBTU/HR	D142		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 50 PPMV NATURAL GAS (4) [RULE 2005, 5-6-2005; RULE 2005, 6-3-2011]; NOX: 50 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	B59.1, C1.4, C6.1, D28.4, D323.1, E71.1, E147.1, E147.2

\* (1) (1A) (1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5) (5A) (5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits  
(2) (2A) (2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
(10) See section J for NESHAP/MACT requirements

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.





## FACILITY PERMIT TO OPERATE CARLTON FORGE WORKS

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process I FORGING</b>					
FURNACE, FORGE, NO. 426, NATURAL GAS, WITH LOW NOX BURNER, 6 MMBTU/HR WITH A/N: 444117  BURNER, NATURAL GAS, ECLIPSE, MODEL TJ100, WITH LOW NOX BURNER, 6 TOTAL; 1 MMBTU/HR	D148		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 50 PPMV NATURAL GAS (4) [RULE 2005, 5-6-2005; RULE 2005, 6-3-2011]; NOX: 50 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	B59.1, C1.4, C6.1, D28.4, D323.1, E71.1, E147.1, E147.2
FURNACE, FORGE, NO. 427, NATURAL GAS, WITH LOW NOX BURNER, 6 MMBTU/HR WITH A/N: 444118  BURNER, NATURAL GAS, ECLIPSE, MODEL TJ100, WITH LOW NOX BURNER, 6 TOTAL; 1 MMBTU/HR	D150		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 50 PPMV NATURAL GAS (4) [RULE 2005, 5-6-2005; RULE 2005, 6-3-2011]; NOX: 50 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	B59.1, C1.4, C6.1, D28.4, D323.1, E71.1, E147.1, E147.2

\* (1) (1A) (1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5) (5A) (5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits  
(2) (2A) (2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
(10) See section J for NESHAP/MACT requirements

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



## FACILITY PERMIT TO OPERATE CARLTON FORGE WORKS

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 1: FORGING</b>					
FURNACE, FORGE, NO. 428, NATURAL GAS, WITH LOW NOX BURNER, 6 MMBTU/HR WITH A/N: 444718  BURNER, NATURAL GAS, ECLIPSE, MODEL TJ100, WITH LOW NOX BURNER, 6 TOTAL; 1 MMBTU/HR	D152		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 50 PPMV NATURAL GAS (4) [RULE 2005, 5-6-2005; RULE 2005, 6-3-2011]; NOX: 50 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	B59.1, C1.4, C6.1, D28.4, D323.1, E71.1, E147.1, E147.2
FURNACE, FORGE, NO. 429, NATURAL GAS, WITH LOW NOX BURNER, 6 MMBTU/HR WITH A/N: 444719  BURNER, NATURAL GAS, ECLIPSE, MODEL TJ100, WITH LOW NOX BURNER, 6 TOTAL; 1 MMBTU/HR	D154		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 50 PPMV NATURAL GAS (4) [RULE 2005, 5-6-2005; RULE 2005, 6-3-2011]; NOX: 50 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	B59.1, C1.4, C6.1, D28.4, D323.1, E71.1, E147.1, E147.2

- \* (1) (1A) (1B) Denotes RECLAIM emission factor
- (3) Denotes RECLAIM concentration limit
- (5) (5A) (5B) Denotes command and control emission limit
- (7) Denotes NSR applicability limit
- (9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
- (4) Denotes BACT emission limit
- (6) Denotes air toxic control rule limit
- (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
- (10) See section J for NESHAP/MACT requirements

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



## FACILITY PERMIT TO OPERATE CARLTON FORGE WORKS

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 1: FORGING</b>					
FURNACE, FORGE, NO. 430, NATURAL GAS, WITH LOW NOX BURNER, 6 MMBTU/HR WITH A/N: 444720  BURNER, NATURAL GAS, ECLIPSE, MODEL TJ100, WITH LOW NOX BURNER, 6 TOTAL; 1 MMBTU/HR	D156		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 50 PPMV NATURAL GAS (4) [RULE 2005, 5-6-2005; RULE 2005, 6-3-2011]; NOX: 50 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	B59.1, C1.4, C6.1, D28.4, D323.1, E71.1, E147.1, E147.2
FURNACE, FORGE, NO. 431, NATURAL GAS, WITH LOW NOX BURNER, 6 MMBTU/HR WITH A/N: 444721  BURNER, NATURAL GAS, ECLIPSE, MODEL TJ100, WITH LOW NOX BURNER, 6 TOTAL; 1 MMBTU/HR	D158		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 50 PPMV NATURAL GAS (4) [RULE 2005, 5-6-2005; RULE 2005, 6-3-2011]; NOX: 50 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	B59.1, C1.4, C6.1, D28.4, D323.1, E71.1, E147.1, E147.2

- |   |   |
|---|---|
| <p>* (1) (1A) (1B) Denotes RECLAIM emission factor<br/>(3) Denotes RECLAIM concentration limit<br/>(5) (5A) (5B) Denotes command and control emission limit<br/>(7) Denotes NSR applicability limit<br/>(9) See App B for Emission Limits</p> | <p>(2) (2A) (2B) Denotes RECLAIM emission rate<br/>(4) Denotes BACT emission limit<br/>(6) Denotes air toxic control rule limit<br/>(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)<br/>(10) See section J for NESHAP/MACT requirements</p> |
|---|---|

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



## FACILITY PERMIT TO OPERATE CARLTON FORGE WORKS

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 1. FORGING</b>					
FURNACE, FORGE, NO. 701, NATURAL GAS, WITH LOW NOX BURNER, 3 MMBTU/HR WITH A/N: 468669  BURNER, NATURAL GAS, ECLIPSE, MODEL FN0150, WITH LOW NOX BURNER, 2 TOTAL; 1.5 MMBTU/HR	D160		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 50 PPMV NATURAL GAS (4) [RULE 2005, 5-6-2005; RULE 2005, 6-3-2011]; NOX: 50 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	B59.1, C1.1, C6.1, D28.4, D323.1, E71.1, E147.1, E147.2
FURNACE, FORGE, NO. 702, NATURAL GAS, WITH LOW NOX BURNER, 3 MMBTU/HR WITH A/N: 468620  BURNER, NATURAL GAS, ECLIPSE, MODEL FN0100, WITH LOW NOX BURNER, 3 TOTAL; 1 MMBTU/HR	D164		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 50 PPMV NATURAL GAS (4) [RULE 2005, 5-6-2005; RULE 2005, 6-3-2011]; NOX: 50 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	B59.1, C1.1, C6.1, D28.4, D323.1, E71.1, E147.1, E147.2

- \* (1) (1A) (1B) Denotes RECLAIM emission factor
  - (3) Denotes RECLAIM concentration limit
  - (5) (5A) (5B) Denotes command and control emission limit
  - (7) Denotes NSR applicability limit
  - (9) See App B for Emission Limits
  - (2) (2A) (2B) Denotes RECLAIM emission rate
  - (4) Denotes BACT emission limit
  - (6) Denotes air toxic control rule limit
  - (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
  - (10) See section J for NESHAP/MACT requirements
- \*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



## FACILITY PERMIT TO OPERATE CARLTON FORGE WORKS

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process I: FORGING</b>					
FURNACE, FORGE, NO. 601, NATURAL GAS, WITH LOW NOX BURNER, 3 MMBTU/HR WITH A/N: 472377  BURNER, NATURAL GAS, ECLIPSE, MODEL FN0150, WITH LOW NOX BURNER, 2 TOTAL; 1.5 MMBTU/HR	D166		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 50 PPMV NATURAL GAS (4) [RULE 2005, 5-6-2005; RULE 2005, 6-3-2011]; NOX: 50 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	B59.1, C1.1, C6.1, D28.4, D323.1, E71.1, E147.1, E147.2
FURNACE, FORGE, NO. 703, NATURAL GAS, WITH LOW NOX BURNER, 3 MMBTU/HR WITH A/N: 472973  BURNER, NATURAL GAS, ECLIPSE, MODEL FN0150, WITH LOW NOX BURNER, 2 TOTAL; 1.5 MMBTU/HR	D170		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 50 PPMV NATURAL GAS (4) [RULE 2005, 5-6-2005; RULE 2005, 6-3-2011]; NOX: 50 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	B59.1, C1.1, C6.1, D28.4, D323.1, E71.1, E147.1, E147.2

* (1) (1A) (1B) Denotes RECLAIM emission factor	(2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit	(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit	(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit	(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(9) See App B for Emission Limits	(10) See section J for NESHAP/MACT requirements

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



## FACILITY PERMIT TO OPERATE CARLTON FORGE WORKS

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process I - FORGING</b>					
FURNACE, FORGE, NO. 704, NATURAL GAS, WITH LOW NOX BURNER, 3 MMBTU/HR WITH A/N: 472976  BURNER, NATURAL GAS, ECLIPSE, MODEL FN0150, WITH LOW NOX BURNER, 2 TOTAL; 1.5 MMBTU/HR	D172		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 50 PPMV NATURAL GAS (4) [RULE 2005, 5-6-2005; RULE 2005, 6-3-2011]; NOX: 50 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	B59.1, C1.1, C6.1, D28.4, D323.1, E71.1, E147.1, E147.2
FURNACE, FORGE, NO. 705, NATURAL GAS, WITH LOW NOX BURNER, 3 MMBTU/HR WITH A/N: 472977  BURNER, NATURAL GAS, ECLIPSE, MODEL FN0150, WITH LOW NOX BURNER, 2 TOTAL; 1.5 MMBTU/HR	D174		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 50 PPMV NATURAL GAS (4) [RULE 2005, 5-6-2005; RULE 2005, 6-3-2011]; NOX: 50 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	B59.1, C1.1, C6.1, D28.4, D323.1, E71.1, E147.1, E147.2

- \* (1) (1A) (1B) Denotes RECLAIM emission factor
- (3) Denotes RECLAIM concentration limit
- (5) (5A) (5B) Denotes command and control emission limit
- (7) Denotes NSR applicability limit
- (9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
- (4) Denotes BACT emission limit
- (6) Denotes air toxic control rule limit
- (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
- (10) See section J for NESHAP/MACT requirements

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



## FACILITY PERMIT TO OPERATE CARLTON FORGE WORKS

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process I: FORGING</b>					
FURNACE, FORGE, NO. 706, NATURAL GAS, WITH LOW NOX BURNER, 3 MMBTU/HR WITH A/N: 472978  BURNER, NATURAL GAS, ECLIPSE, MODEL FN0150, WITH LOW NOX BURNER, 2 TOTAL; 1.5 MMBTU/HR	D176		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 50 PPMV NATURAL GAS (4) [RULE 2005, 5-6-2005; RULE 2005, 6-3-2011]; NOX: 50 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	B59.1, C1.1, C6.1, D28.4, D323.1, E71.1, E147.1, E147.2
FURNACE, FORGE, NO. 707, NATURAL GAS, WITH LOW NOX BURNER, 3 MMBTU/HR WITH A/N: 472979  BURNER, NATURAL GAS, ECLIPSE, MODEL FN0150, WITH LOW NOX BURNER, 2 TOTAL; 1.5 MMBTU/HR	D178		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 50 PPMV NATURAL GAS (4) [RULE 2005, 5-6-2005; RULE 2005, 6-3-2011]; NOX: 50 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	B59.1, C1.1, C6.1, D28.4, D323.1, E71.1, E147.1, E147.2

- \* (1) (1A) (1B) Denotes RECLAIM emission factor  
 (2) (2A) (2B) Denotes RECLAIM emission rate  
 (3) Denotes RECLAIM concentration limit  
 (4) Denotes BACT emission limit  
 (5) (5A) (5B) Denotes command and control emission limit  
 (6) Denotes air toxic control rule limit  
 (7) Denotes NSR applicability limit  
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
 (9) See App B for Emission Limits  
 (10) See section J for NESHAP/MACT requirements

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



## FACILITY PERMIT TO OPERATE CARLTON FORGE WORKS

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 1: FORGING</b>					
FURNACE, FORGE, NO. 708, NATURAL GAS, WITH LOW NOX BURNER, 3 MMBTU/HR WITH A/N: 472980  BURNER, NATURAL GAS, ECLIPSE, MODEL FN0150, WITH LOW NOX BURNER, 2 TOTAL; 1.5 MMBTU/HR	D180		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 50 PPMV NATURAL GAS (4) [RULE 2005, 5-6-2005; RULE 2005, 6-3-2011]; NOX: 50 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	B59.1, C1.1, C6.1, D28.4, D323.1, E71.1, E147.1, E147.2
FURNACE, FORGE, NO. 432, NATURAL GAS, WITH LOW NOX BURNER, 6 MMBTU/HR WITH A/N: 560286  BURNER, NATURAL GAS, ECLIPSE, MODEL FN0100, WITH LOW NOX BURNER, 6 TOTAL; 1 MMBTU/HR	D182		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 50 PPMV NATURAL GAS (4) [RULE 2005, 5-6-2005; RULE 2005, 6-3-2011]; NOX: 50 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	B59.1, C1.9, C6.1, D28.4, D323.1, E71.1, E147.1, E147.2, I298.8

\* (1) (1A) (1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5) (5A) (5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits  
(2) (2A) (2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
(10) See section J for NESHAP/MACT requirements

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



## FACILITY PERMIT TO OPERATE CARLTON FORGE WORKS

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 1: FORGING</b>					
FURNACE, FORGE, NO. 433, NATURAL GAS, WITH LOW NOX BURNER, 6 MMBTU/HR WITH A/N: 481056  BURNER, NATURAL GAS, ECLIPSE, MODEL FN0100, WITH LOW NOX BURNER, 6 TOTAL; 1 MMBTU/HR	D184		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 50 PPMV NATURAL GAS (4) [RULE 2005, 5-6-2005; RULE 2005, 6-3-2011]; NOX: 50 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	B59.1, C1.1, C6.1, D28.4, D323.1, E71.1, E147.1, E147.2
FURNACE, FORGE, NO. 434, NATURAL GAS, WITH LOW NOX BURNER, 6 MMBTU/HR WITH A/N: 481057  BURNER, NATURAL GAS, ECLIPSE, MODEL FN0100, WITH LOW NOX BURNER, 6 TOTAL; 1 MMBTU/HR	D186		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 50 PPMV NATURAL GAS (4) [RULE 2005, 5-6-2005; RULE 2005, 6-3-2011]; NOX: 50 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	B59.1, C1.1, C6.1, D28.4, D323.1, E71.1, E147.1, E147.2

- \* (1) (1A) (1B) Denotes RECLAIM emission factor  
 (2) (2A) (2B) Denotes RECLAIM emission rate  
 (3) Denotes RECLAIM concentration limit  
 (4) Denotes BACT emission limit  
 (5) (5A) (5B) Denotes command and control emission limit  
 (6) Denotes air toxic control rule limit  
 (7) Denotes NSR applicability limit  
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
 (9) See App B for Emission Limits  
 (10) See section J for NESHAP/MACT requirements

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



## FACILITY PERMIT TO OPERATE CARLTON FORGE WORKS

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1: FORGING</b>					
FURNACE, FORGE, NO. 435, NATURAL GAS, WITH LOW NOX BURNER, 6 MMBTU/HR WITH A/N: 560287  BURNER, NATURAL GAS, ECLIPSE, MODEL FN0100, WITH LOW NOX BURNER, 6 TOTAL; 1 MMBTU/HR	D188		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 50 PPMV NATURAL GAS (4) [RULE 2005, 6-3-2011]; NOX: 50 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	B59.1, C1.9, C6.1, D28.4, D323.1, E71.1, E147.1, E147.2, I298.2
FURNACE, FORGE, NO. 709, NATURAL GAS, WITH LOW NOX BURNER, 6 MMBTU/HR WITH A/N: 485183  BURNER, NATURAL GAS, ECLIPSE, MODEL FN0100, WITH LOW NOX BURNER, 6 TOTAL; 1 MMBTU/HR	D190		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 50 PPMV NATURAL GAS (4) [RULE 2005, 5-6-2005; RULE 2005, 6-3-2011]; NOX: 50 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	B59.1, C1.1, C6.1, D28.4, D29.2, D323.1, E71.1, E147.1, E147.2, I298.3, K171.2

- \* (1) (1A) (1B) Denotes RECLAIM emission factor
- (3) Denotes RECLAIM concentration limit
- (5) (5A) (5B) Denotes command and control emission limit
- (7) Denotes NSR applicability limit
- (9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
- (4) Denotes BACT emission limit
- (6) Denotes air toxic control rule limit
- (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
- (10) See section J for NESHAP/MACT requirements

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.





## FACILITY PERMIT TO OPERATE CARLTON FORGE WORKS

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 4: ABRASIVE BLASTING</b>					
BAGHOUSE, PANEL, CARTRIDGE FILTER, DONALDSON TORIT, 4560 SQ.FT.; 24 CARTRIDGE A/N: 460954	C163	D36		PM: (9) [RULE 404, 2-7-1986]	D322.1, D381.1, E102.1, K67.1
<b>Process 5: RULE 219 EXEMPT EQUIPMENT</b>					
<b>System 1:</b>					
RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, PORTABLE, ARCHITECTURAL COATINGS	E135			ROG: (9) [RULE 1113, 11-8-1996; RULE 1113, 6-3-2011]	K67.2
<b>Process 6: COATING OPERATIONS</b>					
SPRAY COATING OPERATION, TITANIUM OXIDE SPRAY BOOTH, MSI, WITH FABRIC FILTER, 18 TOTAL A/N: 459088	D162			ROG: (9) [RULE 1107, 11-9-2001; RULE 1107, 1-6-2006]	B59.2, C1.7, E175.1, H23.2

\* (1) (1A) (1B) Denotes RECLAIM emission factor  
 (2) (2A) (2B) Denotes RECLAIM emission rate  
 (3) Denotes RECLAIM concentration limit  
 (4) Denotes BACT emission limit  
 (5) (5A) (5B) Denotes command and control emission limit  
 (6) Denotes air toxic control rule limit  
 (7) Denotes NSR applicability limit  
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
 (9) See App B for Emission Limits  
 (10) See section J for NESHAP/MACT requirements

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



**FACILITY PERMIT TO OPERATE  
CARLTON FORGE WORKS**

**SECTION D: DEVICE ID INDEX**

**The following sub-section provides an index  
to the devices that make up the facility  
description sorted by device ID.**



## FACILITY PERMIT TO OPERATE CARLTON FORGE WORKS

### SECTION D: DEVICE ID INDEX

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D9	2	1	0
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D17	3	1	0
D18	4	1	0
D19	4	1	0
D20	5	1	0
D21	5	1	0
D23	30	3	0
C24	30	3	0
C25	30	3	0
D27	5	1	0
D28	6	1	0
D29	6	1	0
D36	30	4	1
D39	6	1	0
D40	7	1	0
D53	7	1	0
D55	8	1	0
D62	8	1	0
D63	9	1	0
D64	9	1	0
D65	10	1	0
D66	10	1	0
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D99	11	1	0
D100	12	1	0
D103	12	1	0
D104	13	1	0
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**FACILITY PERMIT TO OPERATE  
CARLTON FORGE WORKS**

**SECTION D: DEVICE ID INDEX**

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D128	17	1	0
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E135	31	5	1
D142	18	1	0
D144	19	1	0
D146	19	1	0
D148	20	1	0
D150	20	1	0
D152	21	1	0
D154	21	1	0
D156	22	1	0
D158	22	1	0
D160	23	1	0
D162	31	6	0
C163	31	4	1
D164	23	1	0
D166	24	1	0
D170	24	1	0
D172	25	1	0
D174	25	1	0
D176	26	1	0
D178	26	1	0
D180	27	1	0
D182	27	1	0
D184	28	1	0
D186	28	1	0
D188	29	1	0
D190	29	1	0
D192	30	1	0



## FACILITY PERMIT TO OPERATE CARLTON FORGE WORKS

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

#### FACILITY CONDITIONS

F1.1 The operator shall limit the natural gas fuel usage to no more than 977.0667 MM cubic feet per year.

For the purpose of this condition, the natural gas fuel limit shall be defined as natural gas used in Permitted Equipment.

The operator shall maintain records in a manner approved by the District to demonstrate compliance with this condition.

[RULE 1304(d)- Facility Exemption, 6-14-1996]

#### DEVICE CONDITIONS

##### A. Emission Limits

A63.1 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
CO	Less than or equal to 91 LBS IN ANY 30-DAY PERIOD
PM10	Less than or equal to 20 LBS IN ANY 30-DAY PERIOD
ROG	Less than or equal to 18 LBS IN ANY 30-DAY PERIOD
SOX	Less than or equal to 2 LBS IN ANY 30-DAY PERIOD

[RULE 2005, 5-6-2005; RULE 2005, 6-3-2011]

[Devices subject to this condition : D27, D28, D29]



## FACILITY PERMIT TO OPERATE CARLTON FORGE WORKS

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

A63.2 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
PM10	Less than or equal to 56 LBS IN ANY ONE MONTH

[RULE 2005, 5-6-2005; RULE 2005, 6-3-2011]

[Devices subject to this condition : D36]

A63.3 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
CO	Less than or equal to 73 LBS IN ANY 30-DAY PERIOD
PM10	Less than or equal to 16 LBS IN ANY 30-DAY PERIOD
ROG	Less than or equal to 15 LBS IN ANY 30-DAY PERIOD
SOX	Less than or equal to 2 LBS IN ANY 30-DAY PERIOD

[RULE 2005, 5-6-2005; RULE 2005, 6-3-2011]

[Devices subject to this condition : D4, D6]

A63.4 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
CO	Less than or equal to 72 LBS IN ANY 30-DAY PERIOD
PM10	Less than or equal to 15 LBS IN ANY 30-DAY PERIOD



## FACILITY PERMIT TO OPERATE CARLTON FORGE WORKS

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

ROG	Less than or equal to 14 LBS IN ANY 30-DAY PERIOD
SOX	Less than or equal to 2 LBS IN ANY 30-DAY PERIOD

[RULE 2005, 5-6-2005; RULE 2005, 6-3-2011]

[Devices subject to this condition : D53]

#### B. Material/Fuel Type Limits

B59.1 The operator shall not use the following material(s) in this device :

Metal contaminated with rubber, plastics, paper, rags, oil, grease, or similar smoke-producing material

[RULE 2005, 6-3-2011; RULE 401, 3-2-1984; RULE 401, 11-9-2001]

[Devices subject to this condition : D3, D4, D6, D8, D9, D12, D16, D17, D18, D19, D20, D21, D27, D28, D29, D39, D40, D53, D55, D62, D63, D64, D65, D66, D97, D99, D100, D103, D104, D107, D109, D115, D116, D117, D118, D119, D128, D129, D130, D142, D144, D146, D148, D150, D152, D154, D156, D158, D160, D164, D166, D170, D172, D174, D176, D178, D180, D182, D184, D186, D188, D190, D192]

B59.2 The operator shall not use the following material(s) in this device :

VOC containing coatings

[RULE 2005, 5-6-2005; RULE 2005, 6-3-2011; RULE 401, 3-2-1984; RULE 401, 11-9-2001]



## FACILITY PERMIT TO OPERATE CARLTON FORGE WORKS

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

[Devices subject to this condition : D162]

#### **C. Throughput or Operating Parameter Limits**

C1.1 The operator shall limit the fuel usage to no more than 1.37143 MM cubic feet per month.

For the purpose of this condition, fuel shall be defined as natural gas.

To comply with this condition, the operator shall install and maintain a(n) non-resettable totalizing fuel flow meter to accurately indicate the fuel usage being supplied to the furnace.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

[RULE 2005, 5-6-2005; RULE 2005, 6-3-2011]

[Devices subject to this condition : D19, D160, D164, D166, D170, D172, D174, D176, D178, D180, D184, D186, D190, D192]

C1.2 The operator shall limit the natural gas fuel usage to no more than 1.71429 MM cubic feet in any one calendar month.

To comply with this condition, the operator shall install and maintain a(n) non-resettable totalizing fuel flow meter to accurately indicate the fuel usage of the furnace.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

[RULE 2005, 5-6-2005; RULE 2005, 6-3-2011]



## FACILITY PERMIT TO OPERATE CARLTON FORGE WORKS

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

[Devices subject to this condition : D17, D18]

C1.3 The operator shall limit the fuel usage to no more than 1.92e+06 cubic feet per month.

To comply with this condition, the operator shall install and maintain a(n) non-resettable totalizing fuel flow meter to accurately indicate the fuel usage in the equipment.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

[RULE 2005, 5-6-2005; RULE 2005, 6-3-2011]

[Devices subject to this condition : D119]

C1.4 The operator shall limit the fuel usage to no more than 2.05714e+06 cubic feet per month.

To comply with this condition, the operator shall install and maintain a(n) non-resettable totalizing fuel flow meter to accurately indicate the fuel usage in the equipment.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

[RULE 2005, 5-6-2005; RULE 2005, 6-3-2011]

[Devices subject to this condition : D39, D40, D55, D62, D63, D64, D65, D66, D97, D99, D100, D103, D104, D107, D115, D116, D117, D118, D129, D130, D142, D148, D150, D152, D154, D156, D158]

C1.5 The operator shall limit the fuel usage to no more than 1.2e+06 cubic feet per month.



## FACILITY PERMIT TO OPERATE CARLTON FORGE WORKS

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

To comply with this condition, the operator shall install and maintain a(n) non-resettable totalizing fuel flow meter to accurately indicate the fuel usage in the equipment.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

**[RULE 2005, 5-6-2005; RULE 2005, 6-3-2011]**

[Devices subject to this condition : D128]

- C1.6 The operator shall limit the fuel usage to no more than 8.6 MM cubic feet in any one calendar month.

For the purpose of this condition, fuel usage shall be defined as natural gas usage.

To comply with this condition, the operator shall install and maintain a(n) non-resettable totalizing fuel flow meter to accurately indicate the fuel usage in the equipment.

The fuel flow meter must read gaseous fuels in standar cubic feet. Standard temperature is 68 Deg F and standard pressure is 1 atmosphere. In lieu of a self-correcting meter, SCAQMD allows manual corrections of meter readings based on contemporaneous readings from pressure and/or temperature gauges installed at fuel flow meters that are not corrected for standard temperature and/or pressure. All emission calculations must be based on fuel usage at standard conditions of 68 Deg F and 1 atmosphere.

This limit shall be based on the total combined limit for equipment D53, D109 and D119.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.



## FACILITY PERMIT TO OPERATE CARLTON FORGE WORKS

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

[RULE 2005, 6-3-2011]

[Devices subject to this condition : D109]

C1.7 The operator shall limit the throughput to no more than 1 lb(s) in any one day.

For the purpose of this condition, throughput shall be defined as Titanium Oxide.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

[RULE 2005, 5-6-2005; RULE 2005, 6-3-2011]

[Devices subject to this condition : D162]

C1.9 The operator shall limit the fuel usage to no more than 4.6 MM cubic feet in any one calendar month.



## FACILITY PERMIT TO OPERATE CARLTON FORGE WORKS

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

For the purpose of this condition, fuel usage shall be defined as natural gas.

To comply with this condition, the operator shall install and maintain a(n) non-resettable totalizing fuel flow meter to accurately indicate the fuel usage in the equipment.

The fuel flow meter must read gaseous fuels in standard cubic feet. Standard temperature is 68 Deg F and standard pressure is 1 atmosphere. In lieu of a self-correcting meter, SCAQMD allows manual corrections of meter readings based on contemporaneous readings from pressure and/or temperature gauges installed at fuel flow meters that are not corrected for standard temperature and/or pressure. All emission calculations must be based on fuel usage at standard conditions of 68 Deg F and 1 atmosphere.

This limit shall be based on the total combined limit for equipment D182 and D188.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

[RULE 2005, 6-3-2011]

[Devices subject to this condition : D182, D188]

C6.1 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 2150 Deg F.

To comply with this condition, the operator shall install and maintain a(n) temperature reading device to accurately indicate the temperature in the equipment.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

[RULE 2005, 5-6-2005; RULE 2005, 6-3-2011]



## FACILITY PERMIT TO OPERATE CARLTON FORGE WORKS

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

[Devices subject to this condition : D39, D40, D55, D62, D63, D64, D65, D66, D97, D99, D100, D103, D104, D107, D115, D116, D117, D118, D119, D128, D129, D130, D142, D144, D146, D148, D150, D152, D154, D156, D158, D160, D164, D166, D170, D172, D174, D176, D178, D180, D182, D184, D186, D188, D190, D192]

C6.2 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 900 Deg F.

To comply with this condition, the operator shall install and maintain a(n) temperature reading device to accurately indicate the temperature in the equipment.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

[RULE 2005, 5-6-2005; RULE 2005, 6-3-2011]

[Devices subject to this condition : D109]

#### D. Monitoring/Testing Requirements

D12.1 The operator shall install and maintain a(n) flow meter to accurately indicate the fuel usage in the furnace.

[RULE 2005, 5-6-2005; RULE 2005, 6-3-2011]

[Devices subject to this condition : D4, D6, D20, D27, D28, D29, D53]

D28.4 The operator shall conduct source test(s) in accordance with the following specifications:



## FACILITY PERMIT TO OPERATE CARLTON FORGE WORKS

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

The test shall be conducted to determine the NOx emissions at the outlet.

The test shall be conducted every five period, with the first five year period ending June 30, 2005.

The test shall be conducted within 12 months of the approval of the concentration limit.

**[RULE 2005, 6-3-2011; RULE 2012, 5-6-2005]**

[Devices subject to this condition : D3, D39, D40, D55, D62, D63, D64, D65, D66, D97, D99, D100, D103, D104, D107, D109, D115, D116, D117, D118, D128, D129, D130, D142, D144, D146, D148, D150, D152, D154, D156, D158, D160, D164, D166, D170, D172, D174, D176, D178, D180, D182, D184, D186, D188, D190, D192]

D29.2 The operator shall conduct source test(s) for the pollutant(s) identified below.

Pollutant(s) to be tested	Required Test Method(s)	Averaging Time	Test Location
NOX emissions	Approved District method	15 minutes	Outlet
CO emissions	Approved District method	15 minutes	Outlet



## FACILITY PERMIT TO OPERATE CARLTON FORGE WORKS

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

In addition to the source test requirements of Section E of this facility permit, the facility permit holder shall submit the protocol to the AQMD no later than 45 days prior to the proposed test date, and notify the District of the date and time of the test at least 10 days prior to the test.

The test(s) shall be conducted within 60 days after achieving maximum production rate, but no later than 180 days after initial start-up.

The test shall be conducted to demonstrate compliance with the BACT limit of 50 ppmv at 3 percent oxygen for NOx.

Notwithstanding the requirements of Section E conditions, the source test results shall be submitted to the District no later than 30 days after the source test was conducted.

Mail completed source test report to SCAQMD, P.O. Box 4941, Diamond Bar, CA 91765.

**[RULE 2005, 6-3-2011]**

[Devices subject to this condition : D190, D192]

D322.1 The operator shall perform annual inspection of the equipment and filter media for leaks, broken or torn filter media, and improperly installed filter media.

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : C163]



## FACILITY PERMIT TO OPERATE CARLTON FORGE WORKS

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

D323.1 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on a semi-annual basis, at least, unless the equipment did not operate during the entire semi-annual period. The routine semi-annual inspection shall be conducted while the equipment is in operation and during daylight hours.

If any visible emissions (not including condensed water vapor) are detected that last more than three minutes in any one hour, the operator shall verify and certify within 24 hours that the equipment causing the emission and any associated air pollution control equipment are operating normally according to their design and standard procedures and under the same conditions under which compliance was achieved in the past, and either:

- 1). Take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit; or
- 2). Have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", within three business days and report any deviations to AQMD.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions;
- 3). Date and time visible emission was abated; and
- 4). All visible emission observation records by operator or a certified smoke reader.



## FACILITY PERMIT TO OPERATE CARLTON FORGE WORKS

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : D3, D4, D6, D8, D9, D12, D16, D17, D18, D19, D20, D21, D23, D27, D28, D29, D36, D39, D40, D53, D55, D62, D63, D64, D65, D66, D97, D99, D100, D103, D104, D107, D109, D115, D116, D117, D118, D119, D130, D142, D144, D146, D148, D150, D152, D154, D156, D158, D160, D164, D166, D170, D172, D174, D176, D178, D180, D182, D184, D186, D188, D190, D192]

- D381.1 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on a quarterly basis, at least, unless the equipment did not operate during the entire quarterly period. The routine quarterly inspection shall be conducted while the equipment is in operation and during daylight hours. If any visible emissions (not including condensed water vapor) are detected, the operator shall take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions; and
- 3). Date and time visible emission was abated.

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : C24, C25, C163]



## FACILITY PERMIT TO OPERATE CARLTON FORGE WORKS

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

#### E. Equipment Operation/Construction Requirements

E71.1 The operator shall not conduct metal melting operations in this equipment during use.

[RULE 2005, 6-3-2011]

[Devices subject to this condition : D3, D4, D6, D8, D9, D12, D16, D17, D18, D19, D20, D27, D28, D29, D39, D40, D53, D55, D62, D63, D64, D65, D66, D97, D99, D100, D103, D104, D107, D109, D115, D116, D117, D118, D119, D128, D129, D130, D142, D144, D146, D148, D150, D152, D154, D156, D158, D160, D164, D166, D170, D172, D174, D176, D178, D180, D182, D184, D186, D188, D190, D192]

E102.1 The operator shall discharge dust collected in this equipment only into closed containers.

[RULE 2005, 5-6-2005; RULE 2005, 6-3-2011]

[Devices subject to this condition : C163]

E147.1 The operator shall not conduct fluxing in this equipment.

[RULE 2005, 6-3-2011; RULE 401, 3-2-1984; RULE 401, 11-9-2001]



## FACILITY PERMIT TO OPERATE CARLTON FORGE WORKS

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

[Devices subject to this condition : D3, D4, D6, D8, D9, D12, D16, D17, D18, D19, D20, D27, D28, D29, D39, D40, D53, D55, D62, D63, D64, D65, D66, D97, D99, D100, D103, D104, D107, D109, D115, D116, D117, D118, D119, D128, D129, D130, D142, D144, D146, D148, D150, D152, D154, D156, D158, D160, D164, D166, D170, D172, D174, D176, D178, D180, D182, D184, D186, D188, D190, D192]

E147.2 The operator shall not conduct refining in this equipment.

[RULE 2005, 6-3-2011; RULE 401, 3-2-1984; RULE 401, 11-9-2001]

[Devices subject to this condition : D3, D4, D6, D8, D9, D12, D16, D17, D18, D19, D20, D27, D28, D29, D39, D40, D53, D55, D62, D63, D64, D65, D66, D97, D99, D100, D103, D104, D107, D109, D115, D116, D117, D118, D119, D128, D129, D130, D142, D144, D146, D148, D150, D152, D154, D156, D158, D160, D164, D166, D170, D172, D174, D176, D178, D180, D182, D184, D186, D188, D190, D192]

E175.1 The operator shall not use this equipment unless all exhaust air passes through the following:

filter media at least 2 inches thick

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : D162]

E202.1 The operator shall clean and maintain this equipment according to the following specifications:



**FACILITY PERMIT TO OPERATE  
CARLTON FORGE WORKS**

**SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

**The operator shall comply with the terms and conditions set forth below:**

cleaning shall be done quarterly, at the minimum

cleaning shall be done in accordance with manufacturer specifications

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : C24, C25]

**H. Applicable Rules**

H23.2 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1107

**[RULE 1107, 11-9-2001; RULE 1107, 1-6-2006]**

[Devices subject to this condition : D162]

**I. Administrative**



## FACILITY PERMIT TO OPERATE CARLTON FORGE WORKS

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

1298.2 This equipment shall not be operated unless the facility holds 1766 pounds of NOx RTCs in its allocation account to offset the annual emissions increase for the first year of operation. The RTCs held to satisfy the first year of operation portion of this condition may be transferred only after one year from the initial start of operation. In addition, this equipment shall not be operated unless the operator demonstrates to the Executive Officer that, at the commencement of each compliance year after the start of operation, the facility holds 1766 pounds of NOx RTCs valid during that compliance year. RTCs held to satisfy the compliance year portion of this condition may be transferred only after the compliance year for which the RTCs are held. If the initial or annual hold amount is partially satisfied by holding RTCs that expire midway through the hold period, those RTCs may be transferred upon their respective expiration dates. This hold amount is in addition to any other amount of RTCs required to be held under other condition(s) stated in this permit.

[RULE 2005, 6-3-2011]

[Devices subject to this condition : D188]

1298.3 This equipment shall not be operated unless the facility holds 1053 pounds of NOx RTCs in its allocation account to offset the annual emissions increase for the first year of operation. The RTCs held to satisfy the first year of operation portion of this condition may be transferred only after one year from the initial start of operation. In addition, this equipment shall not be operated unless the operator demonstrates to the Executive Officer that, at the commencement of each compliance year after the start of operation, the facility holds 1053 pounds of NOx RTCs valid during that compliance year. RTCs held to satisfy the compliance year portion of this condition may be transferred only after the compliance year for which the RTCs are held. If the initial or annual hold amount is partially satisfied by holding RTCs that expire midway through the hold period, those RTCs may be transferred upon their respective expiration dates. This hold amount is in addition to any other amount of RTCs required to be held under other condition(s) stated in this permit.



## FACILITY PERMIT TO OPERATE CARLTON FORGE WORKS

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

[RULE 2005, 6-3-2011]

[Devices subject to this condition : D190]

- 1298.4 This equipment shall not be operated unless the facility holds 1053 pounds of NOx RTCs in its allocation account to offset the annual emissions increase for the first year of operation. The RTCs held to satisfy the first year of operation portion of this condition may be transferred only after one year from the initial start of operation. In addition, this equipment shall not be operated unless the operator demonstrates to the Executive Officer that, at the commencement of each compliance year after the start of operation, the facility holds 1053 pounds of NOx RTCs valid during that compliance year. RTCs held to satisfy the compliance year portion of this condition may be transferred only after the compliance year for which the RTCs are held. If the initial or annual hold amount is partially satisfied by holding RTCs that expire midway through the hold period, those RTCs may be transferred upon their respective expiration dates. This hold amount is in addition to any other amount of RTCs required to be held under other condition(s) stated in this permit.

[RULE 2005, 6-3-2011]

[Devices subject to this condition : D192]



## FACILITY PERMIT TO OPERATE CARLTON FORGE WORKS

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

I298.6 This equipment shall not be operated unless the facility holds 724 pounds of NO<sub>x</sub> RTCs in its allocation account to offset the annual emissions increase for the first year of operation. The RTCs held to satisfy the first year of operation portion of this condition may be transferred only after one year from the initial start of operation. In addition, this equipment shall not be operated unless the operator demonstrates to the Executive Officer that, at the commencement of each compliance year after the start of operation, the facility holds 724 pounds of NO<sub>x</sub> RTCs valid during that compliance year. RTCs held to satisfy the compliance year portion of this condition may be transferred only after the compliance year for which the RTCs are held. If the initial or annual hold amount is partially satisfied by holding RTCs that expire midway through the hold period, those RTCs may be transferred upon their respective expiration dates. This hold amount is in addition to any other amount of RTCs required to be held under other condition(s) stated in this permit.

[RULE 2005, 6-3-2011]

[Devices subject to this condition : D109]

I298.8 This equipment shall not be operated unless the facility holds 713 pounds of NO<sub>x</sub> RTCs in its allocation account to offset the annual emissions increase for the first year of operation. The RTCs held to satisfy the first year of operation portion of this condition may be transferred only after one year from the initial start of operation. In addition, this equipment shall not be operated unless the operator demonstrates to the Executive Officer that, at the commencement of each compliance year after the start of operation, the facility holds 713 pounds of NO<sub>x</sub> RTCs valid during that compliance year. RTCs held to satisfy the compliance year portion of this condition may be transferred only after the compliance year for which the RTCs are held. If the initial or annual hold amount is partially satisfied by holding RTCs that expire midway through the hold period, those RTCs may be transferred upon their respective expiration dates. This hold amount is in addition to any other amount of RTCs required to be held under other condition(s) stated in this permit.



## FACILITY PERMIT TO OPERATE CARLTON FORGE WORKS

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

[RULE 2005, 6-3-2011]

[Devices subject to this condition : D182]

#### K. Record Keeping/Reporting

K67.1 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

- a. The name of the person performing the inspection and/or maintenance of the filter media
- b. The date, time and results of the inspection; and
- c. The date, time and description of any maintenance or repairs

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : C163]

K67.2 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

For architectural applications where no thinners, reducers, or other VOC containing materials are added, maintain semi-annual records for all coating consisting of (a) coating type, (b) VOC content as supplied in grams per liter (g/l) of materials for low-solids coatings, (c) VOC content as supplied in g/l of coating, less water and exempt solvent, for other coatings.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : E135]



## FACILITY PERMIT TO OPERATE CARLTON FORGE WORKS

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

K171.2 The operator shall provide to the District the following items:

A written notification within 10 days of the initial start-up date of the equipment.

[RULE 204, 10-8-1993]

[Devices subject to this condition : D190, D192]



## FACILITY PERMIT TO OPERATE CARLTON FORGE WORKS

### SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 1: FORGING</b>					
FURNACE, FORGE, AL-4, NATURAL GAS, WITH LOW NOX BURNER, 5 MMBTU/HR WITH A/N: 560283 Permit to Construct Issued: 05/27/14  BURNER, NATURAL GAS, ECLIPSE WINNOX, MODEL 500, WITH LOW NOX BURNER, 5 MMBTU/HR	D53		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 50 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; NOX: 50 PPMV NATURAL GAS (4) [RULE 2005, 6-3-2011]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	B59.1, C1.6, C6.2, D28.4, D29.2, D323.1, E71.1, E147.1, E147.2, K171.3
FURNACE, FORGE, NO. AL-6, NATURAL GAS, WITH LOW NOX BURNER, 5 MMBTU/HR WITH A/N: 560285 Permit to Construct Issued: 05/27/14  BURNER, NATURAL GAS, ECLIPSE WINNOX, MODEL 500, WITH LOW NOX BURNER, 1 TOTAL; 5 MMBTU/HR	D119		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 50 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; NOX: 50 PPMV NATURAL GAS (4) [RULE 2005, 6-3-2011]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	B59.1, C1.6, C6.2, D28.4, D29.2, D323.1, E71.1, E147.1, E147.2, I298.7, K171.3

- \* (1) (1A) (1B) Denotes RECLAIM emission factor
- (3) Denotes RECLAIM concentration limit
- (5) (5A) (5B) Denotes command and control emission limit
- (7) Denotes NSR applicability limit
- (9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
- (4) Denotes BACT emission limit
- (6) Denotes air toxic control rule limit
- (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
- (10) See section J for NESHAP/MACT requirements

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



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**FACILITY PERMIT TO OPERATE  
CARLTON FORGE WORKS**

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**SECTION H: DEVICE ID INDEX**

**The following sub-section provides an index  
to the devices that make up the facility  
description sorted by device ID.**



**FACILITY PERMIT TO OPERATE  
CARLTON FORGE WORKS**

**SECTION H: DEVICE ID INDEX**

Device Index For Section H			
Device ID	Section H Page No.	Process	System
D53	1	1	0
D119	1	1	0



## FACILITY PERMIT TO OPERATE CARLTON FORGE WORKS

### SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

#### FACILITY CONDITIONS

F1.1 The operator shall limit the natural gas fuel usage to no more than 977.0667 MM cubic feet per year.

For the purpose of this condition, the natural gas fuel limit shall be defined as natural gas used in Permitted Equipment.

The operator shall maintain records in a manner approved by the District to demonstrate compliance with this condition.

[RULE 1304(d)- Facility Exemption, 6-14-1996]

#### DEVICE CONDITIONS

##### B. Material/Fuel Type Limits

B59.1 The operator shall not use the following material(s) in this device :

Metal contaminated with rubber, plastics, paper, rags, oil, grease, or similar smoke-producing material

[RULE 2005, 6-3-2011; RULE 401, 3-2-1984; RULE 401, 11-9-2001]

[Devices subject to this condition : D53, D119]

##### C. Throughput or Operating Parameter Limits

C1.6 The operator shall limit the fuel usage to no more than 8.6 MM cubic feet in any one calendar month.



## FACILITY PERMIT TO OPERATE CARLTON FORGE WORKS

### SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

**The operator shall comply with the terms and conditions set forth below:**

For the purpose of this condition, fuel usage shall be defined as natural gas usage.

To comply with this condition, the operator shall install and maintain a(n) non-resettable totalizing fuel flow meter to accurately indicate the fuel usage in the equipment.

The fuel flow meter must read gaseous fuels in standar cubic feet. Standard temperature is 68 Deg F and standard pressure is 1 atmosphere. In lieu of a self-correcting meter, SCAQMD allows manual corrections of meter readings based on contemporaneous readings from pressure and/or temperature gauges installed at fuel flow meters that are not corrected for standard temperature and/or pressure. All emission calculations must be based on fuel usage at standard conditions of 68 Deg F and 1 atmosphere.

This limit shall be based on the total combined limit for equipment D53, D109 and D119.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

**[RULE 2005, 6-3-2011]**

[Devices subject to this condition : D53, D119]

C6.2 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 900 Deg F.

To comply with this condition, the operator shall install and maintain a(n) temperature reading device to accurately indicate the temperature in the equipment.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

**[RULE 2005, 5-6-2005; RULE 2005, 6-3-2011]**

[Devices subject to this condition : D53, D119]



## FACILITY PERMIT TO OPERATE CARLTON FORGE WORKS

### SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

#### D. Monitoring/Testing Requirements

D28.4 The operator shall conduct source test(s) in accordance with the following specifications:

The test shall be conducted to determine the NOx emissions at the outlet.

The test shall be conducted every five period, with the first five year period ending June 30, 2005.

The test shall be conducted within 12 months of the approval of the concentration limit.

[RULE 2005, 6-3-2011; RULE 2012, 5-6-2005]

[Devices subject to this condition : D53, D119]

D29.2 The operator shall conduct source test(s) for the pollutant(s) identified below.

Pollutant(s) to be tested	Required Test Method(s)	Averaging Time	Test Location
NOX emissions	Approved District method	15 minutes	Outlet
CO emissions	Approved District method	15 minutes	Outlet



## FACILITY PERMIT TO OPERATE CARLTON FORGE WORKS

### SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

**The operator shall comply with the terms and conditions set forth below:**

In addition to the source test requirements of Section E of this facility permit, the facility permit holder shall submit the protocol to the AQMD no later than 45 days prior to the proposed test date, and notify the District of the date and time of the test at least 10 days prior to the test.

The test(s) shall be conducted within 60 days after achieving maximum production rate, but no later than 180 days after initial start-up.

The test shall be conducted to demonstrate compliance with the BACT limit of 50 ppmv at 3 percent oxygen for NOx.

Notwithstanding the requirements of Section E conditions, the source test results shall be submitted to the District no later than 30 days after the source test was conducted.

Mail completed source test report to SCAQMD, P.O. Box 4941, Diamond Bar, CA 91765.

[RULE 2005, 6-3-2011]

[Devices subject to this condition : D53, D119]



## FACILITY PERMIT TO OPERATE CARLTON FORGE WORKS

### SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

**The operator shall comply with the terms and conditions set forth below:**

D323.1 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on a semi-annual basis, at least, unless the equipment did not operate during the entire semi-annual period. The routine semi-annual inspection shall be conducted while the equipment is in operation and during daylight hours.

If any visible emissions (not including condensed water vapor) are detected that last more than three minutes in any one hour, the operator shall verify and certify within 24 hours that the equipment causing the emission and any associated air pollution control equipment are operating normally according to their design and standard procedures and under the same conditions under which compliance was achieved in the past, and either:

- 1). Take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit; or
- 2). Have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", within three business days and report any deviations to AQMD.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions;
- 3). Date and time visible emission was abated; and
- 4). All visible emission observation records by operator or a certified smoke reader.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]



## FACILITY PERMIT TO OPERATE CARLTON FORGE WORKS

### SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

[Devices subject to this condition : D53, D119]

#### E. Equipment Operation/Construction Requirements

E71.1 The operator shall not conduct metal melting operations in this equipment during use.

[RULE 2005, 6-3-2011]

[Devices subject to this condition : D53, D119]

E147.1 The operator shall not conduct fluxing in this equipment.

[RULE 2005, 6-3-2011; RULE 401, 3-2-1984; RULE 401, 11-9-2001]

[Devices subject to this condition : D53, D119]

E147.2 The operator shall not conduct refining in this equipment.

[RULE 2005, 6-3-2011; RULE 401, 3-2-1984; RULE 401, 11-9-2001]

[Devices subject to this condition : D53, D119]

#### I. Administrative



## FACILITY PERMIT TO OPERATE CARLTON FORGE WORKS

### SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

**The operator shall comply with the terms and conditions set forth below:**

I298.7 This equipment shall not be operated unless the facility holds 381 pounds of NO<sub>x</sub> RTCs in its allocation account to offset the annual emissions increase for the first year of operation. The RTCs held to satisfy the first year of operation portion of this condition may be transferred only after one year from the initial start of operation. In addition, this equipment shall not be operated unless the operator demonstrates to the Executive Officer that, at the commencement of each compliance year after the start of operation, the facility holds 381 pounds of NO<sub>x</sub> RTCs valid during that compliance year. RTCs held to satisfy the compliance year portion of this condition may be transferred only after the compliance year for which the RTCs are held. If the initial or annual hold amount is partially satisfied by holding RTCs that expire midway through the hold period, those RTCs may be transferred upon their respective expiration dates. This hold amount is in addition to any other amount of RTCs required to be held under other condition(s) stated in this permit.

[RULE 2005, 6-3-2011]

[Devices subject to this condition : D119]

#### **K. Record Keeping/Reporting**

K171.3 The operator shall provide to the District the following items:

A written notification within 15 days of the initial start-up date of the equipment.

[RULE 204, 10-8-1993]

[Devices subject to this condition : D53, D119]