



South Coast Air Quality Management District

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

September 5, 2013

Aaron Johnson
General Manager
Schlosser Forge Company
11711 Arrow Route
Rancho Cucamonga, CA 91730

Dear Mr. Johnson:

SUBJECT: RECLAIM/Title V Facility Permit Revision (Facility ID: 015504)

Please find the attached revised Title Page, Table of Contents, and Section D of your RECLAIM/Title V Facility Permit. The revised sections reflect the approval of the permit revision requested in your Application No. 548577. The proposed permit revision was submitted to EPA for 45-day review on July 10, 2013. This permit revision includes the addition of a particulate emissions cap and the addition of the following equipment:

Equipment	Appl. No.	Device No.	Process	Permit Type
PM10 emissions cap	550891, 550892, 550894-550905, 550907	D33, D138 D108, D110- D121	2,7	PO
Three metal heating furnaces	548578-548580	D148, D149, D150	1	PO

Please review the attached sections carefully. Insert the enclosed sections into your RECLAIM/Title V Facility Permit and discard the earlier version. Questions concerning changes to your permit should be directed to Mr. Michael Solis at (909) 396-3277.

Sincerely,

Mohan Balagopalan
Senior Engineering Manager
Chemical, Mechanical, and Ports Permitting

MB:ms
Attachment

cc: Gerardo Rios, EPA Region IX



FACILITY PERMIT TO OPERATE

**SCHLOSSER FORGE COMPANY
11711 ARROW ROUTE
RANCHO CUCAMONGA, CA 91730**

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 SCHLOSSER FORGE COMPANY

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FACILITY PERMIT TO OPERATE SCHLOSSER FORGE COMPANY

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
Process 1: FORGING/HEAT TREATING					
FURNACE, F1501-1502, NATURAL GAS, WITH RECUPERATOR, 6 MMBTU/HR A/N: 304360	D3		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 213 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]	D323.1, E448.2
FURNACE, FORGE, F4002, NATURAL GAS, WITH RECUPERATOR, 3 MMBTU/HR A/N: 175076	D4		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 213 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, E448.2
FURNACE, FORGE, F1001, NATURAL GAS, 6.6 MMBTU/HR A/N: 175068	D5		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, E448.2
FURNACE, FORGE, F-751, NATURAL GAS, WITH RECUPERATOR, 3 MMBTU/HR A/N: 175072	D6		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 213 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, E448.2

* (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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Process 1: FORGING/HEAT TREATING					
FURNACE, FORGE, F4050, NATURAL GAS, WITH RECUPERATOR, 3 MMBTU/HR A/N: 175077	D7		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 213 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, E448.2
FURNACE, FORGE, F1003, NATURAL GAS, WITH RECUPERATOR, 3 MMBTU/HR A/N: 175069	D8		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 213 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, E448.2
FURNACE, FORGE, F1203, NATURAL GAS, 4 MMBTU/HR A/N: 229251	D9		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 213 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, E448.2
FURNACE, FORGE, F757, NATURAL GAS, WITH RECUPERATOR, 3 MMBTU/HR A/N: 175063	D10		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 213 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, E448.2

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Process I: FORGING/HEAT TREATING					
FURNACE, FORGE, F452, NATURAL GAS, WITH RECUPERATOR, 3 MMBTU/HR A/N: 175058	D12		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 213 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, E448.2
FURNACE, FORGE, F803, NATURAL GAS, WITH RECUPERATOR, 6 MMBTU/HR A/N: 175066	D13		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 213 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, E448.2
FURNACE, FORGE, F804, NATURAL GAS, WITH RECUPERATOR, 4 MMBTU/HR A/N: 175067	D14		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 213 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, E448.2
FURNACE, FORGE, F453, NATURAL GAS, WITH RECUPERATOR, 3 MMBTU/HR A/N: 175059	D15		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 213 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, E448.2

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(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
(2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
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(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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Process I: FORGING/HEAT TREATING					
FURNACE, FORGE, F454, NATURAL GAS, WITH RECUPERATOR, 3 MMBTU/HR A/N: 175060	D17		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 213 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, E448.2
FURNACE, FORGE, F1202, NATURAL GAS, WITH RECUPERATOR, 3 MMBTU/HR A/N: 175073	D18		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 213 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, E448.2
FURNACE, HEAT TREATING, HT-03, NATURAL GAS, 2.3 MMBTU/HR A/N: 175080	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, E448.2
FURNACE, FORGE, F802, NATURAL GAS, WITH RECUPERATOR, 3 MMBTU A/N: 175065	D21		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 213 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, E448.2

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Process 1: FORGING/HEAT TREATING					
FURNACE, FORGE, F1503, NATURAL GAS, WITH RECUPERATOR, 6 MMBTU/HR A/N: 175074	D22		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 213 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, E448.2
FURNACE, HEAT TREATING, HT-02, NATURAL GAS, 3.8 MMBTU/HR A/N: 175079	D23		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, E448.2
FURNACE, HEAT TREATING, HT-01, NATURAL GAS, 3.4 MMBTU/HR A/N: 175078	D24		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, E448.2
FURNACE, FORGE, F1002, NATURAL GAS, 6.6 MMBTU/HR A/N: 175070	D26		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, E448.2

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Process 1: FORGING/HEAT TREATING					
FURNACE, FORGE, F756, NATURAL GAS, WITH RECUPERATOR, 3 MMBTU/HR A/N: 175062	D27		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 213 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, E448.2
FURNACE, FORGE, F801, NATURAL GAS, WITH RECUPERATOR, 3 MMBTU/HR A/N: 175064	D28		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 213 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, E448.2
FURNACE, FORGE, F1201, NATURAL GAS, WITH RECUPERATOR, 3 MMBTU/HR A/N: 175071	D29		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 213 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, E448.2
FURNACE, FORGE, F4001, NATURAL GAS, WITH RECUPERATOR, 3 MMBTU/HR A/N: 175075	D30		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 213 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, E448.2

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Process 1: FORGING/HEAT TREATING					
FURNACE, FORGE, F-4003, NATURAL GAS, WITH RECUPERATOR, 3 MMBTU/HR A/N: 229252	D31		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 213 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, E448.2
FURNACE, FORGE, F-4005, NATURAL GAS, WITH RECUPERATOR, WITH LOW NOX BURNER, 4 MMBTU/HR WITH A/N: 306321 BURNER, 2, EACH, NATURAL GAS, HAUCK, MODEL STAR, WITH FLUE GAS RECIRCULATION, 2 MMBTU/HR	D57		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 0.038 LBS/MMBTU 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]	A63.2, B59.1, D12.1, E147.1, E448.2

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Process 1: FORGING/HEAT TREATING					
FURNACE, FORGE, F-4006, NATURAL GAS, WITH FLUE GAS RECIRCULATION AND A RECUPERATOR, 3 MMBTU/HR WITH A/N: 504092 BURNER, NATURAL GAS, MAXON, MODEL KINEDIZER LE, WITH LOW NOX BURNER, 2 TOTAL; 1.5 MMBTU/HR	D58		NOX: PROCESS UNIT**	CO: 2000 PPMV (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]	A63.5, B59.1, D12.1, D28.1, E448.2, K40.1
FURNACE, FORGE, F-4004, NATURAL GAS, 3 MMBTU/HR A/N: 258588	D63		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, E448.2

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1: FORGING/HEAT TREATING					
FURNACE, FORGE, F-752, NATURAL GAS, WITH RECUPERATOR, WITH LOW NOX BURNER, 4 MMBTU/HR WITH A/N: 360928 BURNER, 2, EACH, NATURAL GAS, HAUCK, MODEL STAR, WITH FLUE GAS RECIRCULATION, 2 MMBTU/HR	D64		NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 50 PPMV NATURAL GAS (4) [RULE 2005, 5-6-2005]; NOX: 50 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	A63.4, B59.1, D12.1, D28.1, E147.1, E448.2, K40.1
FURNACE, FORGE, F-4008, NATURAL GAS, WITH RECUPERATOR, WITH LOW NOX BURNER, 4 MMBTU/HR WITH A/N: 360931 BURNER, 2, EACH, NATURAL GAS, HAUCK, MODEL STAR, WITH FLUE GAS RECIRCULATION, 2 MMBTU/HR	D67		NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 50 PPMV NATURAL GAS (4) [RULE 2005, 5-6-2005]; NOX: 50 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	A63.4, B59.1, D12.1, D28.1, E147.1, E448.2, K40.1

* (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

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FACILITY PERMIT TO OPERATE SCHLOSSER FORGE COMPANY

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
Process 1: FORGING/HEAT TREATING					
FURNACE, FORGE, F753, NATURAL GAS, WITH RECUPERATOR, WITH LOW NOX BURNER, 4 MMBTU/HR WITH A/N: 355355 BURNER, 2, EACH, NATURAL GAS, HAUCK, MODEL STAR, WITH FLUE GAS RECIRCULATION, 2 MMBTU/HR	D68		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, 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, D28.1, E147.1, E448.2, K40.1
FURNACE, HEAT TREATING, F-4007, NATURAL GAS, WITH RECUPERATOR, WITH LOW NOX BURNER, 4 MMBTU/HR WITH A/N: 360930 BURNER, 2, EACH, NATURAL GAS, HAUCK MFG., MODEL STAR, WITH FLUE GAS RECIRCULATION, 2 MMBTU/HR	D71		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, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	A63.2, B59.1, D12.1, D28.1, E147.1, E448.2, K40.1

* (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

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1: FORGING/HEAT TREATING					
FURNACE, FORGE, F-3001, NATURAL GAS, WITH RECUPERATOR, WITH LOW NOX BURNER, 4 MMBTU/HR WITH A/N: 546413 BURNER, NATURAL GAS, HAUCK, MODEL STAR, WITH FLUE GAS RECIRCULATION, 2 TOTAL; 2 MMBTU/HR	D73		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, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 404, 2-7-1986]	A63.4, B59.1, D12.1, D28.1, D323.1, E147.1, E448.2, K40.1
FURNACE, FORGE, F-3002, NATURAL GAS, WITH RECUPERATOR, WITH LOW NOX BURNER, 4 MMBTU/HR WITH A/N: 546414 BURNER, NATURAL GAS, HAUCK, MODEL STAR, WITH FLUE GAS RECIRCULATION, 2 TOTAL; 2 MMBTU/HR	D74		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, 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, D28.1, D323.1, E147.1, E448.2, K40.1

- * (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

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: FORGING/HEAT TREATING					
FURNACE, FORGE, F-3004, NATURAL GAS, RECUPERATOR, WITH LOW NOX BURNER, FLUE GAS RECIRCULATION, 4 MMBTU/HR WITH A/N: 372364 BURNER, NATURAL GAS, HAUCK MANUFACTURING COMPANY, MODEL STAR, WITH FLUE GAS RECIRCULATION, 2 TOTAL; 2 MMBTU/HR	D94		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, D12.1, D28.1, D323.1, E147.1, E448.2, K40.1
FURNACE, FORGE, F-3003, NATURAL GAS, RECUPERATOR, WITH LOW NOX BURNER, FLUE GAS RECIRCULATION, 4 MMBTU/HR WITH A/N: 372365 BURNER, NATURAL GAS, HAUCK MANUFACTURING COMPANY, MODEL STAR, WITH FLUE GAS RECIRCULATION, 2 TOTAL; 2 MMBTU/HR	D96		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, D12.1, D28.1, D323.1, E147.1, E448.2, K40.1

* (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

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1: FORGING/HEAT TREATING					
FURNACE, FORGE, NO. F-1504, NATURAL GAS, WITH LOW NOX BURNER, FLUE GAS RECIRCULATION, 4 MMBTU/HR WITH A/N: 380663 BURNER, NATURAL GAS, HAUCK, MODEL STAR, WITH FLUE GAS RECIRCULATION, 2 TOTAL; 2 MMBTU/HR	D98		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, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	A63.4, B59.1, D28.1, D323.1, E147.1, E448.2, K40.1
FURNACE, FORGE, F4010, NATURAL GAS, WITH LOW NOX BURNER, 6 MMBTU/HR WITH A/N: 443830 BURNER, 2, EACH, NATURAL GAS, ECLIPSE, MODEL TJ 0300, 3 MMBTU/HR	D122		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, 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, D12.1, D28.3, E448.2

* (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
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FACILITY PERMIT TO OPERATE SCHLOSSER FORGE COMPANY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1: FORGING/HEAT TREATING					
FURNACE, FORGE, F4011, NATURAL GAS, WITH LOW NOX BURNER, 6 MMBTU/HR WITH A/N: 443831 BURNER, 2, EACH, NATURAL GAS, ECLIPSE, MODEL TJ 0300, 3 MMBTU/HR	D124		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, 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, D12.1, D28.3, E448.2
FURNACE, FORGE, F4012, NATURAL GAS, WITH LOW NOX BURNER, 6 MMBTU/HR WITH A/N: 443832 BURNER, 2, EACH, NATURAL GAS, ECLIPSE, MODEL TJ 0300, 3 MMBTU/HR	D126		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, 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, D12.1, D28.3, E448.2

* (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
Process 1: FORGING/HEAT TREATING					
FURNACE, FORGE, F3005, NATURAL GAS, WITH LOW NOX BURNER, 6 MMBTU/HR WITH A/N: 463549 BURNER, 2, EACH, NATURAL GAS, ECLIPSE, MODEL TJ 0300, 3 MMBTU/HR	D128		NOX: PROCESS UNIT**	CO: 2000 (5) ; CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 50 PPMV NATURAL GAS (4) [RULE 2005, 5-6-2005]; 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, D12.1, D28.3, E448.2
FURNACE, FORGE, F3006, NATURAL GAS, WITH LOW NOX BURNER, 6 MMBTU/HR WITH A/N: 463550 BURNER, 2, EACH, NATURAL GAS, ECLIPSE, MODEL TJ 0300, 3 MMBTU/HR	D130		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, 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, D12.1, D28.3, E448.2

* (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
Process 1: FORGING/HEAT TREATING					
FURNACE, FORGE, F3007, NATURAL GAS, WITH LOW NOX BURNER, 6 MMBTU/HR WITH A/N: 469507 BURNER, 2, EACH, NATURAL GAS, ECLIPSE, MODEL TJ 0300, 3 MMBTU/HR	D133		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, 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, D12.1, D28.3, E448.2
FURNACE, FORGE, F3008, NATURAL GAS, WITH LOW NOX BURNER, 6 MMBTU/HR WITH A/N: 469509 BURNER, 2, EACH, NATURAL GAS, ECLIPSE, MODEL TJ 0300, 3 MMBTU/HR	D135		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, 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, D12.1, D28.3, E448.2

* (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
Process 1: FORGING/HEAT TREATING					
FURNACE, HEAT TREATING, NATURAL GAS, WITH LOW NOX BURNER, 6 MMBTU/HR WITH A/N: 548578 BURNER, 2, EACH, NATURAL GAS, ECLIPSE, MODEL TJ 0300, 3 MMBTU/HR	D148		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) ; NOX: 50 PPMV NATURAL GAS (3) ; NOX: 50 PPMV NATURAL GAS (4) ; PM: (9) ; PM: 0.1 GRAINS/SCF NATURAL GAS (5)	B59.1, D12.1, D28.5, E448.2
FURNACE, HEAT TREATING, NATURAL GAS, WITH LOW NOX BURNER, 6 MMBTU/HR WITH A/N: 548579 BURNER, 2, EACH, NATURAL GAS, ECLIPSE, MODEL TJ 0300, 3 MMBTU/HR	D149		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) ; NOX: 50 PPMV NATURAL GAS (3) ; NOX: 50 PPMV NATURAL GAS (4) ; PM: (9) ; PM: 0.1 GRAINS/SCF NATURAL GAS (5)	B59.1, D12.1, D28.5, E448.2
FURNACE, HEAT TREATING, NATURAL GAS, WITH LOW NOX BURNER, 6 MMBTU/HR WITH A/N: 548580 BURNER, 2, EACH, NATURAL GAS, ECLIPSE, MODEL TJ 0300, 3 MMBTU/HR	D150		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) ; NOX: 50 PPMV NATURAL GAS (3) ; NOX: 50 PPMV NATURAL GAS (4) ; PM: (9) ; PM: 0.1 GRAINS/SCF NATURAL GAS (5)	B59.1, D12.1, D28.5, E448.2
Process 2: ABRASIVE BLASTING					

* (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
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 2: ABRASIVE BLASTING					
ABRASIVE BLASTING, ROOM, GRIT, WIDTH: 14 FT ; HEIGHT: 12 FT ; LENGTH: 18 FT INACTIVE ABRASIVE BLASTING NOZZLE, GRIT, DIAMETER: .5 IN; 100 PSIG SCREEN, CLASSIFYING BUCKET ELEVATOR	D33	C36		PM: (9) [RULE 1140, 2-1-1980; RULE 1140, 8-2-1985; RULE 405, 2-7-1986]	C1.5, D323.2, E448.3
	D34				
	D35				
BAGHOUSE, MMF, 3110 SQ.FT.; 216 BAGS A/N: 172004	C36	D33		PM: (9) [RULE 404, 2-7-1986]	D322.1, D381.1, E448.1, K67.1
ABRASIVE BLASTING, STEEL SHOT/GRIT, WITH TWO 30-HP WHEELS AND A 3-HP WORK TABLE, WIDTH: 11 FT 4 IN; HEIGHT: 25 FT ; LENGTH: 13 FT 8 IN WITH A/N: INACTIVE BUCKET ELEVATOR DRUM, SCALPING, WITH A SEPARATOR AND ONE 2-HP SCREW CONVEYOR HOPPER, STORAGE, 34.5 CU. FT. CAPACITY	D138	C142		PM: (9) [RULE 1140, 2-1-1980; RULE 1140, 8-2-1985; RULE 405, 2-7-1986]	C1.4, D323.2, E448.4
	D139				
	D140				
	D141				

* (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
Process 2: ABRASIVE BLASTING					
BAGHOUSE, PANGBORN, MODEL PC03-10, PULSE JET CLEANING, 1900 SQ.FT.; 10 CARTRIDGE A/N: 479955	C142	D138		PM: (9) [RULE 404, 2-7-1986]	D12.3, D322.1, D381.1, E448.1, K67.1
Process 4: WASTE WATER PRE-TREATMENT SYSTEM					
SUMP, 600 GALLON A/N: 233478	D41				
STORAGE TANK, WASTE OIL, 1000 GALS A/N: 233478	D42				
TANK, INDUCED AIR FLOTATION, 5000 GALS A/N: 233478	D43				
TANK, REACTOR, 3000 GALS A/N: 233478	D44				
DRUM A/N: 233478	D45				
TANK, FLOCCULATION, 200 GALS A/N: 233478	D46				
CLARIFIER, WIDTH: 6 FT ; HEIGHT: 10 FT ; LENGTH: 9 FT 4 IN A/N: 233478	D47				
STORAGE TANK, SLUDGE THICKENER, 1100 GALS A/N: 233478	D48				
FILTER PRESS, NETZSCH, MODEL 470 A/N: 233478	D49				
TANK, HOLDING, EFFLUENT, HEIGHT: 3 FT 11 IN; DIAMETER: 3 FT 9 IN A/N: 233478	D50				

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| <ul style="list-style-type: none"> * (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 | <ul style="list-style-type: none"> (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 SCHLOSSER FORGE COMPANY

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
Process 4: WASTE WATER PRE-TREATMENT SYSTEM					
TANK, HOLDING, BASIC SOLUTION, 500 GALS; DIAMETER: 3 FT 11 IN; HEIGHT: 5 FT 5 IN A/N: 233478	D51				
SUMP, 50 GALLON, FILTRATE COLLECTION A/N: 233478	D52				
Process 6: Rule 219 Exempt Equipment Subject to Source Specific Rules					
System 1:					
RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, PORTABLE, ARCHITECTURAL COATINGS	E93			VOC: (9) [RULE 1113, 11-8-1996; RULE 1113, 7-13-2007; RULE 1171, 11-7-2003; RULE 1171, 5-1-2009]	K67.2
RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, LOW USE OR EMISSIONS	E147			VOC: (9) [RULE 1107, 11-9-2001; RULE 1107, 1-6-2006; RULE 1151, 12-11-1998; RULE 1151, 12-2-2005; RULE 1171, 11-7-2003; RULE 1171, 5-1-2009]	
Process 7: METAL GRINDING OPERATIONS					
System 1: AIR POLLUTION CONTROL					
BAGHOUSE, NO. 1, MAC EQUIPMENT COMPANY, MODEL 4M2F64, PULSE JET CLEANED, 16256 SQ.FT. A/N: 405055	C100	C102 D108 D110 D111 D112 D113 D114		PM: (9) [RULE 404, 2-7-1986]	D12.3, E448.1, H23.1, K67.1, K67.5
FILTER, NO. 1, HEPA, FLANDERS, MODEL SLB-P-30-H-60W A/N: 405055	C102	C100			C10.1, D381.1, E448.1, H23.1, K67.1

* (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 SCHLOSSER FORGE COMPANY

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
Process 7: METAL GRINDING OPERATIONS					
BAGHOUSE, NO. 2, MAC EQUIPMENT COMPANY, PULSE JET CLEANED, 16256 SQ.FT. A/N: 405053	C101	C103 D115 D116 D117 D118 D119 D120 D121		PM: (9) [RULE 404, 2-7-1986]	D12.3, E448.1, H23.1, K67.1, K67.5
FILTER, NO. 2, HEPA, FLANDERS, MODEL SLB-P-30H-60W A/N: 405053	C103	C101			C10.1, D381.1, E448.1, H23.1, K67.1
ENCLOSURE, BUILDING HOUSING GRINDER BOOTHS A/N: INACTIVE	D137				E57.1
System 2: METAL GRINDING					
GRINDER, BOOTH, NO. 1, WITH TWO EXHAUST PLENUMS A/N: INACTIVE	D108	C100		PM: (9) [RULE 405, 2-7-1986]	A433.1, A433.2, E71.1, E448.5, K67.3, K67.5
GRINDER, BOOTH, NO. 3, WITH TWO EXHAUST PLENUMS A/N: INACTIVE	D110	C100		PM: (9) [RULE 405, 2-7-1986]	A433.1, A433.2, E71.1, E448.5, K67.3, K67.5
GRINDER, BOOTH NO. 4, WITH TWO EXHAUST PLENUMS A/N: INACTIVE	D111	C100		PM: (9) [RULE 405, 2-7-1986]	A433.1, A433.2, E71.1, E448.5, K67.3, K67.5
GRINDER, BOOTH, NO. 5, WITH TWO EXHAUST PLENUMS A/N: INACTIVE	D112	C100		PM: (9) [RULE 405, 2-7-1986]	A433.1, A433.2, E71.1, E448.5, K67.3, K67.5
GRINDER, BOOTH, NO. 6, WITH TWO EXHAUST PLENUMS A/N: INACTIVE	D113	C100		PM: (9) [RULE 405, 2-7-1986]	A433.1, A433.2, E71.1, E448.5, K67.3, K67.5

- * (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 SCHLOSSER FORGE COMPANY

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
Process 7: METAL GRINDING OPERATIONS					
GRINDER, BOOTH, NO. 7, WITH TWO EXHAUST PLENUMS A/N: INACTIVE	D114	C100		PM: (9) [RULE 405, 2-7-1986]	A433.1, A433.2, E71.1, E448.5, K67.3, K67.5
GRINDER, BOOTH, NO. 8, WITH TWO EXHAUST PLENUMS A/N: INACTIVE	D115	C101		PM: (9) [RULE 405, 2-7-1986]	A433.1, A433.2, E71.1, E448.5, K67.3, K67.5
GRINDER, BOOTH, NO. 9, WITH TWO EXHAUST PLENUMS A/N: INACTIVE	D116	C101		PM: (9) [RULE 405, 2-7-1986]	A433.1, A433.2, E71.1, E448.5, K67.3, K67.5
GRINDER, BOOTH, NO. 10, WITH TWO EXHAUST PLENUMS A/N: INACTIVE	D117	C101		PM: (9) [RULE 405, 2-7-1986]	A433.1, A433.2, E71.1, E448.5, K67.3, K67.5
GRINDER, BOOTH, NO. 11, WITH TWO EXHAUST PLENUMS A/N: INACTIVE	D118	C101		PM: (9) [RULE 405, 2-7-1986]	A433.1, A433.2, E71.1, E448.5, K67.3, K67.5
GRINDER, BOOTH, NO. 12, WITH TWO EXHAUST PLENUMS A/N: INACTIVE	D119	C101		PM: (9) [RULE 405, 2-7-1986]	A433.1, A433.2, E71.1, E448.5, K67.3, K67.5
GRINDER, BOOTH, NO. 13, WITH TWO EXHAUST PLENUMS A/N: INACTIVE	D120	C101		PM: (9) [RULE 405, 2-7-1986]	A433.1, A433.2, E71.1, E448.5, K67.3, K67.5
GRINDER, BOOTH, NO. 14, WITH TWO EXHAUST PLENUMS A/N: INACTIVE	D121	C101		PM: (9) [RULE 405, 2-7-1986]	A433.1, A433.2, E71.1, E448.5, K67.3, K67.5
Process 8: I. C. ENGINES					

* (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 SCHLOSSER FORGE COMPANY

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
Process 8: I.C. ENGINES					
System 1:					
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, DIESEL FUEL, JOHN DEERE, MODEL 4045HF275H, TURBOCHARGED AND AFTERCOOLED, 153 HP A/N: 546415	D132		NOX: PROCESS UNIT**	NOX: 469 LBS/1000 GAL DIESEL (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.15 GRAM/BHP-HR (5) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1470, 6-1-2007]	B61.1, C1.2, C1.3, D12.2, E193.3, K67.4

- | | |
|--|---|
| * (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
SCHLOSSER FORGE COMPANY**

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 SCHLOSSER FORGE COMPANY

SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D3	1	1	0
D4	1	1	0
D5	1	1	0
D6	1	1	0
D7	2	1	0
D8	2	1	0
D9	2	1	0
D10	2	1	0
D12	3	1	0
D13	3	1	0
D14	3	1	0
D15	3	1	0
D17	4	1	0
D18	4	1	0
D19	4	1	0
D21	4	1	0
D22	5	1	0
D23	5	1	0
D24	5	1	0
D26	5	1	0
D27	6	1	0
D28	6	1	0
D29	6	1	0
D30	6	1	0
D31	7	1	0
D33	18	2	0
D34	18	2	0
D35	18	2	0
C36	18	2	0
D41	19	4	0
D42	19	4	0
D43	19	4	0
D44	19	4	0
D45	19	4	0
D46	19	4	0



FACILITY PERMIT TO OPERATE SCHLOSSER FORGE COMPANY

SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D47	19	4	0
D48	19	4	0
D49	19	4	0
D50	19	4	0
D51	20	4	0
D52	20	4	0
D57	7	1	0
D58	8	1	0
D63	8	1	0
D64	9	1	0
D67	9	1	0
D68	10	1	0
D71	10	1	0
D73	11	1	0
D74	11	1	0
E93	20	6	1
D94	12	1	0
D96	12	1	0
D98	13	1	0
C100	20	7	1
C101	21	7	1
C102	20	7	1
C103	21	7	1
D108	21	7	2
D110	21	7	2
D111	21	7	2
D112	21	7	2
D113	21	7	2
D114	22	7	2
D115	22	7	2
D116	22	7	2
D117	22	7	2
D118	22	7	2
D119	22	7	2
D120	22	7	2



FACILITY PERMIT TO OPERATE SCHLOSSER FORGE COMPANY

SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D121	22	7	2
D122	13	1	0
D124	14	1	0
D126	14	1	0
D128	15	1	0
D130	15	1	0
D132	23	8	1
D133	16	1	0
D135	16	1	0
D137	21	7	1
D138	18	2	0
D139	18	2	0
D140	18	2	0
D141	18	2	0
C142	19	2	0
E147	20	6	1
D148	17	1	0
D149	17	1	0
D150	17	1	0



FACILITY PERMIT TO OPERATE SCHLOSSER FORGE COMPANY

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 fuel usage to no more than 64 MM cubic feet in any one calendar month.

For the purpose of this condition, fuel usage shall be defined as fuel usage from permitted equipment.

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

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

F2.1 The operator shall limit emissions from this facility as follows:

CONTAMINANT	EMISSIONS LIMIT
PM10	Less than or equal to 4 TONS IN ANY ONE YEAR

The total emissions of particulate matter, with ten micron diameter or less (PM10), from all permitted equipment and associated operations at this facility shall not exceed 667 pounds in any one calendar month.

Within 30 calendar days after the end of each month, the operator shall total and record PM10 emissions for the month for all equipment and associated operations covered by the monthly limit.

[RULE 1303(b)(1)-Modeling, 5-10-1996; RULE 1303(b)(1), 10-20-2000]



FACILITY PERMIT TO OPERATE SCHLOSSER FORGE COMPANY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

F9.1 Except for open abrasive blasting operations, the operator shall not discharge into the atmosphere from any single source of emissions whatsoever any air contaminant for a period or periods aggregating more than three minutes in any one hour which is:

- (a) As dark or darker in shade as that designated No.1 on the Ringelmann Chart, as published by the United States Bureau of Mines; or
- (b) Of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke described in subparagraph (a) of this condition.

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

F14.1 The operator shall not use fuel oil containing sulfur compounds in excess of 500 ppm by weight.

[RULE 431.2, 5-4-1990; RULE 431.2, 9-15-2000]

F14.2 The operator shall not purchase diesel fuel containing sulfur compounds in excess of 15 ppm by weight as supplied by the supplier.

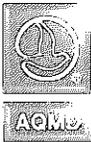
[RULE 431.2, 9-15-2000]

DEVICE CONDITIONS

A. Emission Limits

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

CONTAMINANT	EMISSIONS LIMIT
CO	Less than or equal to 308.4 LBS IN ANY ONE MONTH



**FACILITY PERMIT TO OPERATE
SCHLOSSER FORGE COMPANY**

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

PM10	Less than or equal to 26.5 LBS IN ANY ONE MONTH
ROG	Less than or equal to 10.9 LBS IN ANY ONE MONTH
SOX	Less than or equal to 1.6 LBS IN ANY ONE MONTH

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D57, D71]

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

CONTAMINANT	EMISSIONS LIMIT
CO	Less than or equal to 356 LBS IN ANY ONE MONTH
PM10	Less than or equal to 31 LBS IN ANY ONE MONTH
ROG	Less than or equal to 13 LBS IN ANY ONE MONTH
SOX	Less than or equal to 2 LBS IN ANY ONE MONTH

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D63]

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

CONTAMINANT	EMISSIONS LIMIT
CO	Less than or equal to 96 LBS IN ANY ONE MONTH
PM10	Less than or equal to 21 LBS IN ANY ONE MONTH
ROG	Less than or equal to 19 LBS IN ANY ONE MONTH
SOX	Less than or equal to 2 LBS IN ANY ONE MONTH



**FACILITY PERMIT TO OPERATE
SCHLOSSER FORGE COMPANY**

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D64, D67, D68, D73, D74, D98]

A63.5 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
CO	Less than or equal to 72 LBS IN ANY ONE MONTH
PM10	Less than or equal to 15.43 LBS IN ANY ONE MONTH
ROG	Less than or equal to 14.4 LBS IN ANY ONE MONTH
SOX	Less than or equal to 1.71 LBS IN ANY ONE MONTH

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D58]

A433.1 The operator shall limit the materials in the grinding dusts generated by all grinder booths 1, and 3 through 14 to the following:

Materials	Limits	Units
Nickel	44782	Pounds in any one calendar year
Manganese	26869	Pounds in any one calendar year
Lead	1791	Pounds in any one calendar year
Copper	179131	Pounds in any one calendar year
Vanadium	26870	Pounds in any one calendar year
Selenium	7721	Pounds in any one calendar year



FACILITY PERMIT TO OPERATE SCHLOSSER FORGE COMPANY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

The operator shall calculate the grinding dusts generated as follows:

Grinding dusts generated = Weight of Baghouse Catch/ Control Efficiency Fraction.

Where:

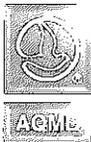
Control Efficiency Fraction = The lower of control efficiency fractions of the two baghouse/HEPA FILTER control equipment combinations, C100/C102 and C101/C103, as given by the test results from the latest approved test report.

[RULE 1401, 2-7-2003]

[Devices subject to this condition : D108, D110, D111, D112, D113, D114, D115, D116, D117, D118, D119, D120, D121]

A433.2 The operator shall limit the combined emissions from all grinder booths 1, and 3 through 14 to the following.:

Materials	Limits	Units
Nickel	214	Pounds in any one calendar year
Manganese	128	Pounds in any one calendar year
Lead	8.5	Pounds in any one calendar year
Copper	859	Pounds in any one calendar year
Vanadium Pentoxide (calculated as vanadium)	129	Pounds in any one calendar year
Selenium	37	Pounds in any one calendar year



FACILITY PERMIT TO OPERATE SCHLOSSER FORGE COMPANY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

The operator shall calculate the emissions as follows:

Emission = (Weight of Baghouse Catch/Control Efficiency Fraction) x (1- Control Efficiency Fraction) x Contaminant Fraction.

Where:

- Control Efficiency Fraction = The lower of control efficiency fractions of the two baghouse/HEPA FILTER control equipment combinations, C100/C102 and C101/C103, as given by the test results from the latest approved test report.

- Contaminant Fraction: The fraction of contaminant in baghouse catch. For vanadium pentoxide (calculated as vanadium), the contaminant fraction is the fraction of vanadium in baghouse catch.

[RULE 1401, 2-7-2003]

[Devices subject to this condition : D108, D110, D111, D112, D113, D114, D115, D116, D117, D118, D119, D120, D121]

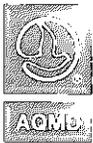
B. Material/Fuel Type Limits

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

Metal contaminated with rubber, plastic, paper, rags, oil, grease

Smoke producing material

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 401, 3-2-1984; RULE 401, 11-9-2001]



FACILITY PERMIT TO OPERATE SCHLOSSER FORGE COMPANY

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 : D4, D5, D6, D7, D8, D9, D10, D12, D13, D14, D15, D17, D18, D19, D21, D22, D23, D24, D26, D27, D28, D29, D30, D31, D57, D58, D63, D64, D67, D68, D71, D73, D74, D94, D96, D98, D122, D124, D126, D128, D130, D133, D135, D148, D149, D150]

B61.1 The operator shall only use diesel containing the following specified compounds:

Compound	Limit	ppm by weight
Sulfur	less than or equal to	15

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1470, 6-1-2007]

[Devices subject to this condition : D132]

C. Throughput or Operating Parameter Limits

C1.1 The operator shall limit the fuel usage to no more than 1855700 cubic feet in any one calendar month.

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

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D122, D124, D126, D128, D130, D133, D135]

C1.2 The operator shall limit the operating time to no more than 200 hour(s) in any one year.



FACILITY PERMIT TO OPERATE SCHLOSSER FORGE COMPANY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

[RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996; RULE 2005, 5-6-2005]

[Devices subject to this condition : D132]

- C1.3 The operator shall limit the maintenance testing to no more than 50 hour(s) in any one year.

[RULE 1470, 6-1-2007]

[Devices subject to this condition : D132]

- C1.4 The operator shall limit the operating time to no more than 299 in any one calendar month.

To comply with this condition, the operator shall install and maintain a non-resettable time meter to indicate the equipment operating time.

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

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D138]

- C1.5 The operator shall limit the operating time to no more than 48 hour(s) in any one calendar month.

To comply with this condition, the operator shall install and maintain a non-resettable time meter to indicate the equipment operating time.

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



FACILITY PERMIT TO OPERATE SCHLOSSER FORGE COMPANY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D33]

C10.1 The operator shall use this equipment in such a manner that the differential pressure being monitored, as indicated below, is maintained between 1.4 and 6.0 inches water column.

To comply with this condition, the operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the filter.

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

[Devices subject to this condition : C102, C103]

D. Monitoring/Testing Requirements

D12.1 The operator shall install and maintain a(n) non-resettable totalizing fuel meter to accurately indicate the fuel usage of the furnace.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 2012, 5-6-2005]

[Devices subject to this condition : D57, D58, D63, D64, D67, D68, D71, D73, D74, D94, D96, D122, D124, D126, D128, D130, D133, D135, D148, D149, D150]

D12.2 The operator shall install and maintain a(n) non-resettable elapsed time meter to accurately indicate the elapsed operating time of the engine.

[RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996; RULE 2005, 5-6-2005]

[Devices subject to this condition : D132]



FACILITY PERMIT TO OPERATE SCHLOSSER FORGE COMPANY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

D12.3 The operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the filter.

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

[Devices subject to this condition : C100, C101, C142]

D28.1 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-year period, with the first five-year period ending on June 30, 2005.

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

[RULE 2012, 5-6-2005]

[Devices subject to this condition : D58, D64, D67, D68, D71, D73, D74, D94, D96, D98]

D28.3 The operator shall conduct source test(s) in accordance with the following specifications:

The test shall be conducted to determine NOx, in ppmv at 3% oxygen, at the outlet.

The test shall be conducted every five-year period, with the first five-year period ending on June 30, 2010.

[RULE 2012, 5-6-2005]



FACILITY PERMIT TO OPERATE SCHLOSSER FORGE COMPANY

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 : D122, D124, D126, D128, D130, D133, D135]

D28.5 The operator shall conduct source test(s) in accordance with the following specifications:

The test shall be conducted to determine NO_x, in ppmv at 3% oxygen, at the outlet.

The test 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 every five-year period, with the first five-year period ending on June 30, 2014.

The District shall be notified of the date and time of the test at least 10 days prior to the test.

The test shall be conducted only after a source test protocol has been submitted to the district.

[RULE 2012, 5-6-2005]

[Devices subject to this condition : D148, D149, D150]

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 204, 10-8-1993; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : C36, C142]



FACILITY PERMIT TO OPERATE SCHLOSSER FORGE COMPANY

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 SCHLOSSER FORGE COMPANY

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; RULE 401, 3-2-1984; RULE 401, 11-9-2001]

[Devices subject to this condition : D3, D73, D74, D94, D96, D98]



FACILITY PERMIT TO OPERATE SCHLOSSER FORGE COMPANY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

D323.2 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 an annual basis, at least, unless the equipment did not operate during the entire annual period. The routine 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 SCHLOSSER FORGE COMPANY

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; RULE 401, 3-2-1984; RULE 401, 11-9-2001**]

[Devices subject to this condition : D33, D138]

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 weekly basis, at least, unless the equipment did not operate during the entire weekly period. The routine weekly 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 1155, 12-4-2009; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 401, 3-2-1984; RULE 401, 11-9-2001**]

[Devices subject to this condition : C36, C102, C103, C142]

E. Equipment Operation/Construction Requirements

E57.1 The operator shall vent this equipment to both baghouses C100 and C101 which are in full use whenever there is an item being outside of the grinder booth Nos. 1 and 3 through 14.



FACILITY PERMIT TO OPERATE SCHLOSSER FORGE COMPANY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

[RULE 1401, 3-4-2005]

[Devices subject to this condition : D137]

- E71.1 The operator shall not use this equipment to process any parts containing compounds identified in Rule 1401, as amended 2/7/03, with the following exceptions: Nickel; Copper; Zinc; Manganese; Lead; Vanadium; Selenium.

[RULE 1401, 2-7-2003]

[Devices subject to this condition : D108, D110, D111, D112, D113, D114, D115, D116, D117, D118, D119, D120, D121]

- E147.1 The operator shall not conduct melting in this equipment.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D57, D64, D67, D68, D71, D73, D74, D94, D96, D98]

- E193.3 The operator shall restrict the operation of this equipment as follows:

Operation beyond the allotted time for engine maintenance and testing shall be allowed only in the event of a loss of grid power, or up to 30 minutes prior to a rotating outage, provided that the utility distribution company has ordered rotating outages, or has indicated that it expects to issue such an order at a certain time, in the control area where the engine is located.

Engine operation shall be terminated immediately after the utility distribution company advises that a rotating outage is no longer imminent or in effect.



FACILITY PERMIT TO OPERATE SCHLOSSER FORGE COMPANY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

[RULE 1470, 6-1-2007]

[Devices subject to this condition : D132]

E448.1 The operator shall comply with the following requirements:

Dust collected in the baghouse shall be discharged only into enclosed containers or returned to process and shall not be handled in a manner that may result in the re-release of collected materials to the atmosphere.

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

[Devices subject to this condition : C36, C100, C101, C102, C103, C142]

E448.2 The operator shall comply with the following requirements:

The PM10 emissions from this equipment shall be calculated using the following formula: (Total Fuel Throughput in MMCF) x (7.5 lbs/MMCF). Total fuel use shall be based on fuel meter or gas utility statements for the facility minus unpermitted equipment.

Within 30 calendar days after the end of each month, the operator shall total and record PM10 emissions for the month for all equipment and operations covered by the monthly pm10 limit.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]



FACILITY PERMIT TO OPERATE SCHLOSSER FORGE COMPANY

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, D5, D6, D7, D8, D9, D10, D12, D13, D14, D15, D17, D18, D19, D21, D22, D23, D24, D26, D27, D28, D29, D30, D31, D57, D58, D63, D64, D67, D68, D71, D73, D74, D94, D96, D98, D122, D124, D126, D128, D130, D133, D135, D148, D149, D150]

E448.3 The operator shall comply with the following requirements:

The PM10 emissions from this equipment shall be calculated using the following emission rate: 1.25 lbs/hr.

Within 30 calendar days after the end of each month, the operator shall total and record PM10 emissions for the month for all equipment and operations covered by the monthly PM10 limit.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D33]

E448.4 The operator shall comply with the following requirements:

The PM10 emissions from this equipment shall be calculated using the following emission rate: 0.25 lbs/ hour.

Within 30 calendar days after the end of each month, the operator shall total and record PM10 emissions for the month for all equipment and operations covered by the monthly PM10 limit.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D138]



FACILITY PERMIT TO OPERATE SCHLOSSER FORGE COMPANY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

E448.5 The operator shall comply with the following requirements:

The total PM10 emissions from the grinder booths shall be calculated using the following formula: 0.17 lbs/hr x hrs/day. Hours shall be defined as total combined operating time for baghouse No. 1 (C100) and baghouse No. 2 (C101).

Within 30 calendar days after the end of each month, the operator shall total and record PM10 emissions for the month for all equipment and operations covered by the monthly PM10 limit.

This equipment shall not be operated unless it is vented to air pollution control equipment in full use and which has been issued an operating permit by the executive officer.

To comply with this condition, the operator shall install and maintain a non-resettable timer meter to indicate the equipment operating time.

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

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D108, D110, D111, D112, D113, D114, D115, D116, D117, D118, D119, D120, D121]

H. Applicable Rules

H23.1 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
PM	District Rule	1155



FACILITY PERMIT TO OPERATE SCHLOSSER FORGE COMPANY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

[RULE 1155, 12-4-2009]

[Devices subject to this condition : C100, C101, C102, C103]

K. Record Keeping/Reporting

K40.1 The operator shall provide to the District a source test report in accordance with the following specifications:

NO_x source test results shall be submitted to the District no later than 45 days after the test was conducted.

NO_x emissions shall be expressed in terms of ppmv on a dry basis corrected to 3% oxygen.

[RULE 2012, 5-6-2005]

[Devices subject to this condition : D58, D64, D67, D68, D71, D73, D74, D94, D96, D98]

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

the name of the person performing the inspection and/or maintenance of the filter media

the date, time and results of the inspection

the date, time and description of any maintenance or repairs resulting from the inspection

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



FACILITY PERMIT TO OPERATE SCHLOSSER FORGE COMPANY

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 : C36, C100, C101, C102, C103, C142]

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.

For architectural applications where thinners, reducers, or other VOC containing materials are added, maintain daily records for each coating consisting of (a) coating type, (b) VOC content as applied in grams per liter (g/l) of materials used for low-solids coatings, (c) VOC content as applied 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 : E93]

K67.3 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Total weight of grinding dust collected in each calendar year

Analysis of grinding dust from each grinding dust shipment out of the facility for nickel, manganese, lead, copper, vanadium and selenium

[RULE 1401, 2-7-2003]

[Devices subject to this condition : D108, D110, D111, D112, D113, D114, D115, D116, D117, D118, D119, D120, D121]



FACILITY PERMIT TO OPERATE SCHLOSSER FORGE COMPANY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

K67.4 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

An engine operating log listing the date of operation, the elapsed time, in hours, and the reason for operation shall be maintained. The records shall be kept for at least the last five years and made available to district personnel upon request.

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

[Devices subject to this condition : D132]

K67.5 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

A baghouse operating log listing the date of operation, the elapsed time, in hours, shall be maintained. The records shall be kept for at least the last five years and made available to district personnel upon request.

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

[Devices subject to this condition : C100, C101, D108, D110, D111, D112, D113, D114, D115, D116, D117, D118, D119, D120, D121]



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